

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES MEETING

Tuesday, June 23, 2020
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, June 23, 2020

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:

Regular Meeting - Tuesday, June 9, 2020

D.2 Acceptance of Communications, Resolutions, Reports

Building Department Monthly Report - May 2020

Fire Department Monthly Report - May 2020

Police Department Monthly Report - May 2020

Planning Department Monthly Report - May 2020

FOIA Monthly Report - Clerk's Office - May 2020

FOIA Monthly Report - Police Department - May 2020

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$374,929.33	\$61,672.04	\$436,601.37
Solid Waste Fund	226	2,771.98	117,880.26	120,652.24
Improvement Revolving (Capital)	246	0.00	0.00	0.00

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BOARD OF TRUSTEES MEETING

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Drug Forfeiture Fund	265	0.00	0.00	0.00
Drug Forfeiture State	266	0.00	0.00	0.00
Drug Forfeiture IRS	267	0.00	0.00	0.00
Golf Course Fund	510	0.00	0.00	0.00
Senior Transportation	588	3,299.23	0.00	3,299.23
Water/Sewer Fund	592	49,078.75	306,539.89	355,618.64
Trust and Agency	701	0.00	0.00	0.00
Police Bond Fund	702	0.00	0.00	0.00
Tax Pool	703	0.00	0.00	0.00
Special Assessment Capital	805	38.01	52,787.50	52,825.51
TOTALS:		\$430,117.30	\$538,879.69	\$968,996.99

E. PUBLIC COMMENTS (Limited to 3 Minutes)

F. NEW BUSINESS

1. Presentation by Historic District Chair, *HDC Chair Wendy Harless*
2. Reappointments to Historic District Commission, **Resolution #2020-06-23-56**, *Supervisor Kurt Heise*
3. Appointments and Reappointments to Environmental Leadership Commission, **Resolution #2020-06-23-57**, *Supervisor Kurt Heise*

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

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4. Fire Safety Millage Renewal Ballot Language, **Resolution #2020-06-23-58**,
Treasurer Mark Clinton
5. AWIA Risk and Resilience Assessment Contract with HRC Engineers,
Resolution #2020-06-23-59, *DPS Director Patrick Fellrath*
6. Annual Wayne County Road Permit Application, **Resolution #2020-06-23-60**, *DPS Director Patrick Fellrath*
7. Andover Forest Storm Drain Agreement, **Resolution #2020-06-23-61**,
Township Engineer Jeremy Schrot
8. Request for the Creation of a Neighborhood Passive Park (Golfview Park),
Resolution #2020-06-23-62, *Trustee Jack Dempsey*

G. PUBLIC COMMENTS (Limited to 3 Minutes)

H. SUPERVISOR AND TRUSTEE COMMENTS

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: 1-800649-3777 (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

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES



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

PRESENT: Kurt Heise, Supervisor
Mark Clinton, Treasurer
Jerry Vorva, Clerk
Chuck Curmi, Trustee
Jack Dempsey, Trustee
Bob Doroshewitz, Trustee
Gary Heitman, Trustee

ALSO PRESENT: Dan Phillips, Fire Chief
Tom Tiderington, Police Chief
Ginger Moriarity, Finance Director
Laura Haw, AICP, NCI, McKenna, Planning Consultant
Jeremy Schrot, PE, Spalding DeDecker, Township Engineer

B. PLEDGE OF ALLEGIANCE – Led by Fire Chief Dan Phillips.

B.1 Protocol and Procedures for June 9 Meeting- *Supervisor Kurt Heise*

Supervisor Heise explained that the meeting was live and COVID compliant, and he explained the call-in features for those on the phone at home. He also explained that the audit presentation would be done via video Zoom by Plante Moran.

C. APPROVAL OF AGENDA

Tuesday, June 9, 2020

Supervisor Heise asked that Item E.3 Andover Forest Storm Drain Agreement, be removed from the agenda.

Moved by Trustee Heitman and seconded by Clerk Vorva to approve the agenda for the Board of Trustees regular meeting of June 9, 2020, as amended. Ayes all.

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:
Special Meeting - Tuesday, June 2, 2020

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES REGULAR MEETING

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES



D.2 Acceptance of Communications, Resolutions, Reports

N/A

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$474,505.92	\$825,982.51	\$1,300,488.43
Solid Waste Fund	226	2,700.40	441.89	3,142.29
Improvement Revolving (Capital)	246	0.00	0.00	0.00
Drug Forfeiture Fund	265	0.00	0.00	0.00
Drug Forfeiture State	266	0.00	0.00	0.00
Drug Forfeiture IRS	267	0.00	0.00	0.00
Golf Course Fund	510	0.00	0.00	0.00
Senior Transportation	588	3,215.98	0.00	3,215.98
Water/Sewer Fund	592	45,525.79	179,640.88	225,166.67
Trust and Agency	701	0.00	0.00	0.00
Police Bond Fund	702	5000.00	0.00	5000.00
Tax Pool	703	0.00	0.00	0.00
Special Assessment Capital	805	0.00	0.00	0.00

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES REGULAR MEETING

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES



TOTALS:		\$530,948.09	\$1,006,065.28	\$1,537,013.37
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Trustee Dempsey mentioned a correction to the minutes of June 2, 2020, Page 4, regarding the presence of Trustee Curmi.

There were also questions regarding the Fire Department rating system, which Chief Phillips answered in detail.

Moved by Clerk Vorva and seconded by Trustee Doroshewitz to approve the consent agenda, as amended, for the Board of Trustees regular meeting of June 9, 2020. Ayes all.

E. NEW BUSINESS

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

1. FY 2019 Audit Presentation and Approval, **Resolution #2020-06-09-50**, Finance Director Ginger Moriarty and Plante-Moran Financial Auditors

Martin Olejnik, CPA, and Kari Shea, CPA, OF Plante Moran gave a virtual presentation of the 2019 audit to the Board, along with their recommendations in light of any accounting standard changes.

Ginger Moriarity, Finance Director, and her team were complimented on their help with the audit.

Moved by Trustee Heitman and seconded by Clerk Vorva that the Plymouth Township Board of Trustees hereby adopt **Resolution #2020-06-09-50** accepting and approving the audit of Fiscal Year 2019's financial statement, reports, letters of required communication and follow-up recommendations to be filed with the State of Michigan by Plante Moran and to acknowledge the receipt and file of the previously stated. Ayes all on a roll call vote.

2. Contracts for Police Lieutenant and Dispatch Supervisor, **Resolution #2020-06-09-51**, Supervisor Kurt Heise and Police Chief Thomas Tiderington

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

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES



Board members discussed at length these agreements which establish the benefit terms and conditions of employment for the Lieutenants and tie their annual pay raises to the COAM union contract retroactive to January 1, 2020. The Dispatch Supervisor's agreement is similar and provides a 4.4% pay raise retroactive to January 1, 2020.

Moved by Clerk Vorva and seconded by Trustee Heitman to approve **Resolution #2020-06-09-51** approving the Employment Agreements for Police Lieutenants Jon Brothers, Daniel Kudra, and Dispatch Supervisor Cynthia Fell as submitted, and authorize the Supervisor and Clerk to sign same. Ayes all on a roll call vote.

3. Andover Forest Storm Drain Agreement, **Resolution #2020-06-09-52**,
Township Engineer Jeremy Schrot

This item was removed from the agenda.

4. Andover Forest Water Main Easement, **Resolution #2020-06-09-53**,
Township Engineer Jeremy Schrot

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2020-06-09-53** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the water main easement for Andover Forest Condominium Subdivision 1137 and to authorize the recording of same. Ayes all on a roll call vote.

5. Andover Forest Sanitary Sewer Easement, **Resolution #2020-06-09-54**,
Township Engineer Jeremy Schrot

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2020-06-09-54** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Andover Forest Condominium Subdivision 1137 and to authorize recording of same. Ayes all on a roll call vote.

6. Planning Commission Re-Appointment Recommendations - Kendra Barberena and Keith Postell, **Resolution #2020-06-09-55**, *Supervisor Kurt Heise*

Moved by Trustee Heitman and seconded by Clerk Vorva to reappoint Ms. Kendra Barberena and Mr. Keith Postell to the Planning Commission for a term expiring June 30, 2023. Ayes all on a roll call vote.

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

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES



7. Update on Proposed Golfview Park and Future County Park Funding,
Supervisor Kurt Heise & Planning Consultant Laura Haw

Supervisor Heise spoke about the contribution of 150 trees from Webasto, many of which could be planted in the proposed park. Laura Haw presented hard copies of her presentation regarding possible plans for the 9-acre park, how it ties into the Master Plan and future land use, and how it ties in with the Joint Master Plan and furthers regional objectives. The preliminary design concept was presented for a “passive” park, which means landscaping, walking and biking trails, outdoor seating and gathering spaces, etc. Community thoughts were presented, as well as possible next steps.

Trustee Dempsey also presented his thoughts regarding the exciting and concerning aspects of the concept. He spoke about the under-utilization of the property and access to the park. He also spoke about the concerns of not moving ahead including possible loss of the tree contribution. He felt there could be the use of part of some funds, such as sidewalk gap funds, for improving access. He also suggested the use of volunteers for some of the removal work.

Treasurer Clinton mentioned he felt the suggested amenities are already available in nearby McClumpha Park, with maintenance needed for many areas there.

It was suggested that something be drafted for further discussion at the next meeting.

F. SUPERVISOR AND TRUSTEE COMMENTS

Supervisor Heise noted the Board will be meeting again on June 23, probably in the same kind of format, and again on July 14, hopefully with more attendance allowed.

Clerk Vorva asked residents to send him applications being sent to their residence for people who do not live there so they can be flagged in the system.

G. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes)

Melissa, on her computer, asked questions regarding what the Township has done for racial justice. Police Chief Tiderington noted there are a number of programs to monitor

the activities of the officers and Supervisor Heise said the Township is always striving for improvement for all their agencies.

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

Tuesday, June 9, 2020

7:00 PM

PROPOSED MINUTES

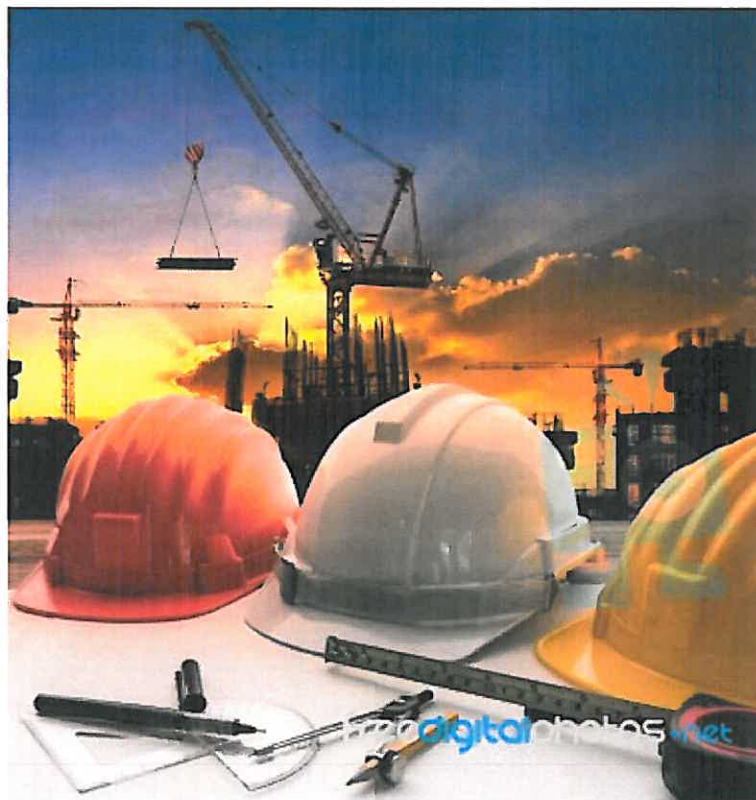


H. ADJOURNMENT

Moved by Trustee Heitman and seconded by Trustee Curmi to adjourn the meeting at 9:35 p.m. Ayes all.

Jerry Vorva, Township Clerk

CHARTER TOWNSHIP OF PLYMOUTH
DEPARTMENT OF BUILDING & CODE ENFORCEMENT



MONTHLY REPORT

May
2020
(Operating under COVID-19 orders)

New Commerical Building for 2020

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

New Commercial Additions/Alterations for 2020

Company Name	Property Address	Type of Work	Construction Value	Status	Month
St John's monastery	44045 5 Mile RD	Wall anchors	22,250	Issued	January
Pella Windows	14492 Sheldon #310	Tenant Finish	62,000	Issued	January
Adient COE	47700 Halyard	Phase 3J remodel	400,000	Issued	January
Adient COE	47700 Halyard	Phase 3G remodel	60,000	Issued	January
Adient COE	47700 Halyard	Phase 3E remodel	1,200,000	Issued	January
Elmos	47023 5 Mile RD	Tenant Finish	135,000	Issued	January
Rivian	411000 Plymouth #310 & 370	Tenant Finish	80,000	Issued	January
General Plymouth	11333 General Dr #125	Tenant Finish	5,000	Issued	February
General Plymouth	11333 General Dr #120	Tenant Finish	5,000	Issued	February
General Plymouth	11333 General Dr #110	Tenant Finish	5,000	Issued	February
General Plymouth	11333 General Dr #100	Tenant Finish	5,000	Issued	February
Rivian	13250 Haggerty	Remodel Phase IV	3,000,000	Issued	March
Atlas Tube	13113 Eckles #7-A	2 additions	1,900,000	Issued	April *
Temporary Concrete Batch Plant	939 Mill	SAD concrete	50,000	Issued	May*
Kroger	44525 Ann Arbor RD	Interior remodel	150,000	Issued	May*
Fire Station 2	41212 Wilcox	Concrete Floor	60,000	Issued	May*
DVS Technology	44099 Plymouth Oaks	Tenant finish	50,000	Issued	May*
Finlan & Son Insurance	47784 Hayard	Tenant finish	100,000	Issued	May*
Total Construction Value			7,289,250		
Grand Total Construction Value			<u>7,289,250</u>		

* Operating on COVID-19 orders

Building Department 2020

Classification	Jan	Feb	Mar	April *	May*	June	July	Aug	Sept	Oct	Nov	Dec	2020 Totals
Total Building Permits	88	52	84	23	87								334
Trade Permits													
Electrical	38	28	18	2	13								99
Mechanical	49	60	30	10	41								190
Plumbing	16	13	11	2	24								66
Sewer & Water	7	3	1	1	9								21
Total Trade Permits	198	156	144	38	174	0	0	0	0	0	0	0	710
Miscellaneous													
Special Inspections	1	0	0	0	0								1
Temp Certificate of Occupancy	4	4	1	0	0								9
Re-Occupancy	8	0	0	0	0								8
Plan Review	16	12	10	1	11								50
ZBA	1	0	4	0	1								6
Re-inspection fees	6	6	2	0	0								14
Vacant Land Resigtration	0	0	0	0	0								0
Total Miscellaneous	36	22	17	1	12	0	0	0	0	0	0	0	88
Application Fee's													
Building	66	47	76	22	75								286
Electrical	43	26	21	2	12								104
Mechanical	48	63	31	10	46								198
Plumbing	16	12	12	2	22								64
License & Registration													
Builders	7	7	6	4	10								34
Electrical	14	7	5	0	1								27
Mechanical	7	9	2	1	1								20
Plumbing	5	2	4	2	4								17
Total Misc/License/Application	242	195	174	44	183	0	0	0	0	0	0	0	838
Grand Total	440	351	318	82	357	0	0	0	0	0	0	0	1548
Staffing Levels													
Chief Building Official	1	1	1	1	1	1	1	1	1	1	1	1	
Full Time Building Inspector	1	1	1	1	1	1	1	1	1	1	1	1	
Full Time Building Coordinator	1	1	1	1	1	1	1	1	1	1	1	1	
Full Time Building Administrator	1	1	1	1	1	1	1	1	1	1	1	1	
Part-time Time Ordinance Officer	1	1	1	1	1	1	1	1	1	1	1	1	

* = Operating under COVID-19 orders

Residential Housing 2020

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	4	4	1,422,199	10,166
February	1	1	384,568	2,805
March	0			
April	0			
May	1	1	824,184	6,298
June				
July				
August				
September				
October				
November				
December				
Totals	6	6	\$2,630,951	19,269

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	6	6	\$ 2,630,951	19,269



Revenue Breakdown Report

06/01/2020

Filter: All Records, Transaction.DateToPostOn in <Previous month> [05/01/20 - 05/31/20] AND
 Transaction.TransactionNumber Not = 67,079 AND
 Transaction.TransactionNumber Not = 67,078

Unit Totals

Unit Name	Records	Revenue
	174	130,957.62
TOTAL	174	130,957.62

Record Type Totals

Unit:	Records	Revenue
Permit	174	130,957.62
UNIT TOTAL:	174	130,957.62

Record Type Breakdowns

Unit:		
Record Type: Permit	Records	Revenue
Building	87	54,495.00
Electrical	13	1,253.00
Mechanical	41	8,348.00
Plumbing	24	6,192.00
Sewer & Water	9	60,669.62
TOTAL:	174	130,957.62

70,288



Plymouth Township Fire Department

Monthly Report

May 2020

Response Information:

The Plymouth Township Fire Department responded to **214** emergencies this month.

There was an average of **6.9** runs per day this month.

PTFD's average response time was **5 minutes, 34 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.

	Mutual Aid Received	Mutual Aid Given
Canton	1	2
Northville City	1	
Northville Township		5
HVA	1	

Fire Loss:

There were **2** fires this month that accounted for **\$175,000.00** worth of damage to possessions and property.

We prevented the destruction of **\$805,102.00** in property.

EMS Information:

HVA transported **80** patients to the hospital.

Plymouth Township Fire transported **16** patients to the hospital.

Plymouth transports billed out **\$11,283.20** this month, received **\$16,682.61** and have **\$7,627.32** in outstanding bills over 180 days.

Fire Prevention:

Plymouth Township Fire Department provided **54** comprehensive fire inspections to businesses within Plymouth Township.

This month the department conducted **30** drive byes for children's birthdays in conjunction with the Police Department.

In January run a 12 month/yearend report of previous year.

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 PTFD

Billing Summary

Inspection Report

Total count for Public Education – Review Fire Modules Calendar

Yearend - include total training hours



Incident Type Count

For Dates 5/1/20 - 5/31/20

Incident Type and Description	Count	% Type / % Total
111 - Building fire	2	40.00 %
130 - Mobile property (vehicle) fire, other	1	20.00 %
140 - Natural vegetation fire, other	1	20.00 %
160 - Special outside fire, other	1	20.00 %
Total - Fires	5	2.34 %
321 - EMS call, excluding vehicle accident with injury	150	93.75 %
321C - EMS call, possible COVID-19	4	2.50 %
322 - Vehicle accident with injuries	6	3.75 %
Total - Rescue & Emergency Medical Service Incidents	160	74.77 %
412 - Gas leak (natural gas or LPG)	4	50.00 %
424 - Carbon monoxide incident	1	12.50 %
440 - Electrical wiring/equipment problem, other	1	12.50 %
442 - Overheated motor	1	12.50 %
444 - Power line down	1	12.50 %
Total - Hazardous Conditions (No fire)	8	3.74 %
500 - Service Call, other	2	14.29 %
542 - Animal rescue	1	7.14 %
554 - Assist invalid	11	78.57 %
Total - Service Call	14	6.54 %
611 - Dispatched & cancelled en route	12	66.67 %
6111 - Hospice Death	4	22.22 %
631 - Authorized controlled burning	1	5.56 %
650 - Steam, other gas mistaken for smoke, other	1	5.56 %
Total - Good Intent Call	18	8.41 %
700 - False alarm or false call, other	4	50.00 %
733 - Smoke detector activation due to malfunction	1	12.50 %
740 - Unintentional transmission of alarm, other	2	25.00 %
745 - Alarm system sounded, no fire - unintentional	1	12.50 %
Total - False Alarm & False Call	8	3.74 %
900 - Special type of incident, other	1	100.00 %
Total - Special Incident Type	1	0.47 %
	214	

Municipal Response Times Report

For Dates Beginning 5/1/20 Ending 5/31/20

Incident Types selected for analysis: All

For All Priority Types



Time in Minutes	Alarm to Dispatch	Percent Total	Cumulative Responses	Percent	Dispatch to Enroute	Percent Total	Cumulative Responses	Percent	Enroute to Arrival	Percent Total	Cumulative Responses	Percent	Alarm to Arrival	Percent Total	Cumulative Responses	Percent	Dispatch to Arrival	Percent Total	Cumulative Responses	Percent
0 - 1	74	37.00	74	37.00	58	29.90	58	29.90	7	3.72	7	3.72	1	0.52	1	0.52	2	1.05	2	1.05
1 - 2	91	45.50	165	82.50	95	48.97	153	78.87	12	6.38	19	10.11	1	0.52	2	1.05	2	1.05	4	2.09
2 - 3	29	14.50	194	97.00	26	13.40	179	92.27	40	21.28	59	31.38	3	1.57	5	2.62	8	4.19	12	6.28
3 - 4	6	3.00	200	100.00	9	4.64	188	96.91	41	21.81	100	53.19	11	5.76	16	8.38	29	15.18	41	21.47
4 - 5	0	0.00	200	100.00	3	1.55	191	98.45	44	23.40	144	76.60	25	13.09	41	21.47	45	23.56	86	45.03
5 - 6	0	0.00	200	100.00	0	0.00	191	98.45	23	12.23	167	88.83	28	14.66	69	36.13	33	17.28	119	62.30
6 - 7	0	0.00	200	100.00	0	0.00	191	98.45	14	7.45	181	96.28	38	19.90	107	56.02	38	19.90	157	82.20
7 - 8	0	0.00	200	100.00	2	1.03	193	99.48	1	0.53	182	96.81	35	18.32	142	74.35	18	9.42	175	91.62
8 - 9	0	0.00	200	100.00	1	0.52	194	100.00	2	1.06	184	97.87	22	11.52	164	85.86	4	2.09	179	93.72
9 - 10	0	0.00	200	100.00	0	0.00	194	100.00	2	1.06	186	98.94	15	7.85	179	93.72	5	2.62	184	96.34
10 +	0	0.00	200	100.00	0	0.00	194	100.00	2	1.06	188	100.00	12	6.28	191	100.00	7	3.66	191	100.00

Incident
Total:

200

Average Times per Incident

Average PSAP Processing Time: 1 minute(s) 11 second(s)
(Alarm to Dispatch) Percent less than or equal to 60 Seconds: 37.00
Percent less than or equal to 90 Seconds: 62.50

Average Fire Department Turn Out Time: 1 minute(s) 34 second(s)
(Dispatch to Enroute)

Average Fire Department Turn Out and Travel Time: 5 minute(s) 34 second(s)
(Dispatch to Arrive)

Average Municipal Response Time: 6 minute(s) 48 second(s)
(Alarm to Arrive)

Percentile Response Times in Accordance with NFPA Standards

PSAP Processing Time less than 60 seconds: 37.00%
(Alarm to Dispatch)

Fire Department Turn Out Time less than 60 seconds: 29.90%
(Dispatch to Enroute)

Fire Department Travel Time less than 4 minutes: 53.19%
(Enroute to Arrive)

Listing of Mutual Aid Responses by Mutual Aid Department



Time Period: 5/1/20 - 5/31/20

Department: Canton Twp FD

Mutual aid received

200001005	5/11/20 3:45:48AM	1	08204	11215 SANDALWOOD DR
-----------	-------------------	---	-------	---------------------

<i>Subtotal Mutual aid received</i>	1
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Mutual aid given

200001080	5/23/20 1:05:53PM	3	08204	43825 MICHIGAN
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<i>Subtotal Mutual aid given</i>	1
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Automatic aid given

200001073	5/21/20 3:30:22PM	4	08204	I275
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<i>Subtotal Automatic aid given</i>	1
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<i>Subtotal Canton Twp FD</i>	3
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Department: City of Northville FD

Mutual aid received

200001005	5/11/20 3:45:48AM	1	08232	11215 SANDALWOOD DR
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<i>Subtotal Mutual aid received</i>	1
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<i>Subtotal City of Northville FD</i>	1
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Department: Huron Valley Ambulance

Automatic aid received

200001006	5/11/20 4:05:10AM	2	HVA	49417 PLYMOUTH WAY
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<i>Subtotal Automatic aid received</i>	1
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<i>Subtotal Huron Valley Ambulance</i>	1
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Department: Northville FD

Mutual aid given

200000969	5/6/20 5:44:52PM	3	08232	19476 NORTHRIDGE DR
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<i>Subtotal Mutual aid given</i>	1
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<i>Subtotal Northville FD</i>	1
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Department: Northville Twp FD

Mutual aid given

200000937	5/3/20 10:35:01AM	3	08255	NORTHVILLE RD
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200000981	5/7/20 5:37:00PM	3	08255	44694 N BROADMOOR CIR
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200001082	5/23/20	7:05:48PM	3	08255	40669 N NORTHVILLE TRAIL
200001113	5/28/20	10:07:36AM	3	08255	15473 PARKS LN

<i>Subtotal Mutual aid given</i>	4
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<i>Subtotal Northville Twp FD</i>	4
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Total	9
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Incident Summary by Incident Type

For Dates: 5/1/20 - 5/31/20



Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Shift: A				
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				
Rescue & Emergency Medical Service Incidents	26	00:06:51	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	3	00:06:21	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:06:44	\$ 0.00	\$ 0.00
Total for Station: ST1	31	00:06:35	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	8	00:06:33	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:10:12	\$ 0.00	\$ 0.00
Service Calls	1	00:06:01	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	4	00:05:02	\$ 0.00	\$ 0.00
Total for Station: ST2	16	00:05:33	\$ 0.00	\$ 0.00
Station: ST3				
Rescue & Emergency Medical Service Incidents	19	00:07:29	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:06:12	\$ 0.00	\$ 0.00
Special Incident Types	1	00:09:44	\$ 0.00	\$ 0.00
Total for Station: ST3	23	00:07:09	\$ 0.00	\$ 0.00
Total for Shift: A	71.00	00:06:26	\$ 0.00	\$ 0.00
Shift: B				
Station: ST1				
Fires	1	00:06:47	\$ 0.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	21	00:06:51	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:06:10	\$ 0.00	\$ 0.00
Service Calls	3	00:05:37	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:05:55	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:04:01	\$ 0.00	\$ 0.00
Total for Station: ST1	29	00:06:33	\$ 0.00	\$ 0.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	14	00:07:08	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
Total for Station: ST2	15	00:06:39	\$ 0.00	\$ 0.00
Station: ST3				
Rescue & Emergency Medical Service Incidents	16	00:07:33	\$ 0.00	\$ 0.00
Service Calls	1	00:08:57	\$ 0.00	\$ 0.00

Incident Summary by Incident Type

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Good Intent Calls	5	00:00:59	\$ 0.00	\$ 0.00
Total for Station: ST3	22	00:06:08	\$ 0.00	\$ 0.00
<hr/>				
Total for Shift: B	66.00	00:06:26	\$ 0.00	\$ 0.00
<hr/>				
Shift: C				
Station: ST1				
Fires	2	00:07:49	\$ 170,000.00	\$ 458,100.00
Rescue & Emergency Medical Service Incidents	27	00:06:02	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:07:01	\$ 0.00	\$ 0.00
Service Calls	2	00:06:29	\$ 0.00	\$ 0.00
Total for Station: ST1	32	00:06:12	\$ 170,000.00	\$ 458,100.00
<hr/>				
Station: ST2				
Rescue & Emergency Medical Service Incidents	15	00:06:47	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
Total for Station: ST2	16	00:06:21	\$ 0.00	\$ 0.00
<hr/>				
Station: ST3				
Fires	2	00:06:52	\$ 5,000.00	\$ 0.00
Rescue & Emergency Medical Service Incidents	14	00:07:00	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:04:46	\$ 0.00	\$ 0.00
Service Calls	7	00:07:06	\$ 0.00	\$ 0.00
Good Intent Calls	5	00:00:00	\$ 0.00	\$ 0.00
Total for Station: ST3	29	00:05:44	\$ 5,000.00	\$ 0.00
<hr/>				
Total for Shift: C	77.00	00:06:03	\$ 175,000.00	\$ 458,100.00
<hr/>				
Total	214.00	00:06:18	\$ 175,000.00	\$ 458,100.00

Agency Activity Summary

Plymouth Township Fire Dept

Agency: Plymouth Township Fire Dept | Service Date: From 05/01/2020 Through
05/31/2020 | Run Disposition: All Transports, Treated and Transferred Care

Total Number of ePCRs: 96

Total Number of Incidents: 95

By Branch

01 Station 1 = 33

02 Station 2 = 25

03 Station 3 = 38

Run Disposition

	#	%		#	%
Treated/Transported	16	16.7%	Dead Prior To Arrival	N/A	N/A
Treated / Transferred Care	80	83.3%	Dead After Arrival	N/A	N/A
Treated/No Transport (AMA)	N/A	N/A	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	N/A	N/A
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	96	100.0%	Non-Emergency Runs	N/A	N/A
Stand By	N/A	N/A	Stand By	N/A	N/A
Mutual Aid	1	1.0%	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

Unit	Total Runs	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
RES1	32	10	22	0	0	0	0	0	0	0	0	0	0	0
RES2	27	2	25	0	0	0	0	0	0	0	0	0	0	0
RES3	37	4	33	0	0	0	0	0	0	0	0	0	0	0
<i>Total</i>	96	16	80	0	0	0	0	0	0	0	0	0	0	0

Runs by Service Level

Dispatched Service Level	#	%	Recommended Service Level	#	%
BLS	7	7.3%	BLS	79	82.3%
ALS	89	92.7%	ALS1	17	17.7%
SCT	N/A	N/A	ALS2	N/A	N/A
			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	%
None	79	82.3%	17	17.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	96	100.0%

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

Description	#	%
Abdominal Pain	3	3.1%
Allergic Reaction	1	1.0%
Alt. Level Conscious	4	4.2%
Asthma Symptoms	1	1.0%
Back Pain (No Trauma)	4	4.2%
Behavioral Disorder	3	3.1%
CVA/Stroke	3	3.1%
Chest Pain	2	2.1%
Dehydration Symp.	2	2.1%
Diabetic Symptoms	1	1.0%
Dizziness	2	2.1%
Dyspnea-SOB	7	7.3%
GI -Bleed	1	1.0%
Monitoring Required	4	4.2%
No Medical Problem	3	3.1%
Nose Bleed	1	1.0%
OB/Gyn	1	1.0%
Post-Op Complication	1	1.0%
Psychiatric Emerg.	5	5.2%
Seizure	3	3.1%
Syncope/Fainting	2	2.1%
Trauma Injury	17	17.7%
Unknown Medical	5	5.2%
Urination Problem	1	1.0%
Vomiting	2	2.1%
Weakness	14	14.6%
Left Blank	3	3.1%
Total	96	100.0%

Runs by Dispatch (EMD) Code

<u>Description</u>	<u>#</u>	<u>%</u>
1 Abdominal Pain	3	3.1%
10 Chest Pain [non-traumatic]	4	4.2%
12 Convulsions/Seizures	3	3.1%
13 Diabetic	1	1.0%
16 Eye Problems/Injuries	1	1.0%
17 Falls	18	18.8%
19 Heart Problems A.I.D.C	1	1.0%
2 Allergies/Envenomations	1	1.0%
23 Overdose/poisoning	3	3.1%
24 Pregnancy/Childbirth/Miscarriage	1	1.0%
25 Psychiatric/Abnormal behavior/Suicide Attempt	5	5.2%
26 Sick Person	21	21.9%
28 Stroke [CVA]	2	2.1%
29 Traffic/Accidents	4	4.2%
30 Traumatic Injuries	4	4.2%
31 Unconscious/Fainting	3	3.1%
32 Unknown Problem	4	4.2%
6 Breathing Problems	8	8.3%
88 Not applicable	3	3.1%
99 Unknown	6	6.3%
<i>Left Blank</i>	0	0.0%
<i>Total</i>	96	100.0%

Transport From (Category)

	<u>#</u>	<u>%</u>
--Left Blank--	96	100.0%
<i>Total</i>	96	100.0%

Transport From (Facility)

	<u>#</u>	<u>%</u>
--Left Blank--	96	100.0%
<i>Total</i>	96	100.0%

Transport To (Destination Facility)

	<u>#</u>	<u>%</u>
St Mary Livonia ER	79	82.3%
Providence Park ER-Nov	6	6.3%
St Joe Ann Arbor ER	4	4.2%
Henry Ford West Bloomfield	4	4.2%
Annapolis (Beaumont Wayne)	1	1.0%
UNIVERSITY OF MICHIGAN ER	1	1.0%
VA ANN ARBOR ER	1	1.0%
<i>Total</i>	96	100.0%

AGING SUMMARY
PLYMOUTH MONTHLY AGING REPORT
REPORT AS OF MAY 31, 2020

<u>ID</u>	<u>Description</u>	<u>Calls</u>	<u>Current</u>	<u>31 to 60</u>	<u>61 to 90</u>	<u>91 to 120</u>	<u>121 to 150</u>	<u>151 to 180</u>	<u>Over 180</u>	<u>Total</u>
1CONS	PAPER - CONTRACT	1	0	0	0	0	0	0	698	698
1INSP	PAPER - INSURANC	1	0	0	0	0	878	0	0	878
APPL	APPEAL PATIENT 30	1	0	0	0	0	0	0	500	500
BCAP	APPEAL BCBS	1	0	0	0	0	0	0	710	710
BCBS	ELECT BCBS	1	0	0	0	686	0	0	0	686
CAIP	PAPER MEDICAID R	3	0	0	0	0	0	1319.2	551.6	1870.8
CARE	ELECT - MEDICARE	1	0	0	0	730.4	0	0	0	730.4
CAREBL	ELECT MEDICARE P	3	0	0	0	0	0	591.2	1296.4	1887.6
CRED	MHR REFUND CREDI	1	0	0	0	0	0	0	-150	-150
FIREINS	FIRE RECOVERY 15	3	0	0	0	0	0	0	675	675
INSU	PAPER INS PRIMAR	7	722	375	956	0	1089.2	0	1381.41	4523.61
NEIC	ELECT INS NEIC	1	584	0	0	0	0	0	0	584
NEICCAID	ELECT MEDICAID NE	1	0	683.6	0	0	0	0	0	683.6
PRIVATERIIV	REQUEST PRIVATE	8	0	1271.2	1432	1537.6	1259.2	0	0	5500
PRV2	PAPER - PRIVATE P	29	6567.6	3271	3146.92	768.52	265	0	671.91	14690.95
REVIEW	REVIEW	18	0	0	3275.5	5542	211.78	710	734	10473.28
SINS	PAPER INS SECOND	1	0	0	103.22	0	0	0	0	103.22
TIME	TIME PAY ACCOUNT	3	0	0	0	75	0	0	559	634
ZIR	ZIRMED 2	1	699.2	0	0	0	0	0	0	699.2
ZIRCAID	ELECT MEDICAID ZI	4	1964.4	0	0	0	572	0	0	2536.4
TOTALS		89	10537.20	5600.80	8913.64	9339.52	4275.18	2620.40	7627.32	48914.06

CHARGE SUMMARY
PLYMOUTH MONTHLY CHARGE REPORT
REPORT AS OF MAY 31, 2020

<u>ID</u>	<u>Description</u>	<u>QTY</u>	<u>QTY %</u>	<u>Charge</u> <u>Count</u>	<u>Charge</u> <u>Count</u>	<u>Charges</u>	<u>Total Charge</u> <u>%</u>
427	ALS EMERGENCY	14	12.22	14	43.75	9100.00	80.65
429	BLS EMERGENCY	2	1.75	2	6.25	1000.00	8.86
0425MC	CMS MILEAGE	21.6	18.85	5	15.63	259.20	2.3
425	MILEAGE	77	67.19	11	34.38	924.00	8.19
TOTALS		114.6		32		11283.20	

CREDIT SUMMARY
PLYMOUTH MONTHLY CREDIT REPORT

<u>ID</u>	<u>Description</u>	<u>Credits</u>	<u>QTY %</u>	<u>Amount</u>	<u>Amount %</u>
2	Adjustment	17	19.54	3985.25	23.89
1	Other Payment	46	52.87	6183.82	37.07
4	Other Refund	1	1.15	-572	-3.43
6	Patient Payment	9	10.34	1890.44	11.33
5	Write Off	14	16.09	5195.1	31.14
TOTALS		87		16682.61	

Inspection Volume

6/2/2020 11:20:19 AM

Filters:

- Inspection Source: **Internal Department Only**
- Start Date: **5/1/2020 12:00:00 AM**
- End Date: **6/1/2020 11:59:59 PM**
- Inspector: **Conroy, William**
- 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

Conroy, William	# of Inspections ¹	Violations Cited	Occupant Sq. Ft.
Annual ^{FS}	1		0
Semi-Annual (twice a year) ^{FS}	44		157,072
3-Year ^{FS}	7		0
Fire Alarm Test ^{FS}	1		0
Freedom of Information ^{FS}	1		20,000
Total	54	0	177,072

Totals

	# of Inspections ¹	Violations Cited	Violations Cleared ²	Violations Remaining	Occupant Sq. Ft.
Annual ^{FS}	1				0
Semi-Annual (twice a year) ^{FS}	44				157,072
3-Year ^{FS}	7				0
Fire Alarm Test ^{FS}	1				0
Freedom of Information ^{FS}	1				20,000
Total⁵	54	0	0	0	177,072

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).

Memorandum

TO: Board of Trustees and Planning Commission
Charter Township of Plymouth, Michigan

FROM: Laura Haw, AICP, NCI
Natalie Bond

SUBJECT: **Planning, Zoning, Design and Economic Development Report – May, 2020**

DATE: June 11, 2018

McKenna provides day-to-day assistance to the Township, applicants, and public regarding zoning, planning and economic development matters, including on-site office hours every morning and on an as-needed basis. The following is McKenna's monthly report to the Township.

PLANNING, ZONING, DESIGN AND ECONOMIC DEVELOPMENT 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 Active Projects		
PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2262 <i>Plymouth Park & Eats</i> <i>39411 Schoolcraft</i>	Applicant submitted a revised site plan for Planning Commission consideration at the December 18, 2019 meeting; approved, with conditions.	Final Stamp pending. Need revised engineering drawings and to complete a second, on-site landscape inspection.
#2271 <i>Quick Pass Car Wash</i>	Applicant received, revised, final site plan approval, with conditions, by the Planning Commission.	Applicant in process of acquiring demolition permit, and submitting revised site plans.

Planning and Zoning Active Projects		
PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2306 41661 Plymouth Rd. Hillside Residences	Planned Unit Development for 88 residential units; a revised development plan was recommended to the Board of Trustees on January 16, 2019. Pending Township Attorney review, Wayne County permits, and engineering review and all outstanding items must be addressed, prior to further consideration.	On February 11, 2020 a 6-month extension, with a 3-month progress report was granted by the Board of Trustees. A 3-month progress report has been submitted by the applicant for review by the Planning Commission at the June 17, 2020 meeting. Applicant has submitted a Brownfield Plan for the BRA's consideration at their June meeting.
#2312 Ponds at Andover	Application for seven (7) single-family detached units on 11 acres submitted to the Township. The tentative development plan was approved, with conditions, at the March 18, 2020 Planning Commission meeting.	Discussion on revised plans provided by the applicant at the May 18 th Planning Commission meeting. Applicant provided a revised plan to be considered for Final Site Plan Approval at the June 17 Planning Commission meeting.
#2314 15100 Fogg	Tentative site plan approval for new industrial building granted by the Planning Commission on December 12, 2018. A six-month site plan extension request was granted by the Planning Commission at the November 20, 2019 meeting.	Final Site Plan Approval granted at the May 13, 2020 Planning Commission meeting. Final stamp in progress.
#2320 V Tech (Innotech) Business Park	Final site plan approval, with conditions, granted by the Planning Commission for the Business Park on April 17, 2019 for infrastructure and utilities only.	Approval granted for a one-year Site Plan extension at the May 13, 2020 Planning Commission meeting, to expire on April 17, 2021.
#2325 40880 Ann Arbor Burger King Remodel	Tentative site plan approval, with conditions, granted by the Planning Commission at their March 20, 2019 meeting. Final site plan approval, with conditions, granted at the March 18, 2020 Planning Commission meeting.	Administrative review committee to review the revised site plan and signage plan, prior to Final Stamp. Landscape inspection needed. Project currently on hold, per the applicant.
#2332 Boleski Funeral Home	Applicant withdrawn from the April 17, 2019 Planning Commission agenda. Tentative site plan approval, with conditions, granted for the March Planning Commission meeting.	Administrative review committee to review the revised site plan, prior to final site plan consideration.
#2340 43939 Plymouth Oaks	Awaiting engineering approval for the Illmore parking lot expansion.	Awaiting Wayne County permits and response from engineer, prior to administrative approval. Applicant to request a one-year site plan extension request.
#2346 Phoenix Mill	Redevelopment of the former Wayne County Road Yard, adjacent to Hines Park.	Awaiting submission of site plan for review, prior to final site plan consideration.

Planning and Zoning Active Projects		
PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2348 <i>Plymouth Marketplace</i>	Redevelopment, under a 2016 PUD agreement, for the Henry Ford Health System and associated outlot at Haggerty and Ann Arbor Road.	Administrative site plan review in progress, waiting on Wayne County and MDOT permit review. Applicant to submit revised plans for Township review. Finalization of the PUD amendment confirmed.
#2349 <i>General Drive Plymouth Storage</i>	Planning Commission approved both tentative and final site plan approval for a climate-controlled storage facility and covered RV parking, with conditions, on December 18, 2019.	Final Stamp pending, awaiting revised engineering drawings.
#2351 <i>Suburban Cadillac Remodel</i>	Tentative site plan approval, with conditions, was granted by the Planning Commission at their January 15, 2020 meeting for building façade renovations. Final site plan approval, with conditions, granted at the March 18, 2020 Planning Commission meeting.	Revised plans submitted for administrative review, and found acceptable per the conditions of the Planning Commission, awaiting final documents to initiate the Final Stamp process.
#2353 <i>Atlas Tube</i>	Administrative site plan for two building additions and landscape improvements.	Reviewing revised site plans.
#2354 <i>Euro Stars Gymnastics</i>	Special land use approval for a gymnastics facility approved at the March 18, 2020 Planning Commission meeting.	Final Stamp granted by the Township on May 22, 2020. Project closed.
#2355 <i>42480 Postiff</i>	Application for two additional professional office space buildings submitted to the Township. Tentative and final site plan approval, with conditions, granted at the March 18, 2020 Planning Commission meeting.	Awaiting revised site plan for review, prior to Final Stamp consideration. Conference calls with applicant re: site signage and landscaping.
#2356 <i>42480 Postiff</i>	Land Combination request for one resultant parcel made; the future lot will function as professional office space. Applicant submitted a site plan for two additional professional office space buildings.	Administrative review in progress, prior to Final Stamp consideration. Conference calls with applicant re: site signage and landscaping.
#2357 <i>Bank of Ann Arbor</i>	Administrative site plan for construction of a transformer.	Administrative review in progress, additional changes needed for Ordinance compliance.
#2358 <i>47334 Joy</i>	Land division request for three resulting lots made; the future lot would be used for additional single-family homes.	Administrative review complete; minimum dimension requirements not met for the R-1-H District, applicant to resubmit plans.
#2359 <i>Ridge 5 Flex Building</i>	Site plan review for a 66,000 sq.ft. industrial / office building at the SE corner of Ridge and Five Mile Roads.	Tentative Site Plan Approval granted at the May 13, 2020 Planning Commission meeting. Final Site Plan consideration scheduled for the July 15, 2020 Planning Commission meeting

Planning and Zoning Active Projects		
PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2361 <i>Margate Residential Subdivision</i>	Application submitted for a Cluster Housing Option at 9295 Canton Center Rd.	CHO application under review by the Township, to be placed on the July 15, 2020 Planning Commission Agenda.
9075 Haggerty Road <i>Amazon Facility</i>	Administrative site plan review needed for re-occupancy at the existing facility at 9075 Haggerty Road.	Conference calls with applicant re: pre-development and landscaping. Awaiting site plan from applicant prior to Administrative review.
46200 N Territorial <i>CHO</i>	Pre-application request made for a Cluster Housing Option at 46200 N. Territorial.	Awaiting formal CHO application from developer prior to Site Plan Review.

RECOMMENDATIONS AND NEXT MONTH OUTLOOK

- **Elk's Property.** The Elk's property is for sale; we have received several inquiries on the site for redevelopment, including the adjacent 30 acres to the north.
- **CSX Improvements.** CSX provided an update to the Township regarding the proposed improvements to the overpass on Ann Arbor Road and has requested additional information, including utility and right-of-way details. The Township is in the process of reviewing the requests and providing additional information to CSX, as available.
- **Master Plan Update.** Phase 1 of the Plymouth Township Master Plan initiated. The Planning Department will provide an update to the Planning Commission at the July 15, 2020 meeting.
- Text Amendments in Progress:
 - Review of signage standards in the TAR and IND districts.
 - Review of landscape standards, Article 26 of the Zoning Ordinance.
 - Text amendment for subdivision gates under review.
- Township initiated rezoning of the Shearer Cemetery to the Public Lands district is needed; a public hearing to be considered at a future Planning Commission meeting. Text amendment consideration for municipal cemeteries to be designated as a permitted land use in the Public Land zoning district
- Master Deed for Ridge 5 Corporate Park approved by the Board of Trustees—a plan for the public pathway to be presented and considered within the next 3 months.

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: 06/01/2020 8:00 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
5/1/2020		Nathan Dort	Building	
5/1/2020		Jim Bailey	Election Records Fire Report	
5/9/2020		Ms Nicole Tellitocci	EMS Report Police Records	0.00
5/11/2020		Ms Nicole Tellitocci	EMS Report	
5/12/2020	The Hanover Law Group	Nathan Carroll	EMS Report	
5/18/2020	ASTI Environmental	Cody Garnsey	Assessing Records Environmental Fire Report	
5/19/2020	Black Knight Real Estate Solutions, LLC	Denesa Tefteller	Assessing Records	
5/14/2020	BuildZoom	Janine Rugas	Building	
5/22/2020	AEI Consultants	Ms. Kaitlyn Kurdziel	Building Code of Ordinance Records Environmental Fire Report Outstanding Liens/Assessments Planning Z oning Other	
5/26/2020	814 Development	Samantha Coponen	Other	
Total Requests: 10				Total Dollars: 0

PD FOIA Monthly Report

Run Date: 06/01/2020 8:00 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
5/9/2020	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
5/8/2020		Ms Ellen Kominars	Police Records	0.00
5/9/2020		Ms Nicole Tellitocci	EMS Report Police Records	0.00
5/11/2020		Geri Barrera	Police Records	0.00
5/18/2020		MR. Stephen Hanlon	Police Records	0.00
5/18/2020		Kathleen Savage	Police Records	0.00
5/18/2020	Kopka Pinkus Dolin	Jenna Elwell	Police Records	0.00
5/20/2020	LexisNexis	LexisNexis	Police Records	0.00
5/15/2020		Ms. Natalie Goebel	Police Records	20.60
5/20/2020		Mr Scott Davis	Police Records	0.00
5/20/2020		Neil Miller	Police Records	0.00
5/21/2020		Mr. John Connor	Police Records	\$33.30
5/26/2020		Ms. Alyssa Anderson	Police Records	0.00
5/26/2020		Ms. Alyssa Anderson	Police Records	0.00
5/26/2020		Ms. Alyssa Anderson	Police Records	0.00
5/26/2020		Ms. Alyssa Anderson	Police Records	0.00
5/26/2020		Ms. Alyssa Anderson	Police Records	0.00
5/26/2020		Mrs. Nichole Sturdy	Police Records	0.00
5/26/2020		Jessica Hutchison Jessica Hutchison	Police Records	0.00
5/26/2020	Versatranz, Inc	Mrs. Natalia Bodnar	Police Records	0.00
5/28/2020		Melissa Greer	Police Records	13.20
5/28/2020		Shield Strategic Solutions LLC	Ms. Vicki Yost	Police Records
5/30/2020		Mr. Mark Peterson	Police Records	
Total Requests: 23				Total Dollars: 67.1

BOARD DATE

6/23/2020

FUND NAME	FUND NUMBER	PAYROLL & INVOICES PAID		
		TOTAL INC PAYROLL	PRIOR TO MEETING	INVOICES PAID AFTER BOARD REVIEW
GENERAL FUND	101	436,601.37	374,929.33	61,672.04
SWD	226	120,652.24	2,771.98	117,880.26
IMPROV. REV.	246	-	-	
DRUG FORFEITURE	265	-	-	
DRUG FORFEITURE	266	-	-	
DRUG FORFEITURE	267	-	-	
GOLF COURSE FUND	510	-	-	
SENIOR TRANSPORATION	588	3,299.23	3,299.23	
WATER & SEWER	592	355,618.64	49,078.75	306,539.89
TRUST& AGENCY	701	-	-	
POLICE BOND FUND	702	-	-	
TAX POOL	703	-	-	
SPECIAL ASSESS CAPITAL	805	52,825.51	38.01	52,787.50
	TOTAL	968,996.99	430,117.30	538,879.69

GRAND TOTAL

968,996.99

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

VENDOR INFORMATION**INVOICE INFORMATION****ADVANCED DISPOSAL**

TWP PARK FACILITY - YD WASTE FEES_MAY - JU

101-691-931.000

TWP PARK YARD WASTE - MAY AND JUNE 202

Invoice Amount:**\$250.00****Check Date:****06/23/2020**

250.00

ADVANCED DISPOSAL

TWP FACILITIES - MAY - JUNE 2020 FEES

101-691-931.000

TWP PARK TRASH/RECYCLE

306.00

101-336-776.000

FIRE STN 3 TRASH

25.00

101-691-931.000

LK PNT SOCCER PARK TRASH - MAY AND JUNE

136.00

101-265-776.000

TWP HALL TRASH/RECYCLE

170.00

592-172-776.000

DPW TRASH

68.00

101-290-676.000

HILL TOP TRASH/RECYCLE - MAY AND JUNE

268.00

101-336-776.000

FIRE STN 2 TRASH

25.00

101-265-815.000

FRIENDSHIP STATION TRASH

25.00

ADVANCED DISPOSAL

DPW RESI COMPOST - MAY 2020

226-226-810.400

COMPOST 05/21/20

65.00

226-226-810.400

Fuel Surcharge

7.51

226-226-810.400

Compliance Fee

6.44

ALLIE BROTHERS UNIFORMS

UNIFORMS FOR FIREFIGHTERS/PARAMEDICS

101-336-758.000

FIREFIGHTER PINS

144.00

101-336-758.000

CAP BADGES

440.00

101-336-758.000

COLLAR PINS

72.00

101-336-758.000

BREAST BADGES

825.50

101-336-758.000

LT BADGES

298.50

101-336-758.000

FF NAME TAGS

314.79

101-336-758.000

BATTALION CHIEF BADGES

651.00

101-336-758.000

BC CAP BADGES

78.00

101-336-758.000

BC PIN SETS

144.00

ALLIE BROTHERS UNIFORMS

INV. 79012 2/24/2020 POINT BLANK HI LITE VES

101-305-758.000

SERIAL 200000030149/200000030182

Invoice Amount:**\$699.99****Check Date:****06/23/2020**

699.99

ALLIE BROTHERS UNIFORMS

INV. 79716 5/30/2020 UNIFORM EQUIPMENT/PS

101-325-758.000

UNIFORM S/S SHIRT

Invoice Amount:**\$49.99****Check Date:****06/23/2020**

49.99

APEX SOFTWARE

APEX SKETCHING SOFTWARE ANNUAL MAINTEN

101-209-727.000

Apex Sketching Software Annual Maintenance

Invoice Amount:**\$1,230.00****Check Date:****06/23/2020**

1,230.00

B & R JANITORIAL SUPPLY

COVID19 CLEANING SUPPLIES

101-315-951.000-20

EZ FOAM HAND SAN TOUCHLESS DISP

291.00

101-315-951.000-20

EZ FOAM HAND SAN

218.72

101-315-951.000-20

FLOOR STANDS

230.00

BATTERIES PLUS BULBS

INV. P27649059 6/10/2020 BATTERIES FOR POL

101-305-727.000

AA BATTERIES - 24 PACK

29.97

101-305-727.000

AAA BATTERIES - 24 PACK

29.97

Invoice Amount:**\$59.94****Check Date:****06/23/2020**

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

VENDOR INFORMATION**INVOICE INFORMATION**

Bidigare Contractors, Inc. 2 WATER MAIN BREAK REPAIR FOR 8899 NORTH 592-291-932.000	Invoice Amount: Check Date: WATER MAIN BREAK REPAIR 8899 NORTHERN 9,817.50	\$9,817.50 06/23/2020
BLACKWELL FORD INC. INV. 363883 5/27/2020 - VEHICLE REPAIR/10816 101-305-863.000	Invoice Amount: Check Date: THE WORKS OIL CHANGE/REPLACE TIRE 69.80	\$69.80 06/23/2020
BLACKWELL FORD INC. INV. 363882 5/29/2020 - VEHICLE REPAIR/10643 101-305-863.000	Invoice Amount: Check Date: REPLACE ONE TIRE/REPAIR RIM 111.25	\$111.25 06/23/2020
BLACKWELL FORD INC. INV. 364130 6/2/2020 - VEHICLE REPAIR/128075 101-305-863.000	Invoice Amount: Check Date: INSPECT BRAKES 48.00	\$48.00 06/23/2020
OCCUPATIONAL HEALTH CENTERS OF MI DPW EMPLOYEES - RANDOM SCREENING - INV 592-172-727.000 592-172-727.000 592-172-727.000 592-172-727.000	Invoice Amount: Check Date: KITCHEN SCREENING OVERITIS SCREENING PUMPHREY SCREENING MELOW - SCREENING DRUG & ALCOHOL 44.50 44.50 44.50 92.00	\$225.50 06/23/2020
CARDLOCK VENDING, INC. SERVICE AGREEMENT #13714 592-172-818.000	Invoice Amount: Check Date: Serv. Agreement for Internet/Cellular 235.00	\$235.00 06/23/2020
CDW GOVERNMENT INC HP LASERJET M507DN PRINTER 101-371-727.000 101-371-727.000	Invoice Amount: Check Date: HP LASERJET M507DN-1PV87A#BGJ HP89X-HIGH CAPACITY TONER-CF289X 478.08 204.52	\$682.60 06/23/2020
CDW GOVERNMENT INC SERVER RACK SHELVES - MIDEAL QUOTE LKWR4 101-201-727.000 101-201-727.000	Invoice Amount: Check Date: SERVER RACK SHELF 1U - CABSHELF116V SERVER RACK SHELF - CABSHELFV 72.24 61.26	\$133.50 06/23/2020
COMSOURCE, INC. UTILITY TRUCK HEADSETS 101-336-978.000	Invoice Amount: Check Date: INSTALL 2 SECTOM HEADSETS INTO UTL TRU 525.00	\$525.00 06/23/2020
CORPORATE CLEANING GROUP INC MONTHLY CLEANING 592-172-776.000 101-265-858.000	Invoice Amount: Check Date: INVOICE 11301 INVOICE 11301 345.00 60.00	\$405.00 06/23/2020
CORPORATE CLEANING GROUP INC MONTHLY CLEANING 101-305-776.000 101-336-776.000 592-172-776.000 101-265-776.000	Invoice Amount: Check Date: INVOICE 11254 INVOICE 11254 INVOICE 11254 INVOICE 11254 914.76 83.16 187.11 893.97	\$2,079.00 06/23/2020
CORPORATE CLEANING GROUP INC COVID SPECIAL CLEANS 101-315-951.000-20	Invoice Amount: Check Date: INVOICE 11410 1,880.00	\$1,880.00 06/23/2020

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

VENDOR INFORMATION**INVOICE INFORMATION****CORRIGAN OIL COMPANY**

#7050222 6/8/2020

592-291-863.000

Fuel Tax Recap

11.08

592-291-863.000

Environmental Fee

6.95

592-291-863.000

GE87 GAS-ETHANOL

645.64

592-291-863.000

DYED ULTRA LOW SULFUR #2 MIX

722.52

Invoice Amount:**\$1,386.19****Check Date:****06/23/2020****CYNERGY PRODUCTS**

HEADSET ON E2 NOT WORKING

101-336-851.000

HEADSET ON E2 REPAIRED

297.50

Invoice Amount:**\$297.50****Check Date:****06/23/2020****DANULOFF, LYLE D., PHD.**

POLICE OFFICER APPLICANT PSYCHOLOGICAL E

101-305-818.000

EVALUATION FOR HIRE HENG-HSU JAW

600.00

Invoice Amount:**\$600.00****Check Date:****06/23/2020****Douglass Safety Systems, LLC**

ELK-O-LITE, WYE GATE, INLET

101-336-978.000

ELK-O-LITE, WYE GATE, INLET

279.68

Invoice Amount:**\$279.68****Check Date:****06/23/2020****Douglass Safety Systems, LLC**

GRIPPR HOSE SYSTEM

101-336-978.000

#GRP-57-GRIPPER HOSE

938.42

101-336-978.000

FREIGHT

18.50

Invoice Amount:**\$956.92****Check Date:****06/23/2020****DON'S SMALL ENGINE REPAIR, INC**

PARKS- TIRE FOR ZTURN MOWER- APPROVAL AT

101-691-931.000

INV. # 52021

114.99

Invoice Amount:**\$114.99****Check Date:****06/23/2020****EctoHR, Inc.**

ECTOHR - MAY 2020 SERVICES - (INV. # 11340

101-171-818.200

5-20 SERVICES - INV. 11340

5,091.00

Invoice Amount:**\$5,091.00****Check Date:****06/23/2020****EHLERS HEATING & AIR CONDITIONING**

LAKE POINTE SOCCER PARK FURNACE REPAIR

101-691-931.000

BUILDING/GROUND MNT

337.07

Invoice Amount:**\$337.07****Check Date:****06/23/2020****GFL Environmental USA, Inc.**

MAY 2020 RESIDENTAL YARD WASTE DISPOSAL

226-226-810.000

504.95 TONS @ 25.00/TON - MAY 2020

12,623.75

Invoice Amount:**\$12,623.75****Check Date:****06/23/2020****GFL Environmental USA, Inc.**

MAY 2020 - RESIDENTIAL COLLECTION FEE

226-226-810.000

MAY 2020 TRASH

67,115.60

226-226-810.000

MAY 2020 RECYCLING

18,721.72

226-226-810.000

MAY 2020 YARD WASTE

18,015.24

Invoice Amount:**\$103,852.56****Check Date:****06/23/2020****GFL Environmental USA, Inc.**

DPW RECYCLE CENTER / WOODLORE SOUTH CL

226-226-810.500

05/12/20, 5/14/20 - PLASTICS/TINS

450.00

226-226-810.100

WOODLORE SOUTH CLEANUP - 2 DUMPSTERS

650.00

Invoice Amount:**\$1,100.00****Check Date:****06/23/2020****GFL Environmental USA, Inc.**

DPW RECYCLE CENTER

226-226-810.500

05/22/20 - CARDBOARD/PAPER

225.00

Invoice Amount:**\$225.00****Check Date:****06/23/2020****GALLS, LLC**

VESTS

Invoice Amount:**\$27.75****Check Date:****06/23/2020**

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

VENDOR INFORMATION**INVOICE INFORMATION**

	101-336-758.100	LG HS370 VEST "FIRE"	24.99
	101-336-758.000	SHIPPING	2.76
General Linen & Uniform Service		Invoice Amount:	\$30.00
INV. 0296182 6/9/2020 PRISONER BLANKET CLE		Check Date:	06/23/2020
	101-325-851.000	Blanket Cleaning	22.50
	101-325-851.000	DELIVERY CHARGE	7.50
Great Lakes Ace Hardware		Invoice Amount:	\$77.49
DROP CORDS AT STATION #3 - CONELY		Check Date:	06/23/2020
	101-336-863.000	PARTS FOR VEHICLE HOOKUPS AT STATION	77.49
GreatAmerica Financial Services		Invoice Amount:	\$448.19
STANDARD PAYMENT (INCL TAX) & SUPPLY FREI		Check Date:	06/23/2020
	101-215-978.500	STD PMT	442.89
	101-215-978.500	FREIGHT	5.30
GUARDIAN ALARM CO		Invoice Amount:	\$266.67
ALARM BILLING PLYMOUTH TOWNSHIP PUMP H		Check Date:	06/23/2020
	592-172-818.000	Monitoring, Maintenance & Services	266.67
HQI Painters, Inc.		Invoice Amount:	\$250.00
PAINTING OFF WALK THROUGH DOORS AT FIRE		Check Date:	06/23/2020
	101-336-776.000	PAINTING OF WALK THROUGH DOORS @ STA	250.00
Hallahan & Associates, PC		Invoice Amount:	\$348.80
INVOICE # 17361 ASSESSING LEGAL SERVICES		Check Date:	06/23/2020
	101-209-826.000	INV. # 172361 - ASSESS. LEGAL MAY 2020	348.80
HEMMING,POLACZYK,CRONIN,SMITH,		Invoice Amount:	\$14,573.75
LEGAL SERVICES MAY 2020 SERVICES (KEVIN B		Check Date:	06/23/2020
	101-290-825.000	ORDINANCE PROSECUTIONS	7,691.25
	101-290-827.000	COMMUNITY DEVELOPMENT	1,850.61
	101-290-826.000	ADMIN	3,163.13
	592-172-830.000-20	WATER AND SEWER (LAKEVIEW CONDO)	196.88
	101-290-826.000	MISC EXPENSES	5.00
	101-290-826.000	BUILDING DEPT	13.13
	101-290-826.000	CABLE	13.13
	101-290-826.000	FIRE	446.25
	592-172-830.000	WATER AND SEWER (OTHER)	1,194.37
HUNTINGTON NATIONAL BANK, THE		Invoice Amount:	\$125.00
3584068802 ADMIN FEE 2012 GOLT REFUNDING		Check Date:	06/23/2020
	101-290-995.500	Administration Fee Semi - 2012 GOLT	125.00
HYDRO CORP		Invoice Amount:	\$1,851.00
CROSS CONNECTION CONTROL PROGRAM MAY		Check Date:	06/23/2020
	592-291-804.000	CROSS CONNECTION CONTROL PROGRAM MA	1,851.00
IAFC MEMBERSHIP		Invoice Amount:	\$215.00
2020 MEMBERSHIP FOR CHIEF		Check Date:	06/23/2020
	101-336-729.000	MEMBERSHIP	215.00
IRON MOUNTAIN		Invoice Amount:	\$231.82
OFFSITE STORAGE - JUNE 2020		Check Date:	06/23/2020
	101-215-818.000	OFFSITE STORAGE - JUNE 2020	231.82

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

VENDOR INFORMATION**INVOICE INFORMATION**

J & B MEDICAL SUPPLY INC		Invoice Amount:	\$376.05
MEDICAL SUPPLIES		Check Date:	06/23/2020
101-336-836.000	GLUTOSE/GLUCOSE 15GM TUBE GEL		97.05
101-336-836.000	ALLIED HEALTHCARE PRODUCT		279.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$315.00
TECH SUPPORT - NETWORK SUPPORT - INVOICE		Check Date:	06/23/2020
101-290-941.000	TECH SUPPORT - NETWORK SUPPORT		315.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$1,500.00
DATTO CLOUD BACKUP SUBSCRIPTION FOR 202		Check Date:	06/23/2020
101-290-941.000	CLOUD BACKUP MONTHLY SUBSCRIPTION-202		1,500.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$150.00
FIREWALL MONITORING MAY 2020 - INVOICE#		Check Date:	06/23/2020
101-290-941.000	FIREWALL MONITORING - JUNE 2020		150.00
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$41.04
INV. 9006719002 4/25/2020 MAINT. AGREEMEN		Check Date:	06/23/2020
101-305-851.000	3/26/2020 - 4/25/2020 COVERAGE DATES		41.04
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$52.32
INV. 9006803322 5/25/2020 MAINT. AGREEMEN		Check Date:	06/23/2020
101-305-851.000	4/26/2020 - 5/25/2020 COVERAGE DATES		52.32
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$72.99
COPY CHARGES - MAY 2020 (CLERK'S OFFICE		Check Date:	06/23/2020
101-371-727.000	Color Copies - Bldg C353		66.17
101-371-727.000	B&W Copies - Bldg C353		5.77
101-215-727.000	COLOR COPIES - CLERK C451		0.41
101-215-727.000	B&W COPIES - CLERK C451		0.64
KSS Enterprises		Invoice Amount:	\$268.54
SANITIZER FLOOR STANDS		Check Date:	06/23/2020
101-315-951.000-20	196375 SANITIZER FLOOR STANDS		268.54
LARSON, OSCAR W. CO.		Invoice Amount:	\$256.45
DIESEL PRODUCT NOT WORKING. TROUBLE SHO		Check Date:	06/23/2020
592-291-863.000	labor		237.50
592-291-863.000	other/freight/travel		10.00
592-291-863.000	MATERIALS		8.95
AutoZone		Invoice Amount:	\$98.46
VEHICLE MAINT ACCESSORIES		Check Date:	06/23/2020
101-336-863.000	VEHICLE MAINT ACESSORIES		98.46
M H R BILLING SERVICES		Invoice Amount:	\$288.00
BILLING OF TRANSPORT FEES		Check Date:	06/23/2020
101-336-959.000	MONTHLY BILLING FEES		288.00
MAPLES ENVIRONMENTAL PEST CONTROL		Invoice Amount:	\$520.00
ENVIRONMENTAL PEST CONTROL		Check Date:	06/23/2020
101-265-776.000	TOWNSHIP OFFICES 6/13		185.00
101-305-776.000	TOWNSHIP POLICE DEPT 6/13		185.00
101-336-776.000	TOWNSHIP FIRE DEPT 6/13		150.00

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

MICHIGAN, STATE OF QUALITY ASSUR ASSESSMENT 4/1/20-6/30/20 101-336-863.000	Invoice Amount: \$224.45 Check Date: 06/23/2020 224.45
MICHIGAN LINEN SERVICE UNIFORMS 5/29/20 #426635 592-172-758.000 5/29/20	Invoice Amount: \$84.35 Check Date: 06/23/2020 84.35
MICHIGAN LINEN SERVICE UNIFORMS 6/5/20 #426864 592-172-758.000 6/5/20	Invoice Amount: \$84.35 Check Date: 06/23/2020 84.35
GIARMARCO, MULLINS & HORTON, PC. LABOR ATTY. SERVICES (JOHN C. CLARK) -MAY 2 101-290-828.000	Invoice Amount: \$3,615.00 Check Date: 06/23/2020 3,615.00
OFFICE DEPOT INV. 498779022001 5/22/2020 POLICE DEPT. OF 101-305-727.000	Invoice Amount: \$59.98 Check Date: 06/23/2020 59.98
OFFICE DEPOT INV. 501395085001 5/27/2020 POLICE DEPT. OF 101-305-727.000 101-305-727.000 101-305-727.000	Invoice Amount: \$172.09 Check Date: 06/23/2020 19.48 92.63 59.98
OFFICE DEPOT INV. 501403818001 5/28/2020 POLICE DEPT. OF 101-305-727.000 101-305-727.000	Invoice Amount: \$16.17 Check Date: 06/23/2020 13.89 2.28
ORCHARD, HILTZ, & MCCLIMENT, INC. GENERAL DRIVE SAD 805-805-970.350	Invoice Amount: \$32,574.00 Check Date: 06/23/2020 32,574.00
ORCHARD, HILTZ, & MCCLIMENT, INC. LITCHFIELD DRIVE- SAD 805-805-970.310	Invoice Amount: \$14,161.25 Check Date: 06/23/2020 14,161.25
ORCHARD, HILTZ, & MCCLIMENT, INC. GENERAL DRIVE SAD 805-805-970.350	Invoice Amount: \$4,981.75 Check Date: 06/23/2020 4,981.75
ORCHARD, HILTZ, & MCCLIMENT, INC. WOODBROOK SAD PLANNING PHASE 805-805-970.410	Invoice Amount: \$845.50 Check Date: 06/23/2020 845.50
ORCHARD, HILTZ, & MCCLIMENT, INC. WESTBRIAR VILLAGE SAD PLANNING PHASE 805-805-970.420	Invoice Amount: \$225.00 Check Date: 06/23/2020 225.00
PARAGON LABORATORIES DBP-1 Testing 592-172-818.100	Invoice Amount: \$164.00 Check Date: 06/23/2020 164.00
PITNEY BOWES MAIL MACHINE LEASE & LETTER OPENER 03/30/	Invoice Amount: \$1,211.82 Check Date: 06/23/2020

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

VENDOR INFORMATION**INVOICE INFORMATION**

	101-215-727.000	MAIL MACHINE LEASE - 2ND QTR 2020	828.80
	101-253-727.000	LETTER OPENER - TREAS	383.02
PLYMOUTH POSTMASTER		Invoice Amount:	\$5,600.00
POSTAGE PERMIT 218 SUMMER 2020 TAX BILLS		Check Date:	06/23/2020
	101-253-730.000	POSTAGE SUMMER 2020 TAX BILLS PERMIT 21	5,600.00
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$2,018.41
COMERICA BANK - TWP. CREDIT CARD PURCHAS		Check Date:	06/23/2020
	101-315-951.000-20	BROTHERS-SPEC. DIST. FLOOR STICKERS	27.55
	101-691-931.000	ERIC ANDERSON-HD-2 LEAF RAKES; 1 SCOOP	68.91
	592-172-960.000	FELLRATH-AWWA STANDARDS GUIDANCE	90.00
	592-172-960.000	FELLRATH-VT ASSET MANAGEMENT COURSE	395.00
	101-336-776.000	FOX-SHERWIN WILLIAMS-PAINT AND MINI RO	48.19
	101-336-863.000	FOX-HD-TORNADO HOOKS	15.68
	101-336-776.000	FOX-WEBSTAIRANT-COFFEE MAKER & DECAN	312.57
	101-305-776.000	HAACK-SAMS-PD SUPPLIES	63.90
	101-265-776.000	HAACK-SAMS-SUPPLIES - TWP. GROUNDS	77.48
	101-315-951.000-20	HAACK-TARGET-HAND SANITIZER	6.35
	101-265-776.000	HAACK-ACE-STAKES FOR ANCHORING GROUN	5.91
	101-955-885.000	HEISE-CONSTANT CONTACT - MONTHLY FEE E	70.00
	101-201-727.000	JANKS-PATCH CABLES	80.08
	101-315-951.000-20	JANKS-ZOOM SUBSCRIPTION (FOR MEETINGS)	164.29
	101-315-951.000-20	JANKS-OPENVOICE AUDIO CONFERENCE SUB.	79.00
	101-265-776.000	LEWIS-HD-WORK IN CLERKS OFFICE	45.05
	101-336-885.000	MANGAN/MACK-HD-DETECTORS	50.97
	101-336-863.000	MACK-HD-GAS 2 CYCLE/4 CYCLE	152.70
	101-315-951.000-20	PHILLIPS-AMAZON-PANDEMIC DECALS	65.98
	101-336-727.000	PHILLIPS-WEBCAM	198.80
PROGRESSIVE PRINTING		Invoice Amount:	\$220.00
CAUTION YARD SIGNS - PLAYGROUNDS		Check Date:	06/23/2020
	101-691-813.000-20	YARD SIGNS - CAUTION PLAYGROUND	220.00
PROGRESSIVE PRINTING		Invoice Amount:	\$1,210.00
WATER QUALITY REPORT POSTCARDS - PRINT,		Check Date:	06/23/2020
	592-172-730.000	WATER QUALITY REPORT POSTCARDS	1,210.00
PROGRESSIVE PRINTING		Invoice Amount:	\$146.00
2019 WATER QUALITY NEWSLETTER 150 HARD		Check Date:	06/23/2020
	592-172-730.000	2019 WATER QUALITY -150 HARD COPIES	146.00
PROGRESSIVE PRINTING		Invoice Amount:	\$1,946.00
SUMMER 2020 NEWSLETTER - INVOICE # 62526		Check Date:	06/23/2020
	101-955-885.000	SUMMER 2020 NEWSLETTER 15,826 COPIES)	1,661.00
	101-955-885.000	SUMMER 2020 NEWSLETTER LAYOUT	360.00
	101-955-885.000	CREDIT FOR PRIOR ISSUE	(75.00)
AIRGAS USA, LLC		Invoice Amount:	\$341.30
OXYGEN		Check Date:	06/23/2020
	101-336-836.000	OXYGEN (341.30
AIRGAS USA, LLC		Invoice Amount:	\$81.63
OXYGEN USP DA MED		Check Date:	06/23/2020
	101-336-836.000	OXYGEN USP INCL, DEL HZMT, FUEL	81.63
RELIABLE LANDSCAPING INC.		Invoice Amount:	\$625.00
WEED CUTS. FOR ORDINANCE CUTTING		Check Date:	06/23/2020

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

	101-265-776.000	INVOICE 90545	625.00
RELIABLE LANDSCAPING INC.		Invoice Amount:	\$170.00
WEED ORDINANCE CUTTING		Check Date:	06/23/2020
	101-265-776.000	EN20-0087	170.00
RIPP, JASON		Invoice Amount:	\$37.95
MILEAGE REIMBURSEMENT FOR COVID TESTING		Check Date:	06/23/2020
	101-315-951.000-20	REQUIRED BY DEPT	37.95
RITTER GIS		Invoice Amount:	\$1,000.00
CITYWORKS SERVICES		Check Date:	06/23/2020
	592-172-820.000-20	CITYWORKS SERVICES	1,000.00
Rocket Enterprise, Inc.		Invoice Amount:	\$325.00
6X10 ANNUAL FLAG SERVICE - TOWNSHIP PARK		Check Date:	06/23/2020
	101-691-931.000	ANNUAL FLAG SERVICE INV. # 154428	325.00
SCHOOLCRAFT COLLEGE		Invoice Amount:	\$100.00
INV. 00001418 - SPONSOR #0544339 5/29/202		Check Date:	06/23/2020
	101-305-960.000	M. BROTHERS, DREJEWSKI	100.00
SCHOOLCRAFT COLLEGE		Invoice Amount:	\$300.00
INV. 00001424 - SPONSOR #0544339 6/3/2020		Check Date:	06/23/2020
	101-305-960.000	SGT. COFFELL, OFC. FRITZ, OFC. HINKLE	150.00
	101-305-960.000	OFC. KING, OFC. MAPLES, OFC. RIPP	150.00
Share Corporation		Invoice Amount:	\$620.16
#132692 FACE MASKS		Check Date:	06/23/2020
	101-315-951.000-20	EMERGENCY PREPAREDNESS	620.16
SITE ONE LANDSCAPE SUPPLY		Invoice Amount:	\$665.53
IRRIGATION REPAIR ITEMS FOR TOWNSHIP SYS		Check Date:	06/23/2020
	101-691-931.000	IRRIGATION PARTS FOR INVENTORY OF TOW	665.53
SOUTHERN FOLGER DETENTION EQUIPMENT		Invoice Amount:	\$589.00
KEYS AND CYLINDER FOR POLICE DEPARTMENT		Check Date:	06/23/2020
	101-305-776.000	ASSA EB57 cut key	225.00
	101-305-776.000	CYLINDER E8551FA,626,COMP/??,SL:851/B57	344.00
	101-305-776.000	FREIGHT	20.00
Superior Excavating, Inc.		Invoice Amount:	\$54,938.00
LAKEVIEW STORM DRAIN PROJECT		Check Date:	06/23/2020
	592-172-830.000-20	LAKEVIEW STORM DRAIN PROJECT	54,938.00
3SI SECURITY SYSTEMS		Invoice Amount:	\$216.00
INV. 814838 6/10/2020 POLICE DEPT. TRACKER		Check Date:	06/23/2020
	101-305-851.000	Annual Usage - PD Tracker	216.00
BLUE 360 MEDIA, LLC		Invoice Amount:	\$71.75
INV. 200422149261 6/3/2020 MICHIGAN PENAL		Check Date:	06/23/2020
	101-305-960.000	SPRING 2020 EDITION	63.00
	101-305-960.000	Shipping/Handling	8.75
WAYNE COUNTY		Invoice Amount:	\$203.55
4/2020 TRAFFIC SIGNAL ENERGY INVOICE # 10		Check Date:	06/23/2020
	101-446-920.000	4/2020 TRAFFIC SIGNAL ENERGY # 1010124	203.55

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

WCA ASSESSING		Invoice Amount:	\$868.98
WCA ASSESSING MAY 2020 SPECIAL BILLING - C		Check Date:	06/23/2020
101-209-818.000	MAY 2020 SPECIAL BILLING - APPRAISAL		868.98
Thomas Reuters -WEST PAYMENT CENTER		Invoice Amount:	\$306.69
INV. 842397779 6/1/2020 WEST INFORMATION		Check Date:	06/23/2020
101-305-960.000	MAY 1-31, 2020		306.69
WESTERN TWNSPS UTILITIES AUTHORITY		Invoice Amount:	\$232,398.52
WTUA - MAY 2020		Check Date:	06/23/2020
592-441-742.000	Monthly Charges		201,371.00
592-441-743.000	YUCA IPP-IWC		5,284.60
592-443-937.000	Country Acres Pump Station		682.08
592-100-185.000	Capital Improvement Program		25,060.84
HOME SERVICE CORP		Invoice Amount:	\$40.00
REFUND CANCELLED JOB		Check Date:	06/23/2020
101-371-965.000	PM20-0205		40.00
C&C HEATING AND AIR COND.		Invoice Amount:	\$85.00
PERMIT REFUND		Check Date:	06/23/2020
101-371-965.000	PE20-0092 REFUND		85.00
MARY BARTEK		Invoice Amount:	\$150.00
SHELTER RESERVATION REFUND - PERMIT 1739		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		150.00
JASON NICKERSON		Invoice Amount:	\$150.00
SHELTER RESERVATION CANCELLED - PERMIT 1		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		150.00
ROBERT BORES		Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1742		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		125.00
ANGELA JONES		Invoice Amount:	\$175.00
PAVILION RESERVATION REFUND - PERMIT 1743		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		175.00
DAISY KOSIM		Invoice Amount:	\$325.00
PAVILION RESERVATION REFUND - PERMIT 1737		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		325.00
RAJESH KUTTY		Invoice Amount:	\$175.00
PAVILION RESERVATION REFUND - PERMIT 1738		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		175.00
PATRICIA MCNULTY		Invoice Amount:	\$150.00
SHELTER RESERVATION REFUND - PERMIT 1745		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		150.00
ADIL WASI		Invoice Amount:	\$325.00
PAVILION RESERVATION REFUND - PERMIT 1737		Check Date:	06/23/2020
101-290-964.000-20	REFUND DUE TO COVID 19		325.00
ROCIO JIMENEZ		Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1748		Check Date:	06/23/2020

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>125.00</i>
LEO SOCHACKI	Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1739	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>125.00</i>
LEONARD THOMAS	Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1739	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>125.00</i>
PATRICIA CAVASIN	Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1741	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>125.00</i>
LISA BUONERBA	Invoice Amount:	\$175.00
PAVILION RESERVATION REFUND - PERMIT 1750	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>175.00</i>
MANJIT SEKHON	Invoice Amount:	\$175.00
PAVILION RESERVATION REFUND - PERMIT 1738	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>175.00</i>
ELISSA RIDGEWAY	Invoice Amount:	\$125.00
SHELTER RESERVATION REFUND - PERMIT 1740	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>125.00</i>
LILA SKAGGS	Invoice Amount:	\$225.00
SHELTER RESERVATION REFUND - PERMIT 1740	Check Date:	06/23/2020
<i>101-290-964.000-20 REFUND DUE TO COVID 19</i>		<i>225.00</i>
Total Amount to be Disbursed:		\$538,879.69

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

VENDOR INFORMATION**INVOICE INFORMATION****ALERUS FINANCIAL**

MERS - DC FT EMPLOYEES -- EMPLOYER CONTRI

Invoice Amount:**\$23,381.21****Check Date:****06/10/2020**

101-100-231.000	RODRIGUEZ (DISPATCH) LOAN	191.47
101-325-714.010	DISPATCH-RECORDS-BONADEO	321.60
101-262-714.000	ELECTIONS (TERRELL)	298.69
592-291-714.040	DPW	2,715.00
592-291-714.000	DPW - FELLRATH, HAMANN	1,010.31
592-172-714.010	PUBLIC SERVICES	926.16
588-588-714.010	SENIOR TRANS	236.36
226-226-714.010	SOLID WASTE DEPT.	353.88
101-371-714.010	BUILDING DEPT.	1,588.39
101-336-714.020	FIRE - UNION	4,929.08
101-336-714.010	FIRE - JOWSEY	282.96
101-325-714.050	DISPATCH DEPT.	2,078.04
101-305-714.030	PD DEPT. - UNION	3,092.78
101-305-714.010	PD DEPT. (TIDERINGTON, GORDON)	674.40
101-265-714.010	BUILDING MANAGER (HAACK)	267.12
101-253-714.010	TREASURER'S OFFICE	982.56
101-215-714.010	CLERK'S OFFICE	1,855.67
101-201-714.010	IT DIRECTOR	577.44
101-171-714.010	SUPERVISOR'S OFFICE	999.30

ALERUS FINANCIAL

MERS-457 PLAN - ALL EMPLOYEES 6-5-2020 PAY

Invoice Amount:**\$20,136.72****Check Date:****06/10/2020**

101-100-239.000	457 CONT. ROTH POST-TAX	379.13
101-100-239.000	457 CONT. PRE-TAX	19,757.59

ALERUS FINANCIAL

MERS - TIDERINGTON OFF CYCLE REPORTING -

Invoice Amount:**\$1,462.47****Check Date:****06/10/2020**

101-100-256.000	TIDERINGTON OFF CYCLE REPORTING	1,462.47
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ALERUS FINANCIAL

MERS - DC FT EMPLOYEES -- EMPLOYEE CONTRI

Invoice Amount:**\$6,754.93****Check Date:****06/10/2020**

101-100-231.000	MERS EMPLOYEE POST TAX	415.22
101-100-231.000	MERS EMPLOYEE PRE TAX	6,339.71

A T & T

APRIL 2020 PAYMENT - ACCT. 734-453-4461-659

Invoice Amount:**\$439.63****Check Date:****06/10/2020**

101-336-853.000	Fire	149.47
101-265-853.000	Twp. Hall	35.17
101-691-853.000	Parks	35.17
592-291-853.000	DPW	219.82

A T & T

AT&T - TELEPHONE ALLOCATION MAY 2020 - R0

Invoice Amount:**\$1,816.59****Check Date:****06/10/2020**

101-201-853.000	Information Services	124.22
101-209-853.000	Assessing	74.17
101-371-853.000	Building	206.77
101-336-853.000	Fire	326.40
101-305-853.000	Police	330.66
101-171-853.000	Supervisor	193.31
101-253-853.000	Treasurer	164.92
101-215-853.000	Clerk	96.33
101-371-853.500	Community Development	76.96
101-325-853.000	Dispatch	124.39
101-265-854.000	Water/Sewer (Util)	29.54
101-691-853.000	Park	23.14

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION****FIDELITY SECURITY LIFE INSURANCE CO**

EYEMED - CURRENT EMPLOYEES -MAY 2020 (2 S

Invoice Amount:**\$957.65****Check Date:****06/10/2020**

592-172-714.000	PUBLIC SERVICES	22.19
592-291-714.000	PUBLIC WORKS ADMIN.	21.56
101-262-714.000	ELECTIONS (TERRELL)	10.81
101-171-714.000	SUPERVISOR DEPT.	5.69
101-201-714.000	INFO SYSTEMS	15.87
101-215-714.000	CLERK DEPT.	11.38
226-226-714.000	SOLID WASTE (VISEL)	15.87
101-253-714.000	TREASURER DEPT.	26.68
101-265-714.000	TOWNSHIP HALL (HAACK)	10.81
101-305-714.000	POLICE DEPT.	349.69
101-325-714.000	DISPATCH	134.54
101-336-714.000	FIRE DEPT.	268.39
101-371-714.000	BUILDING DEPT.	48.30
588-588-714.000	SENIOR TRANS (BOYCE)	15.87

P.O.A.M. - PLYMOUTH TOWNSHIP

POAM & DISPATCH UNION DUES -JUNE 2020 (2

Invoice Amount:**\$2,103.10****Check Date:****06/10/2020**

101-100-232.010	POAM Union Dues	1,543.08
101-100-232.040	Dispatch Union Dues	560.02

TEAMSTER LOCAL # 214

TEAMSTER LOCAL #214 JUNE 2020 (DETAILS AT

Invoice Amount:**\$520.00****Check Date:****06/10/2020**

101-100-232.030	Bartlett, James	58.00
101-100-232.030	Kilchen, Spencer	53.00
101-100-232.030	Krueger, Randy	61.00
101-100-232.030	Melow, Steven	61.00
101-100-232.030	Nelson, David	58.00
101-100-232.030	Overattis, Joseph	58.00
101-100-232.030	Pumphrey, Z	58.00
101-100-232.030	Scholten, James	58.00
101-100-232.030	Thomas, James	55.00

TECHNICAL, PROFESSIONAL AND OFFICE-

TPOAM UNION DEDUCTIONS JUNE 2020 (SEE AT

Invoice Amount:**\$576.35****Check Date:****06/10/2020**

101-100-232.060	BONADEO, KAREN E.	31.00
101-100-232.060	BONO, JENNIFER A.	15.50
101-100-232.060	DOOLEY, DEB	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.	31.00
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	TRUESDELL, MARY ANN	15.50
101-100-232.060	VISEL, SARAH J.	31.00
101-100-232.060	DAN ATKINS	15.50
101-100-232.060	CAROL MACDONELL	15.50
101-100-232.060	GLENN MILLER	15.50
101-100-232.060	DEVOTO, CLAUDIA	15.50
101-100-232.060	HALSTEAD, ANNA	31.00
101-100-232.060	TERRELL, DENISA	31.00
101-100-232.060	GELETZKE, ALICE	33.85
101-100-232.060	RICHARDSON, MIKE	31.00

Charter Township of Plymouth

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VENDOR INFORMATION**INVOICE INFORMATION****VERIZON WIRELESS**

JUNE 2020 WIRELESS BILLING ACCT #1 - 58576

Invoice Amount:**\$1,042.27****Check Date:****06/10/2020**

592-172-853.000	DPW wireless devices	100.34
101-201-853.000	Info services wireless devices	60.90
101-336-853.000	Fire wireless devices	141.81
101-691-853.000	Park foreman wireless device	50.29
101-253-853.000	Treasurer Wireless Service	50.90
101-305-853.000	Police Dept. wireless service	392.17
101-371-853.000	Building Dept. Wireless Services	245.86

VERIZON WIRELESS

JUNE 2020 - WIRELESS BILLING ACCT #2 MI D

Invoice Amount:**\$1,925.33****Check Date:****06/10/2020**

592-291-853.000	DPW	779.17
101-201-853.000	Info services wireless devices	0.22
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	82.35
101-325-853.000	Dispatch	103.85
226-226-853.000	Solid Waste - Sarah Visel	51.68
805-805-970.005	Sidewalk Inspec. I-Pad	38.01
592-172-978.001	Non-Capital Equipmt Purchases < \$5,000	629.99

WOW! BUSINESS

POLICE DEPT. SERVICE CHGS - JUNE 2020 ACCT.

Invoice Amount:**\$11.41****Check Date:****06/10/2020**

101-305-921.000	POLICE DEPT. JUNE 2020	11.41
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Total Amount to be Disbursed:**\$63,973.58**

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

VENDOR INFORMATION**INVOICE INFORMATION**

MCKENNA ASSOCIATES INC		Invoice Amount:	\$220.00
BD Bond Refund BPE20-0002 Planning/Zonin		Check Date:	06/16/2020
<i>101-371-283.014</i>	<i>BPE20-0002</i>		<i>220.00</i>
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$55.00
BD Bond Refund BPZ20-0003		Check Date:	06/16/2020
<i>101-371-283.014</i>	<i>Planning/Zoning Escrow</i>		<i>55.00</i>
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$27.50
BD Bond Refund PBZ20-0003		Check Date:	06/16/2020
<i>101-371-283.014</i>	<i>BPZ20-0003</i>		<i>27.50</i>
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$110.00
BD Bond Refund BP19-0003		Check Date:	06/16/2020
<i>101-371-283.014</i>	<i>BPZ19-0003</i>		<i>110.00</i>
Total Amount to be Disbursed:			\$412.50

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

DTE ENERGY		Invoice Amount:	\$6,511.02
DTE SERVICE - MUNICIPAL STREET LIGHTS - MA		Check Date:	06/17/2020
101-446-920.000	MAY 2020 MUNICIPAL STREET LIGHTS		6,511.02
UNUM LIFE INSURANCE CO. OF AMERICA		Invoice Amount:	\$5,915.35
UNUM PREMIUM STATEMENT - JUNE 2020 (SPR		Check Date:	06/17/2020
101-171-714.000	SUPERVISOR'S DEPT.		127.51
101-201-714.000	INFORMATION SYSTEMS		73.50
101-215-714.000	CLERK'S DEPT.		256.93
101-253-714.000	TREASURER'S DEPT.		132.41
101-265-714.000	TOWNSHIP HALL (HAACK)		41.27
101-305-714.000	POLICE DEPT.		1,848.51
101-325-714.000	DISPATCH DEPT.		742.46
101-336-714.000	FIRE DEPT.		1,633.92
101-371-714.000	BUILDING DEPT.		225.88
226-226-714.000	SOLID WASTE		51.02
588-588-714.000	SENIOR TRANS.		39.59
592-172-714.000	PUBLIC SERVICES		137.52
592-291-714.000	PUBLIC WORKS		557.77
101-262-714.000	ELECTIONS (TERRELL)		47.06
UNUM LIFE INSURANCE CO. OF AMERICA		Invoice Amount:	\$5,904.19
UNUM PREMIUM STATEMENT - MAY 2020 (SPRE		Check Date:	06/17/2020
101-171-714.000	SUPERVISOR'S DEPT.		127.51
101-201-714.000	INFORMATION SYSTEMS		73.50
101-215-714.000	CLERK'S DEPT.		253.10
101-253-714.000	TREASURER'S DEPT.		132.41
101-265-714.000	TOWNSHIP HALL (HAACK)		41.27
101-305-714.000	POLICE DEPT.		1,841.20
101-325-714.000	DISPATCH DEPT.		742.46
101-336-714.000	FIRE DEPT.		1,633.92
101-371-714.000	BUILDING DEPT.		225.88
226-226-714.000	SOLID WASTE		51.02
588-588-714.000	SENIOR TRANS.		39.59
592-172-714.000	PUBLIC SERVICES		137.52
592-291-714.000	PUBLIC WORKS		557.75
101-262-714.000	ELECTIONS (TERRELL)		47.06
WOW! BUSINESS		Invoice Amount:	\$19.94
JUNE 2020 ACCT. # 012296705		Check Date:	06/17/2020
101-265-854.000	SENIOR UTIL		18.74
588-588-921.000	SENIOR TRANS		1.20
Total Amount to be Disbursed:			\$18,350.50



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: Presentation to Board of Trustees by Historic District Commission Chair Wendy Harless

PRESENTERS: Historic District Commission Chair Harless

BACKGROUND: Historic District Commission Chair Wendy Harless would like to update the Board on the past year's activities of the Commission and to discuss goals and objectives for the future. A copy of her talking points presentation document is attached.

PROPOSED MOTION: None; presentation only

Plymouth Township HDC Accomplishments

- Created an application for property owners to nominate their structures as an historic district
- Created a process for review to evaluate any nominated structures
 - Currently researching Shearer Cemetery to be Plymouth Township's first historic district
 - Currently creating a visual record of Plymouth Township's historic structures-- 47 recognized
 - Currently creating a tourism brochure of Plymouth Township
 - Currently creating an historic plaques program
 - Trustee Dempsey has created an historic marker for the Township
 - Publish an historic fact about Plymouth Township every month in the Township newsletter





CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: Reappointments of Dennis Cebulski and Kevin Gurtowsky to the Historic District Commission

PRESENTERS: Supervisor Heise

BACKGROUND: I would appreciate your consideration and support for the re-appointments of Dennis Cebulski and Kevin Gurtowsky for a term ending June 30, 2023. Their information is attached.

PROPOSED MOTION: I move to approve Resolution # 2020-06-23-56, authorizing the re-appoint Dennis Cebulski and Kevin Gurtowsky to the Historic District Commission for a term ending June 30, 2023.

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

**RESOLUTION REAPPOINTING TWO MEMBERS OF THE PLYMOUTH TOWNSHIP
HISTORIC DISTRICT COMMISSON**

RESOLUTION # 2020-06-23-56

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 June 23, 2020, the following resolution was offered:

WHEREAS, the Charter Township of Plymouth recognizes that private citizens and their input and expertise are invaluable to the community; and,

WHEREAS, the Charter Township of Plymouth utilizes various boards and commissions to carry out the multitude of functions necessary to the efficient operation of the community; and,

WHEREAS, the Supervisor of the Charter Township of Plymouth is charged with making recommendations to the Board of Trustees to appoint various members of the community to these Boards and Commissions in accordance with the guidelines stipulated; and,

WHEREAS, Supervisor Heise has recommended to the Board the re-appointments of Dennis Cebulski and Kevin Gurtowsky to the Historic District Commission.

NOW, THEREFORE BE IT RESOLVED, that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution # 2020-06-23-56 authorizing the re-appointments of Dennis Cebulski and Kevin Gurtowsky to the Historic District Commission for a term ending December 31, 2023.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva



Charter Township of Plymouth
Board and/or Commission Application

First Name: Dennis Last Name: Cebulski SSN: ** On File

Address: 48615 Harvest Drive City: Plymouth State: MI Zip: 48170

Home Phone: 734-455-2719 Mobile Phone: 734-417-8651 Work Phone: _____ Ext: _____

Fax: _____ Primary Email: cebulski@umich.edu Alt. Email: pkc@umich.edu

Board and/or Commission Applying for: Historic District Commission

Why are you seeking appointment to the above Board or Commission?: An appointment to the Historical District Board provides me with an opportunity to share my historical experience and interest with the citizens of Plymouth Twp. Additionally an appointment would serve as an important communication link with my service on the Planning Commission

Work History: My entire professional career has been with the University of Michigan where I held the position of Assistant Director of Research Administration. As a member of the senior staff with primary responsibility for developing Institutional proposal and award reporting and analysis for the University's \$1.2 billion research enterprise. I participated in strategic planning sessions with the Vice President for Research and preparing numerous presentations to the Board of Regents.

Education: I hold a Bachelor of Business Administration. I completed the Citizen Planner Program offered by MSU Extension and received my Certificate upon completion in the Fall of 2017.

Community Involvement: In addition to serving on the Planning Commission, I am a member of the Friends of the Plymouth Historical Museum of Plymouth and an active member of Our Lady of Good Counsel Church. Additionally I have supported numerous community organizations such as the Plymouth Museum, Plymouth Community Band, and the Eagle Scout Project at Township Park.

Interests/Hobbies: Related to this application, I have a long-time interest in history. I have served as President of the Dearborn Historical Society (1977) and still a member. I am member of the Plymouth Historical Museum, the Henry Ford Heritage Association, and the Ford Piquette Avenue Plant where I made an early contribution to help purchase and save the Plant in 1998. I served as a docent at the Henry Ford Fair Lane Estate when the Women of Fair Lane manged tours.

****The Social Security Number is required as some appointments result in payment that will exceed \$600.00 per year. In that situation, we will send you a Form 1099 at the end of the year.**

Please return this completed application to:

Plymouth Townships Clerk's Office
Jerry Vorva, Clerk
9955 North Haggerty Road
Plymouth MI 48170

Clear Form

Charter Township of Plymouth
Board and/or Commission Application

First Name: Kevin Last Name: Gurtowsky SSN: ** _____

Address: 44800 Joy Rd. City: Plymouth State: MI Zip: 48170

Home Phone: N/A Mobile Phone: 734-904-6646 Work Phone: 313-965-3399 Ext: 208

Fax: N/A Primary Email: kgurtowsky@gmail.com Alt. Email: _____

Board and/or Commission Applying for: Historic District Commission

Why are you seeking appointment to the above Board or Commission?: Even as a young kid, I always had an interest in the built environment. I remember an 8th grade class trip to Chicago where I took photo after photo of the skyline and returned home with 4 rolls of images of the buildings and architecture and only a handful of candids with my friends. Working in Downtown Detroit, I have had the opportunity to develop a strong passion for historic preservation, witnessing it's value first-hand on adaptive re-use projects. I am seeking an appointment on Plymouth Township's HDC because it's a great opportunity to draw upon these two interests and have a true and lasting impact on the community I call home.

Work History: Project Architect, Kraemer Design Group, May 2015 - Present (Licensed Architect: November 2017)

Architectural Intern, Kraemer Design Group, May 2014 - August 2014

Intern Architect, Joseph Phillips - Architect, April 2012 - August 2013

Intern Architect, DesRosiers Architects, April 2012 - September 2012

Education: University of Michigan

Master of Architecture, May 2015

Bachelor of Science in Architecture, May 2009

Community Involvement: American Institute of Architect - Detroit Chapter, Emerging Professionals Committee

Interests/Hobbies: Rowing, Cycling, Photography, Movie Trivia

****The Social Security Number is required as some appointments result in payment that will exceed \$600.00 per year. In that situation, we will send you a Form 1099 at the end of the year.**

Please return this completed application to:

Plymouth Townships Clerk's Office
 Jerry Vorva, Clerk
 9955 North Haggerty Road
 Plymouth MI 48170

RECEIVED

MAY 17 2019

**PLYMOUTH TWP
 CLERK'S OFFICE**

KraemerDesignGroup

PROJECT ARCHITECT | KEVIN GURTOWSKY

Kevin was born and raised in Southeast Michigan and is excited to work in a field where he can contribute to the ongoing development of Detroit. Growing up his father was a member of the construction trades, which inspired Kevin to develop a life-long appreciation for the built environment. He was able to see first-hand how it impacted people's daily lives and served as a legacy that could be passed down to the next generation.

Kevin received both his Master of Architecture in 2015 and his Bachelor of Science in Architecture in 2009 from Taubman College of Architecture & Urban Planning at the University of Michigan. During his time at U of M, he participated in the Iceland International Travel Studio where he delved into human-centered urbanism. Kevin has gained valuable professional experience while working at various architectural firms in Metro-Detroit and has worked on a variety of projects including everything from retail and hospitality to commercial offices and multi-family residential. Kevin brings a detail-oriented approach with a passion for design at all scales. Kevin returned to Kraemer Design Group in May 2015 and became a licensed architect in the State of Michigan in November 2017.



CONTACT INFORMATION

kevin.gurtowsky@thekraemeredge.com
p 313 965 3399 x208

REGISTRATIONS | MEMBERSHIPS

Registered Architect, State of Michigan
1301066317

American Institute of Architects (AIA)

National Council of Architectural Registration
Boards (NCARB)

State of Michigan - 36CFR Part 61 Qualified Historic
Architect and Technical Preservation Consultant

PROFESSIONAL EXPERIENCE

Kraemer Design Group
Project Architect, Nov 2017 - Present
Architectural Designer, May 2015 - Nov 2017
Architectural Intern, May 2014 - August 2014
Detroit, MI

Joseph Phillips - Architect
Intern Architect, April 2012 - August 2013
Plymouth, MI

DesRosiers Architects
Intern Architect, April 2012 - Sept 2012
Bloomfield Hills, MI

EDUCATION

Master of Architecture, 2015
Bachelor of Science in Architecture, 2009
University of Michigan
Ann Arbor, MI

PROJECT EXPERIENCE

Detroit, MI | Project Architect | One Detroit Credit Union
Livonia, MI | Project Architect | Aristeo Construction - Office Relocation
Detroit, MI | Project Architect | Detroit Labs - Office Expansion
Detroit, MI | Project Architect, Historic Consulting | Leland House
Detroit, MI | Architectural Designer | 66 Columbia St - Retail Infill
Detroit, MI | Architectural Designer, Historic Consulting | David Stott Building
Detroit, MI | Architectural Designer, Historic Consulting | Elliott Building
Detroit, MI | Architectural Designer | Shinola - Office Expansion
Multiple Locations | Architectural Designer | Bagger Dave's Burger Tavern
Detroit, MI | Architectural Intern | Malcomson Building
Detroit, MI | Architectural Intern | Detroit Savings Bank Apartments
Detroit, MI | Architectural Intern | Fellow Barber
Detroit, MI | Architectural Intern | Town Residences
Northville, MI | Architectural Intern | MainCentre Apartments
Owasso, MI | Architectural Intern | Owasso Armory
Detroit, MI | Architectural Intern | Ford Estates - Office Relocation
Ann Arbor, MI | Architectural Intern | Summit Townhomes
Lansing, MI | Architectural Intern | Sparrow Health System - Retail & Food Service
Sterling Heights, MI | Architectural Intern | Fraza Forklifts
Novi, MI | Architectural Intern | One World Market
Livonia, MI | Architectural Intern | Michigan Municipal Risk Management Authority
Multiple Locations | Architectural Intern | Community Financial Credit Union
Livonia, MI | Architectural Intern | Jacobsen Industries

**Charter Township of Plymouth
Historic District Commission
as at 6-24-2020**

Colleen Azimi (Preservationist)

11835 Appletree Drive

Plymouth, MI 48170

412-728-3156

Cmmarsh30@gmail.com

(preservationist)Term Expires 6-30-21

Dennis Cebulski (Planning Commissioner)

48615 Harvest Drive

Plymouth, MI 48170

734-455-2719 (home)

734-417-8651 (cell)

Cebulski@umich.edu

Term Expires 6-30-23

Jack Dempsey (Township Trustee, Historian)

9400 Northampton Drive

Plymouth, MI 48170

734-358-2752

jdempsey@plymouthtwp.org

Term Expires 6-30-22

Kevin Gurtowsky (Architect)

44800 Joy Road

Plymouth, MI 48170

734-904-6646

kgurtowsky@gmail.com

Term Expires 6-30-23

Wendy Harless (Preservationist)

11677 Morgan Avenue

Plymouth, MI 48170

734-546-4449

wmharless@gmail.com

Term Expires 6-30-22

Sybil Hunter (Township Resident)

11937 Glenview Drive

Plymouth, MI 48170

734-207-0575 (home)

313-617-5119 (cell)

sybilworks@me.com

Term Expires 6-30-22

Carol Souchock (Township Resident)

13094 Woodridge Circle

Plymouth, MI 48170

248-245-5057

carolsouchock@gmail.com

Term Expires 6-30-21



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: Appointment of Laura Haw and Damon Krueger and the re-appointment of Linda Barterian to the Environmental Leadership Commission

PRESENTERS: Supervisor Heise

BACKGROUND: I would appreciate your consideration and support for the appointment of Laura Haw and Damon Krueger and the re-appointment of Linda Barterian to the Environmental Leadership Commission for a term ending December 31, 2023. Their information is attached.

PROPOSED MOTION: I move to approve Resolution # 2020-06-23-57 authorizing the appointment of Laura Haw and Damon Krueger and the re-appointment of Linda Barterian to the Environmental Leadership Commission for a term ending December 31, 2023.

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

**RESOLUTION APPOINTING TWO MEMBERS AND REAPPOINTING ONE MEMBER
OF THE PLYMOUTH TOWNSHIP ENVIRONMENTAL LEADERSHIP COMMISSON**

RESOLUTION # 2020-06-23-57

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 June 23, 2020, the following resolution was offered:

WHEREAS, the Charter Township of Plymouth recognizes that private citizens and their input and expertise are invaluable to the community; and,

WHEREAS, the Charter Township of Plymouth utilizes various boards and commissions to carry out the multitude of functions necessary to the efficient operation of the community; and,

WHEREAS, the Supervisor of the Charter Township of Plymouth is charged with making recommendations to the Board of Trustees to appoint various members of the community to these Boards and Commissions in accordance with the guidelines stipulated; and,

WHEREAS, Supervisor Heise has recommended to the Board the appointment of Laura Haw and Damon Krueger and the re-appointment of Linda Barterian to the Environmental Leadership Commission.

NOW, THEREFORE BE IT RESOLVED, that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution # 2020-06-23-57 authorizing the appointment of Laura Haw and Damon Krueger and the re-appointment of Linda Barterian to the Environmental Leadership Commission for a term ending December 31, 2023.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton

Clear Form



Charter Township of Plymouth
Board and/or Commission Application

First Name: Laura Last Name: Haw SSN: **

Address: 11955 Trailwood Road City: Plymouth State: MI Zip: 48170

Home Phone: n/a Mobile Phone: 734.347.2896 Work Phone: n/a Ext: -

Fax: n/a Primary Email: laura.e.haw@gmail.com Alt. Email: n/a

Board and/or Commission Applying for: Environmental Leadership Commission

Why are you seeking appointment to the above Board or Commission?: Please see the attached letter for details.

Work History: Please see attached resume for further details.

Education: Please see attached resume for further details.

Community Involvement: Please see the attached letter for details.

Interests/Hobbies: Please see the attached letter for details.

****The Social Security Number is required as some appointments result in payment that will exceed \$600.00 per year. In that situation, we will send you a Form 1099 at the end of the year.**

Please return this completed application to:

Plymouth Townships Clerk's Office
 Jerry Vorva, Clerk
 9955 North Haggerty Road
 Plymouth MI 48170

Laura E. Haw, AICP, NCI

11955 Trailwood Road, Plymouth, MI 48170 • (734) 347.2896 • laura.e.haw@gmail.com

August 2, 2019

Charter Township of Plymouth
9955 North Haggerty Road
Plymouth, MI 48170

Dear Supervisor Heise and Plymouth Township Leadership,

It would be an honor to serve on the Environmental Leadership Commission for Plymouth Township. As an urban planner, I have significant professional experience working on environmental design projects, and would like to continue to do so in a volunteer capacity. With a background in technical urban planning and physical design, I am well versed on the impacts of development on the natural environment. In addition, I have developed a number of park, trail and recreation plans and have successfully applied for grant funding for recreation amenities and park development.

Further, as a planning consultant working in communities across Michigan and Ohio, ranging from rural to urban, I am exposed to a number of environmental challenges, and the processes and solutions, which have been implemented and explored. I also have a wealth of experience collaborating with government agencies, non-profits, and property owners to accomplish a greater goal. I hope this range and depth of knowledge would be of benefit to the Commission, especially when implementing projects and identifying creative solutions to complex challenges. I hope my unique perspective would bring a practical benefit to the Environmental Leadership Commission.

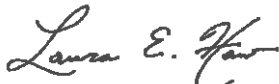
In regards to community involvement, I am a member of the Michigan Association of Planning (MAP), and I also volunteer on their Information and Education Committee (which creates public educational content and tools for municipalities on a range of topics, including energy, equity, etc.). While not specific to community involvement in the Township, I recently developed and instituted a formal "give back" policy at my firm for employees to regularly volunteer and participate in non-profit and charity events in communities across Michigan. Additionally, I am a member of the Michigan Parks and Recreation Association (MParks) and regularly attend their conferences.

I enjoy reading (MAP book club), landscaping, traveling, cooking classes with my husband, and road cycling (especially in Hines Park).

Included with this submission, please find my resume containing additional information on my experience and technical skills.

Thank you for your consideration, I look forward to hearing from you soon!

Sincerely,



Laura E. Haw, AICP, NCI

Laura E. Haw, AICP, NCI

urban planner // designer

philosophy + core knowledge

With every planning project there are moments to make lasting, positive impacts. As a designer and planner, I seek to identify, create and implement the opportunities that enhance our communities into sustainable places that not only function well, but feel good; spaces we remember and enjoy.



education

2013 UNIVERSITY OF MICHIGAN
Taubman College of Art + Architecture
Ann Arbor, MI

Masters in Urban Planning, Physical
Planning + Design

2011 MICHIGAN STATE UNIVERSITY
College of Social Science
East Lansing, MI

Bachelor of Art, Political Science /
Pre-Law

Bachelor of Art, Global + Area Studies,
International Development

Peace + Justice Specialization, Honors

technical skills

Adobe Creative Suite:
[InDesign / Illustrator / Photoshop]

AutoCAD

GIS / Mapping

Site Design

Site Renders

Document Layout

Graphic Design

references

*Available upon request. Please visit
LinkedIn for additional information.*

contact

(734) 347.2896 • laura.e.haw@gmail.com
11955 Trailwood Rd., Plymouth, MI 48170

professional experience

2016-present

MCKENNA

Senior Principal Planner // Designer

As a Senior Principal Planner and Designer, I manage numerous clients and projects throughout Michigan, providing technical planning, zoning and urban design assistance.

Responsibilities include:

- Creation of long-range master plans and parks and recreation plans;
- Preparation of strategic land use recommendations, placemaking alternatives, with a focus on vibrant, walkable and sustainable neighborhoods and downtowns;
- Analysis and reporting of complex data to formulate recommendations on land use planning, feasibility studies, and urban design projects;
- Redevelopment plans, including implementation matrices detailing project prioritization, phasing, economic incentives, potential partners, and funding sources;
- Guide planning services and processes (i.e. site plan, special land use, variances, etc.) from concept to construction;
- Project management and leadership oversight for a team of professional planners and designers within the firm;
- Creation of user-friendly document layout / graphic designs for plans and marketing efforts; and
- Organize and facilitate public engagement sessions (i.e. workshops, focus groups, open house forums, and municipal meetings) to inform and capture the visions and ideas of the community.

2015-2016

ATWELL

Planner // Designer

Responsibilities include drafting site concept plans in AutoCAD, rendering site alternatives, and presenting designs to clients for a variety of residential and commercial projects. Special attention to pedestrian connections, placemaking, wetlands/woodland impacts, and context sensitive design.

2012-2015

MCKENNA

Community Planning + Design - Various Planner // Designer Positions

Promotion from Assistant to Associate Planner // Designer in 2014.

Promotion to Senior Planner // Designer in 2015.

Promotion to Principal Planner // Designer in 2017.

Promotion to Senior Principal Planner // Designer and Team Leader in 2019 (see above).

Clear Form

Charter Township of Plymouth
Board and/or Commission Application

First Name: Damon Last Name: Krueger SSN: ** _____

Address: 9254 Northern Ave City: Plymouth State: MI Zip: 48170

Home Phone: 810-875-0001 Mobile Phone: _____ Work Phone: _____ Ext: _____

Fax: _____ Primary Email: damonkr@umich.edu Alt. Email: _____

Board and/or Commission Applying for: Environmental Leadership Commission

Why are you seeking appointment to the above Board or Commission?: I want my community to be on the leading edge of environmental awareness and stewardship. All my life, I have practiced environmental responsibility and educated others to do the same. If Plymouth TWP can be an example for other communities then we are on the right track. I would like to help by being an active member of the commission and the community

Work History: Research Associate at Michigan State University; Research Associate at University of Missouri; HR Technology Specialist at Ford Motor Company; Research Assistant at University of Michigan; Research Assistant at University of Minnesota - Duluth; Research Assistant at University of Wisconsin

Education: PhD, Resource and Ecosystems Management - University of Michigan
Masters of Science, Biology and Stastics - University of Minnesota - Duluth
Bachelors of Science, Wildlife Ecology - University of Wisconsin

Community Involvement: Triathlon coach and participant with Leukemia and Lymphoma Society; Started non-profit company to raise funds for local charities; Founded local triathlon club; Member of local cycling team that is active in local environmental and safety issues; Member of Green Meadows community; My family is active in community events

Interests/Hobbies: Freshwater ecology; coral reefs; aquariums; exotic cars; cycling; running; community events; gardening; landscaping

**The Social Security Number is required as some appointments result in payment that will exceed \$600.00 per year. In that situation, we will send you a Form 1099 at the end of the year.

Please return this completed application to:

Plymouth Townships Clerk's Office
 Jerry Vorva, Clerk
 9955 North Haggerty Road
 Plymouth MI 48170

RECEIVED

JUL 19 2019

**PLYMOUTH TWP
 CLERK'S OFFICE**

DR. DAMON M. KRUEGER

Plymouth, MI 48170
damonkr@umich.edu

810-875-0001
[linkedin.com/in/damonkruegerphd](https://www.linkedin.com/in/damonkruegerphd)

HRIS SPECIALIST & SCIENTIST**Creative Problem Solver | Team Leader | Customer Service Specialist**

Extremely skilled and persuasive writer and speaker, critical thinker, data analyst, instructor. High attention to detail and excellent interpersonal skills with diverse Global groups. Turns results into actions.

Insightful and optimistic self-starter enjoys new challenges that showcase adaptability and quick learning. Makes sound decisions to build and maintain customer adoration, automate business processes, and develop strategies that maximize efficiency and integrity. Expert proficiency in MS Office Suite and more.

Intl. Project Management | HR Information Systems | Interdisciplinary Collaboration**PROFESSIONAL EXPERIENCE**TENNECO, Southfield, MI**Senior HRIS Analyst**

2020 to present

Owner of Talent Management System used for Learning, Recruiting, Compensation, and Performance.
 Customer Service Agent, Creative Thinker, Process Writer, Data Analyst.

- Lead Corporate compliance, performance, and talent reviews
- Manage and execute business processes with respective corporate leaders
- Write and manage business project plans that include HR, IT, General Council, Internal Controls, etc.

FORD MOTOR COMPANY, Dearborn, MI**Senior HRIS Specialist**

2014 to 2019

Made HR customers' lives easier, owned governance and change control processes for HR, liaison to Global customer groups.

- Wrote application configurations based on customer requirements
- Created unique HR process workflows & subsequent enhancements using customer input
- Created change management communications for the Global Enterprise using various media
- Re-designed, wrote, and implemented Global Business Processes for HR Shared Services teams
- Managed multiple priorities at all times and trained teams of HR and IT analysts

SHIGA UNIVERSITY AND JAPAN CENTER FOR MICHIGAN UNIVERSITIES**Instructor**

2012 to 2015

- Invited lecturer at Shiga University, Otsu, Japan
- Research efforts with University of Shiga Prefecture and Lake Biwa Museum
- Wrote and published 2 peer-reviewed papers in scientific journals
- Lead Science Instructor for U.S.-Japan Foundation's Great Lakes-Shiga High School Exchange Program

UNIVERSITY OF MISSOURI, (Ann Arbor, MI - remote)**Associate Research Scientist**

2013 to 2014

- Wrote and published 3 peer-reviewed papers in scientific journals
- Developed advanced metrics and decision support tools based on customer requirements
- Managed team of 4 Principle Investigators and analysts from research entities across US and Canada

MICHIGAN STATE UNIVERSITY, East Lansing, MI

Associate Research Scientist

2010 to 2013

- Project Manager, Data Analyst, Science Leader. Managed 3 data analysts
- Wrote and published 2 peer-reviewed papers in scientific journals, along with agency reports
- Wrangled data, parameterized and trained sophisticated forecasting models
- Organized workshops for customers from multiple institutions across the Great Lakes region
- Organized successful 1.5-day symposium at a national conference with 4,000+ attendees

ADDITIONAL RELEVANT EXPERIENCE

UNIVERSITIES OF MICHIGAN AND MINNESOTA - **Instructor**

2003 to 2009

Head Instructor for Biology courses

- Approximately 50 students per term
- Excellent Instructor reviews - top 10% university-wide

UNIVERSITY OF MICHIGAN - **Research Assistant**

2003 to 2007

Project Leader for interdisciplinary research project

- Wrote and published 5 peer-reviewed papers in scientific journals
- Trained and managed 8 technicians for sampling technique, data collection, standardization, analyses
- Technical Leader on research expeditions in Lake Michigan, Gulf of Mexico, S. Atlantic Coast

UNIVERSITY OF MINNESOTA – DULUTH - **Research Assistant**

2001 to 2003

Project leader in remote locations.

- Wrote and published 1 peer-reviewed paper in a scientific journal
- Developed environmental policy changes with Native American tribal managers

EDUCATION

Doctor of Philosophy (PhD), Ecosystems MGMT, UNIVERSITY OF MICHIGAN, Ann Arbor, MI

Master's (MS), Biology (statistics minor), UNIVERSITY OF MINNESOTA, Duluth, MN

Bachelor's (BS), Wildlife Ecology, UNIVERSITY OF WISCONSIN, Madison, WI

Study Abroad, South Pacific, UNIVERSITY OF WISCONSIN, Stevens Point, WI

PUBLICATIONS AND PRESENTATIONS

- Over 15 peer-reviewed papers in Intl. journals; more in preparation; Technical reports; PhD/MS Theses
- Lectured and presented (invited and contributed) at over 50 International, Regional, and Local venues
- Wrote several articles for small running publication (Running Research News)

OTHER ACCOMPLISHMENTS

•Boston Marathon qualifier •Half-Ironman World Championship qualifier •Raced 7 Ironman triathlons (>50 total triathlons) •Triathlon coach and fundraiser for Leukemia and Lymphoma Society •Founded local triathlon club and fundraising team •SCUBA certified • Unique car enthusiast •Avid car club participant

Clear Form

Charter Township of Plymouth
Board and/or Commission Application

First Name: Linda Last Name: Barterian SSN: ** _____

Address: 45537 Leighwood Ct. City: Plymouth State: MI Zip: 48170

Home Phone: 734 459 0771 Mobile Phone: 734 718 9155 Work Phone: 734 794 8009 Ext: _____

Fax: _____ Primary Email: lbarteri@umich.edu Alt. Email: lbarterian@mathematica-mpr.com

Board and/or Commission Applying for: Environmental Leadership Commission

Why are you seeking appointment to the above Board or Commission?: I would like to serve my community and help improve the environment for current and future residents of Plymouth Township.

Work History: I am currently a health researcher/policy analyst at Mathematica Policy Research. I previously worked for several health research organizations and was an epidemiologist at Ford Motor Company.

Education: Masters in Public Health - Epidemiology and Masters in Public Policy from the University of Michigan, Ann Arbor

Community Involvement: I've been part of the citizens environmental advisory group for the past two years and helped advocate for consideration of a permanent environmental commission in Plymouth Township. I've also volunteered with PBJ Outreach, Habitat for Humanity, and, this year, Friends of the Rouge installing rain gardens.

Interests/Hobbies: gardening, yoga, tennis, new interests: photography, learning ways to adopt more "zero waste" lifestyle habits

**The Social Security Number is required as some appointments result in payment that will exceed \$600.00 per year. In that situation, we will send you a Form 1099 at the end of the year.

Please return this completed application to:

Plymouth Townships Clerk's Office
 Jerry Vorva, Clerk
 9955 North Haggerty Road
 Plymouth MI 48170

RECEIVED

AUG 02 2019

**PLYMOUTH TWP
 CLERK'S OFFICE**

**Charter Township of Plymouth
Environmental Leadership Commission
as at 6-24-2020**

Linda Barterian
45537 Leighwood Ct.
Plymouth, MI 48170
lbarteri@umich.edu
734-794-8009
Term expires June 30, 2023

Ashley Binion-Zuccaro
40388 Greenbriar Lane
Plymouth, MI 48170
arbinion@yahoo.com
734-552-9899
Term expires June 30, 2021

Laura Haw
11955 Trailwood Road
Plymouth, MI 48170
Laura.e.haw@gmail.com
734-347-2896
Term expires June 30, 2023

Damon Krueger
9254 Northern Avenue
Plymouth, MI 48170
damonkr@umich.edu
810-875-0001
Term expires June 30, 2023

Joanne Lamar (Secretary)
46835 Betty Hill
Plymouth, MI 48170
lamarjoa@gmail.com
313-618-7548
Term expires June 30, 2022

Mary Ann MacLaren (Chair)
44471 Marc Trail
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734-360-3991
Term expires June 30, 2022

Angel Price
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CHARTER TOWNSHIP OF PLYMOUTH

REQUEST FOR BOARD CONSIDERATION

MEETING DATE: June 23, 2020

ITEM: 2001 Fire Millage Renewal – Ballot Language

PRESENTER: Mark Clinton, Treasurer

BACKGROUND:

In 2001, the voters of the Charter Township of Plymouth approved a Fire Millage renewal of 1.0 mills for fire services for the 20-year period from 2001 through 2020 inclusive. The Headlee Rollback has reduced this rate to 0.9866 mills. This millage is set to expire after the 2020 winter tax season.

The current Fire Millage is one of four active millages which have been approved by township voters over the years. The other three millages expire in the year 2035.

The Fire Millage currently comprises 19% of the township's property tax revenue and is crucial for the continued public safety, health, and general welfare of its citizens.

It is predicted that the presidential general election of November 2020 will have a heavy turnout and provides the ideal opportunity for the majority of township voters to be heard on the matter of the fire millage renewal.

To place a millage proposal on a ballot, the township board must adopt by roll call vote a resolution stating the ballot language and indicating the board's intention to place it before the voters on a specified election date.

RESOLUTION:

I move to approve **Resolution 2020-06-23-58** which authorizes the placement of a request for the renewal of the 2001 Fire Millage on the November 3, 2020 ballot at a rate of up to 0.9866 mills for 15 years with the language specified in the resolution.

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

RESOLUTION # 2020-06-23-58

RENEWAL OF 2001 FIRE MILLAGE (.9866 mills)

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 June 23, 2020, the following resolution was offered:

WHEREAS in 2001 the voters of the Charter Township of Plymouth approved a millage renewal of 1.0 mills for fire services for the 20-year period from 2001 through 2020 inclusive; and,

WHEREAS the aforementioned fire services millage is set to expire at the end of the 2020 winter tax season; and,

WHEREAS the Board desires to put a renewal of this millage before the voters on the November 2020 ballot; and,

WHEREAS, Article IX, Section 6 of the Michigan Constitution authorizes the millage limitation on general ad valorem taxes up to a maximum of 50 mills for a period not to exceed 20 years at any one time if approved by a majority of the qualified electors voting on the question; and,

WHEREAS, MCL 211.203 describes the manner in which such can be accomplished. It requires that the ballot for a millage proposal shall state the amount in dollars per thousand dollars of taxable value by which it is proposed that the total tax rate limitation on property in the local unit be increased and the number of years for which it is proposed that the increase shall be effective. **If further provides that, where a previous increase is about to expire and a renewal for the identical amount is proposed, the ballot may be presented as a "renewal or continuation" of the previous increase for a specified number of years.**

WHEREAS, MCL 211.24f provides that the millage proposal ballot shall state all the following:

- (a) The millage rate to be authorized;
- (b) The estimated amount of revenue that will be collected in the first year that the millage is authorized and levied;
- (c) The duration of the millage in years;

- (d) A clear statement of the purpose for the millage;
- (e) A clear statement indicating whether the proposed millage is a renewal of a previously authorized millage or the authorization of a new additional millage;
- (f) Each local unit of government to which the revenue from that millage will be disbursed.

WHEREAS, the Board of Trustees of the Charter Township of Plymouth has determined that the public health, safety and general welfare is best served by putting a millage proposal to the voters of the Township at the general election in November of 2020, such millage resulting in levying a millage renewal of 0.9866 mill per \$1,000 of taxable value to be used for operating, maintaining and obtaining real and personal property for fire services.

NOW, THEREFORE, be it resolved that the ballot language for proposed millage be as follows:

Renewal of 2001 Fire Millage

This is a renewal of the current fire millage set to expire after the 2020 winter tax season, originally levied in 1981 and renewed for the first time in 2001. Shall the Charter Township of Plymouth be authorized to continue to levy this millage up to the estimated 2020 Headlee Amendment rollback rate of 0.9866 mills (about 99 cents per \$1,000 of taxable value) for the 15 year period of 2021 through 2035 inclusive, and the funds thereby derived be used for operating, maintaining and obtaining real and personal property for fire services for the Charter Township of Plymouth. This renewal is projected to raise an estimated \$1,900,000 in the first year.

[] Yes

[] No

Moved by: _____ Seconded by: _____

ROLL CALL:

___Dempsey, ___Doroshewitz, ___Heise, ___Heitman, ___Vorva, ___Clinton, ___Curmi



TOWNSHIP OF PLYMOUTH BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: AWIA Risk and Resilience Assessment

PRESENTER: Patrick J. Fellrath, P.E., Director of Public Services

BACKGROUND:

Under America's Water Infrastructure Act of 2018 (AWIA), the Township is required to conduct a Risk and Resilience Assessment (RRA) by June 30, 2021.

RRA is a comprehensive study of the Township's water system. Required RRA considerations include risks to the water system from malevolent acts and natural hazards and resilience of system components. All critical components of the system, including electronic, computer, or other automated systems must be assessed; i.e., pipes/valves; storage and pumping facilities; monitoring systems; and financial infrastructure (accounting/billing software). Non-physical parts of the system must also be assessed including O&M and monitoring practices and an evaluation of capital and operational needs for risk and resilience management.

Due to the comprehensive nature of the RRA requirements and the need for the Township to update its water system hydraulic model to assist in conducting the RRA, it is recommended Township starts this project as soon as possible to meet the June 2021 deadline.

HRC has submitted the attached proposal for professional services to assist in conducting the RRA including updating the Township's hydraulic model. HRC is familiar with the Township's water system as a result of involvement in recent successful Township water projects. HRC has experience in conducting RRAs for larger utilities whose deadlines were scheduled in 2020.

ACTION REQUESTED: Approve

BUDGET/ACCOUNT NUMBER: \$50,990 / GL #592-172-820.000

MODEL RESOLUTION: I move to approve the attached proposal from HRC for an amount not to exceed \$50,990 for updating the Township's water system hydraulic model and conducting a Risk and Resilience Assessment (RRA) to comply with America's Water Infrastructure Act of 2018 (AWIA).

Attachment: Proposal

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

**RESOLUTION TO AUTHORIZE WATER SYSTEM RISK AND RESILIENCE
ASSESSMENT AND HYDRAULIC MODEL UPDATE**

RESOLUTION # 2020-06-23-59

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on June 23, 2020, the following resolution was offered:

WHEREAS, the Township is required under America's Water Infrastructure Act of 2018 to conduct a Water System Risk and Resilience Assessment (RRA), and;

WHEREAS, the Township's water system hydraulic model will assist in conducting the RRA, and;

WHEREAS, the Township's water system hydraulic model requires an update for current use, and;

WHEREAS, the RRA and water model update has been included in the FY2020 water and sewer budget.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution # 2020-06-23-59** authorizing the attached proposal from Hubbell, Roth, & Clark, Inc for an amount not to exceed \$50,990 to conduct the RRA and hydraulic model update for the Township's water system.

Moved by: _____ Seconded by: _____

ROLL CALL:

____Doroshewitz, ____Heise, ____Heitman, ____Vorva, ____Clinton, ____Curmi, ____Dempsey

June 15, 2020

Charter Township of Plymouth
9955 Haggerty Road
Plymouth Township, MI 48170

Attn: Mr. Patrick Fellrath, P.E., Director of Public Services

Re: Proposal for Professional Engineering Services
AWIA Risk and Resilience Assessment &
Water System Hydraulic Model Update

HRC Job No. 20191260

Dear Mr. Fellrath:

Thank you for the opportunity to submit a proposal for professional engineering services to assist you with developing a Risk and Resilience Assessment (RRA) to comply with America's Water Infrastructure Act of 2018 (AWIA) and with updating your water system hydraulic model. Hubbell, Roth & Clark, Inc. (HRC) has wide-ranging experience assisting municipalities in all aspects of water supply system operation and management from planning to design and construction, water quality testing, hydrant flow testing, hydraulic modeling, regulatory reporting and preparation of vulnerability assessments (the precursor to the RRA), reliability studies, and water system general plans for state and federal regulatory agencies.

As you are aware, the AWIA requires communities to certify to the U.S. Environmental Protection Agency (EPA) that they have completed a risk and resilience assessment. The assessment is similar to the Vulnerability Assessment (VA) that was required as part of the Bioterrorism Preparedness Act of 2002, but where the Bioterrorism Preparedness Act was focused on acts of terrorism, the RRA requires consideration of both malevolent acts and natural hazards that could compromise continuity of service and places additional emphasis on the cybersecurity of process control systems, financial infrastructure (i.e. business/accounting systems), and associated automated systems.

For water supply systems like Plymouth Township that supply populations between 3,300 and 50,000, **the RRA must be certified as completed prior to June 30, 2021**. Additionally, within six months of submitting the certification for the RRA, utilities must certify development or updates to an Emergency Response Plan (ERP). Following certification, both reports must be updated every five (5) years per AWIA.

To better prepare the water system and analytical tools for the RRA, it is prudent to have an updated and calibrated hydraulic model. In addition, upcoming regulatory reporting will require the update to the water system hydraulic model. As such, it has been sensibly requested that an update to the hydraulic model be included with this proposal. Below are backgrounds, detailed overviews and task descriptions for the approach and completion of the RRA and hydraulic model update.

Risk & Resilience Assessment (RRA)

HRC has recently assisted both the Southeastern Oakland County Water Authority (SOCWA) and the City of Warren in completing AWIA compliant Risk and Resilience Assessments (RRA) for their water systems. Both clients certified completion by March 31, 2020, per the EPA deadline for communities serving more than 100,000 people. HRC has five (5) staff members that have all completed the American Water Works Association (AWWA), "Utility Risk and Resilience Certificate Program." This training, new in 2020, orients participants to the AWIA statutory requirements and demonstrates

how compliance can be facilitated through the proper application of the G430, J100 and other associated resources. Software such as the U.S. EPA's Vulnerability Self-Assessment Tool (VSAT Web 2.0) and AEM's PARRE program round out the HRC Risk Team's toolkit to perform and manage complex risk and resilience scenarios.

HRC proposes to utilize a combination of U.S. EPA's Vulnerability Self-Assessment Tool (VSAT Web 2.0) and AEM's PARRE software to conduct the RRA. We found from past experience that no one tool is comprehensive and we have gleaned parts of each in concert with the knowledge from our AWWA Utility Risk and Resilience certificate training to develop a methodology that is sensible and easy to follow while maintaining compliance with AWIA. HRC will break down the RRA into five (5) phases;

- 1) Identify Critical Assets and Threat Scenarios
- 2) Consequence, Vulnerability and Threat Likelihood Analyses
- 3) Baseline Risk and Resilience Analysis
- 4) Risk and Resilience Management
- 5) Certification

1. Identify Critical Assets and Threat Scenarios

The HRC Project Team will gather and review all relevant water system information including but not limited to; Reliability Study and General Plan, WAMP, past Vulnerability Assessments (this can be requested from the EPA), Emergency Response Plans and any system specific action plans. Also, we will provide the Township with a checklist from Section 5.2, Table 1 of G430, listing supporting documentation recommended for review as part of the RRA. This list will be used both to obtain relevant information and to identify any existing gaps to be addressed throughout the RRA process.

Next, we will set up a Kickoff Meeting to review the following;

- a) Mission and Goals of the RRA for the water system
- b) Critical Assets
- c) Potential Threats
- d) Threat-Asset Pairs

Defining the *mission and goals* of each Township's water supply system is essential to develop overall, actionable goals that define the mission of the system and determine which assets are critical to meeting the mission. Mission goals may include items such as meeting all regulatory requirements for water quality, maintaining adequate system pressures, providing sufficient volumes for fire protections, meet critical customer needs 100% of the time, etc.

The HRC Project Team will guide the Township's project team (to be jointly referred to as the RRA Team) through a review of system components and an initial rating based on potential human, financial, and economic impact. AWIA requires that, at a minimum, components considered include pipes, constructed conveyances, physical barriers, storage and distribution facilities, financial infrastructure (accounting/billing software) and electronic, computer, and other automated systems (e.g. SCADA, CMMS). The HRC Project Team will have developed a preliminary list of *critical assets* from our initial review and assets identified as critical in WAMPs. The RRA Team will review each category and identify mission-critical assets. *Critical assets* are then rated based on a prioritization level of potential human impact (loss of life or injury), potential financial impact, and potential regional economic impact to identify the most mission-critical assets for further analysis.

The HRC Project Team will separately conduct and document an initial review of all *potential threats* for full compliance with RRA procedures (the aforementioned J100 reference resource has a list of Reference Threats from which to review). Then the RRA Team will together review and discuss *potential threats* to the system following an all-hazards approach. An

all-hazards approach includes threats from malevolent acts, natural hazards, proximity hazards, and dependency hazards (such as electrical supply). Cyber security is a malevolent threat of particular and growing concern to water utilities. We anticipate identifying six to eight credible and significant *potential threats* to the system.

The HRC Project Team will develop a matrix of *threat-asset pairs* with a preliminary ranking of the level of concern. It is important to initially review a larger number of assets and threats from a variety of system perspectives so that potential risks are not overlooked. We anticipate initially having roughly 20-30 *threat-asset pairs* for preliminary review. However, it then is important to continually rank and performs “bottom cutting” – removing scenarios of low consequence, vulnerability, and likelihood from the process – so that the most significant assets, threats and therefore risks receive focused attention and resources for improvement. As a result of the preliminary ranking, we recommend moving forward with the highest rated 6 to 8 *threat-asset pairs* for further analysis in Phase 2. The U.S. EPA recommends focusing on a reasonable number of *threat-asset pairs* based on system-size to ensure attention to each scenario.

2. Consequence, Vulnerability and Threat Likelihood Analyses

The HRC Project Team will perform a preliminary analysis for all three risk factors for each of the threat-asset pairs carried forward from Phase 1. In this step, the HRC Risk Team will utilize the U.S. EPA’s Vulnerability Self-Assessment Tool (VSAT Web 2.0) and AEM’s PARRE software to calculate and organize scenarios efficiently. *Consequence* will be determined by estimating the worst reasonable results that can be caused by the specific threat against the asset, including loss of life, financial loss, and economic impact. We will estimate using the loss of revenue, potential loss of area business, and industry standard statistical values for life and injury. *Vulnerability* will be determined by analyzing the ability of each critical asset to withstand the associated threat, based on existing mitigation measures. For our preliminary vulnerability analysis, the HRC Project Team will review the highest-ranking sites to document the existing risk mitigation measures and potential vulnerabilities. Next, we will use a VSAT scoring method rating the utility’s ability to detect, delay and respond, or the utility’s preparation, active response and recovery, depending on the nature of the threat. (Later in Phase 2, further vulnerability calculation methods may be utilized for specific threat-asset pairs). *Likelihood* will be determined by estimating the likelihood or probability of the threat occurring. Tools such as historical occurrence and the U.S. EPA’s Baseline Information on Malevolent Acts for Community Water Systems will be used.

The HRC Project Team will forward the preliminary assessments for the 6 to 8 highest ranking threat-asset pairs. For each scenario, assumptions for consequence, vulnerability, and threat likelihood will be documented. We will request that the RRA Team review the preliminary assessments and come to a consensus of the four to six of the highest-ranking threat-asset scenarios. For these four to six threat-asset scenarios, further J100 analyses will be considered.

3. Baseline Risk and Resilience Analysis

Baseline risk assessments will be calculated and summarized for the highest ranked threat-asset pairs. Risk is calculated as the product of the calculated consequence, vulnerability, and threat likelihood. The HRC Project Team will tabulate and summarize the results of the Phase 2 analysis, calculating baseline risks for the threat-asset pairs. The four to six highest-rated threat-asset pairs, which likely include threat-asset pairs with additional in-depth Phase 2 vulnerability analysis, will be identified and summarized for risk and resilience management in Phase 4. The U.S. EPA recommends that ideally less than six threat-asset pair scenarios be analyzed fully in the RRA. The Core Team will consider grouping similar characterized assets and threats to receive the widest benefit from the analysis. However, the lowest ranking threat-asset pairs will be “weeded” during Phase 3 so that the RRA Team can efficiently apply its valuable time to focus on implementable countermeasures in Phase 4.

Resilience, as defined in the J100, is “the ability of an asset or system to withstand an attack or natural hazard without interruption of performing the asset or system’s function or, if the function is interrupted, to restore the function rapidly.” The HRC Project Team will provide the Township an analysis worksheet to evaluate the components of the Utility Resilience Index (URI). The URI is a standard in the J100 and is comprised of two categories of indicators, operational indicators, and financial indicators. Operational indicators, such as mutual aid and assistance agreements, critical parts and equipment, and critical staff resilience, reflect the tactical capacity of the utility to react and respond to operation disruptions. Financial indicators, such as bond rating, GASB 34 assessment, and median household income, reflect the fiscal capacity of the utility to react and respond to financial impacts. The HRC Project Team will be available to assist the Township in completing this worksheet as needed. Then, the HRC Project Team will use the indicator ratings to calculate the URI for each utility. Based on the results of the analysis, a composite URI for the combined system may be developed, or separate URIs will be considered for appropriate threat-asset scenarios or a combination.

4. Risk and Resilience Management

Potential mitigation measures will be identified by the HRC Project Team for the threat-asset pairs from Phase 3, building on the vulnerability analysis from Phase 2. Operation and management security practices will be reviewed following the G430 standard, primarily based on available documentation, as listed in Section 5.2 Table 1, to identify additional potential mitigation measures. Mitigation measures may include options such as additional security processes, employee training, site fencing, or large-scale capital improvements. Also, existing capital improvement plans will be utilized to look for opportunities to combine mitigation measures with already planned projects. Mitigation measures to be implemented together will be grouped into a mitigation portfolio, and the HRC Project Team will develop preliminary capital and operation and maintenance costs for each. Then, mitigation measures/portfolios will be assumed to be implemented, and the risk value will be re-calculated for each threat-asset pair. Risk reduction metrics will be calculated to evaluate the benefit of the mitigation or mitigation portfolio. Metrics for evaluation include the total gross benefit, net benefit, and net benefit-cost ratio. The resilience of a threat-asset pair or overall utility can also be re-calculated based on planned mitigation measures to evaluate the improvement to resilience. The HRC Project Team will identify preliminary prioritization and recommendations based on the initial mitigation analysis.

The RRA Team will meet to review the threat-asset pairs and preliminary mitigation measures. This review is a critical step for the RRA Team to evaluate acceptable risk together, brainstorm additional mitigation measures, and prioritize the implementation of mitigation measures. It is essential for the Township leadership to each have strong input and commitment to the results and improvements. The HRC Project Team will incorporate the RRA Team recommendations into a prioritized list of risk mitigation recommendations and finalize the Risk and Resilience Assessment report. At the conclusion of Phase 4, the RRA Team members will understand the resilience of the combined system, have a risk mitigation plan to implement, fulfill all RRA requirements of AWIA, and will be equipped for continuous improvement as a part of an ongoing commitment to security.

5. Certification & Project Closeout

The HRC Project Team will provide the Township with an example Certification letter utilized previously and accepted by the EPA. Township leadership must submit the certification letter to the EPA, this is not a task that HRC can do on the Township’s behalf. In addition, HRC will provide a final deliverable in an electronic format of all the complete forms and analyses that were derived from the RRA process. If the Township would like additional maps, plans, exhibits, analyses of system risk or resilience, or a formal report of the findings, HRC can provide additional vulnerability analyses and documentation upon request.

Water System Hydraulic Model Update

In 2011, HRC completed a comprehensive upgrade to the Township's existing hydraulic model to assist with operational difficulties involving the 5 Mile Road elevated storage tank. This upgrade included review of the model's boundary conditions (supply points, PRVs and booster stations), chronicling water main attributes (size, material, install year, etc.) and calibrating the model with hydrant flow testing. In 2012, HRC assisted the Township in constructing a booster station to improve the cycling of the elevated tank and flattening out the Township's peak demands which provided a water rate savings to the Township by lowering its peak demand factor. In 2014, HRC helped the Township complete an update to the Township's Water Reliability Study and General Plan, which included the review of water system demands and boundary conditions in the hydraulic model and the development of a Capital Improvement Plan (CIP). HRC continues to provide as-needed modeling for the Township.

In addition to work in the Charter Township of Plymouth, HRC has developed and regularly updates water system hydraulic models for numerous other communities in Southeast Michigan including but not limited to: Highland Township, Bloomfield Township, the Cities of Sterling Heights, Berkley, Ferndale, Pontiac, Rochester Hills, Troy, Grosse Pointe Farms, South Lyon, Wixom and Petoskey and the Village of Beverly Hills. Each of these systems possess a diverse range of facilities, configurations, demands and operational parameters, which has cultivated our knowledge and understanding of hydraulic modeling, water system operations and permitting and the regulatory requirements that accompany each.

The base tasks involved to update the water system hydraulic model are as follows:

1. Meetings
2. Update the Existing Conditions Computer Model
3. Hydrant Flow Testing
4. Model Calibration
5. Model Update Memo

Optional Tasks

6. Demand Allocation
7. Future System Improvements
8. Reliability Study & General Plan Update

1. Meetings

A project kickoff meeting will be conducted to review the scope of the project, any significant operational changes to the system and any field work that may need to be completed. HRC will provide monthly project updates via email to the project team as well as one (1) additional project meeting with Township staff to update the project progress, share interim results, confirm assumptions, and solicit input. We will coordinate these meetings through your office as needed.

2. Update the Existing Conditions Computer Model

In 2014, HRC updated the existing conditions hydraulic model of the Township's water distribution system to assist the Township with updating its Reliability Study. HRC proposes to review the water supply and consumption data since 2014, compare with the current model boundary conditions and update the model as necessary. Additionally, HRC will update the hydraulic model with the improvements to the distribution system that have been made since 2014. Lastly, HRC will communicate with Township operations personnel to review any changes in operation, pressure re-districting, internal pressure reductions, pressure fluctuations, break frequency/locations, resident complaints, etc. to uncover any trends that may be present in the system.

The review will include:

- Range of pressure and flow supply for average day, max day and peak hour demands since 2014 (WAMR).
- Update pressure reducing valve (PRV) summer/winter settings
- Review Township water consumption data since the last water model update (2014)
- Review top 20 water users, total, daily, and hourly flows if possible
- Update model information with new water main installed since 2014 – sizes, lengths, material and install year.
- Discussions with operations staff and other operational data.
- Review of the Township's adopted fire code for any changes that may impact previous recommendations.

The Township's current hydraulic model was developed in WaterCAD (also known as WaterGems). We will continue to utilize this software to update the Township's hydraulic model. HRC owns a license to this software for our use on this project.

3. Hydrant Flow Testing

HRC proposes to use two (2) on-site personnel to assist the Township with the hydrant flow testing. During the model calibration in 2011, HRC utilized 22 hydrant flow tests to calibrate the model. HRC is proposing to review the locations of these 22 hydrant flow tests and narrow it down to a minimum of 16 hydrant flow tests (or as many as can be completed in two full working days). Therefore, HRC is proposing to complete two (2) full days of hydrant flow testing (minimum of 16 hydrant flow tests) for model confirmation. HRC will develop a list of the hydrants proposed to be tested and will review with the Township. HRC personnel would be onsite to assist with coordinating the flow tests and collecting the necessary data (static pressures, residual pressures and flow rate) for use in the model calibration, however, it is requested that at least one (1) Township water systems staff member be present at all times during testing and be responsible for the operation of the hydrants.

Should the hydrant flow testing reveal disparities between the model and field conditions, additional model analysis and hydrant testing should be completed. The proposed scope to complete the additional analysis and testing will be discussed prior to any work being completed and can be negotiated at a later date.

4. Model Calibration

The Township's hydraulic model has not been calibrated since the 2011 model update. It is good practice to update the calibration of your hydraulic model as much as possible and is recommended to be completed at least every 10 years or after significant capital improvements or changes in water system operations.

Calibration is an important part of model development as it provides assurance and confidence that the hydraulic model is simulating actual field conditions. The Township's hydraulic model was calibrated in 2011 and HRC has archived the information gathered during that calibration effort so a full calibration may not be necessary. During that calibration 22 hydrant flow tests were completed, logged and reviewed before entering the flow test results into the model's calibration module. The model's calibration module will compare the hydrant flow test information to the model results under the same boundary conditions, review the demand allocation and boundary conditions and adjust the water main roughness coefficients to better simulate system operation.

5. Modeling Update Memo

HRC will provide a succinct memorandum describing a brief background of the modeling HRC has performed to date and the updates that were made to the model during this project. This memorandum will be written documentation only (i.e. no graphs, charts or maps) to memorialize the model parameters used and updates completed.

Optional Tasks

6. Demand Allocation

It is recommended that the demand allocation within the model be updated each time the hydraulic model is updated so that the spatial distribution of water demands is as accurate as possible. Demand allocation is one of the most important aspects of a hydraulic model as it provides the engine that runs the model analysis. The Township elected not to update the model's demand allocation during the 2011 model update, so the model is utilizing information entered from the model acquired from the previous user prior to the 2011 update. Model software sophistication is ever increasing, and the model is now able to utilize billing records to spatially distribute water use throughout the system to better simulate actual distribution system activity. This task is not included in the "base" proposal but will be included as an additional task to be completed upon authorization.

7. Develop Future System Improvements

In the event that insufficient flows and/or pressures are observed after completion of the updated hydraulic model as described in the previous tasks, the following is the scope of work to prioritize the necessary improvements to the water system based upon data provided from the hydraulic model indicating areas of insufficient capacity, pressure or available fire flow:

- Identify areas of low model predicted available fire flows
- Prioritize recommended improvements
- Develop exhibits to illustrate the recommended improvements
- Preliminary construction cost estimates for recommended improvements will be detailed in the WAMP

8. Water Model Training

It is our understanding that the Township is interested in self-performing basic water modeling tasks and has requested training to bring staff up to speed on the latest water modeling software and to conduct example model simulations on the Township's actual model. HRC is proposing 12 hours of training (assumed in three 4-hour sessions) and some basic standard operating procedure guides to assist in future model analysis. One (1) HRC staff member experienced in water modeling (specifically with the Township's water model) will visit the Township's office and provide the training for up to three (3) people.

SUMMARY

Our proposed Tasks and the estimated hours and fees to complete the Work described above have been identified in the attached (Table 1). As shown, we have budgeted 169 hours for a proposed not-to-exceed fee of \$17,920 for our Professional Engineering Services for the Risk & Resilience Assessment and 175 hours for a proposed not-to-exceed fee of \$18,830 for our Professional Engineering Services for the base tasks to complete the update to the hydraulic model. The costs would be invoiced monthly on an hourly basis as the work progresses. All work would be completed under the terms

and conditions of our Agreement for Professional Engineering Services. Please note that the hydrant flow testing and model calibration tasks, while valuable, do take a considerable amount of time to complete. HRC may be able to work with the Township to reduce these costs should the Township be able to self-conduct the hydrant testing, recording the required inputs needed for model calibration.

Michael MacDonald, P.E., Vice President will be the Principal In-Charge. We are proposing to utilize Bradley Shepler, P.E., CCCA, LEED AP as the Project Manager. Other key team members include Nicole Selais, Project Analyst, Beth Clarke, P.E., Project Engineer and Maria Corona, EIT, Staff Engineer as specialists in water distribution systems. All four members are familiar with this project and have extensive experience with the municipal water systems in the area. We believe you are familiar with all of these individuals but can provide detailed resumes upon request.

It is recommended that the hydraulic model update proceed first, and it will be used to complete the RRA. We are prepared to begin immediately upon your authorization to proceed and propose to complete data gathering and model updating as soon as possible. We recommend that the hydrant flow testing be pushed until State and local executive orders are removed and all parties agree that it is safe to proceed with the Work. We endeavor to complete the hydraulic model update within 2 to 3 months upon gathering all the hydrant flow test data needed. The RRA would be completed within 4 to 6 weeks of the hydraulic model update.

If you have any questions regarding this proposal, please contact the undersigned. Should you concur with this proposal, please sign below to serve as our authorization to proceed. Once again, we thank you for this opportunity and look forward to our continued services to Plymouth Township.

Very truly yours,

HUBBELL, ROTH & CLARK, INC.



Michael MacDonald, P.E.
Vice President



Bradley Shepler, P.E., CCCA, LEED AP
Associate

pc: HRC; N. Selais, B. Clarke, M. Corona, File

Approved by:
CHARTER TOWNSHIP OF PLYMOUTH

Patrick Fellrath, P.E., Director of Public Services

Date: _____

**PLYMOUTH TOWNSHIP
PROFESSIONAL ENGINEERING SERVICES FOR
AWIA RISK AND RESILIENCE ASSESSMENT &
WATER SYSTEM HYDRAULIC MODEL UPDATE**

**TABLE 1
ESTIMATED HOURS AND FEES**

June 15, 2020

HRC Job No.

20191260

Task Description	Rate Classification & Estimated Hours					Total Hours
	Principal	Associate/ Managing Engineer	Project Analyst	Project Engineer	Staff Engineer	
RISK AND RESILIENCE ASSESSMENT						
1 RRA Team Meetings (2 meetings)	4	6	6	-	12	28
2 Review Relevant Background Information	-	1	4	2	12	19
3 Identify Critical Assets and Threat Scenarios	-	1	4	2	8	15
4 Consequence, Vulnerability, and Threat Likelihood Analyses	-	1	4	2	8	15
5 Baseline Risk and Resilience Analysis	-	4	8	4	8	24
6 Risk and Resilience Management	2	6	12	6	16	42
7 Report Preparation	-	2	4	4	16	26
RRA PROPOSAL TOTAL	6	21	42	20	80	169
WATER SYSTEM HYDRAULIC MODEL UPDATE						
1 Meetings (assumed 2 meetings)	2	8	8	-	8	26
2 Update the Existing Conditions Computer Model	-	4	4	4	16	28
3 Hydrant Flow Testing (1)	-	4	4	24	24	56
4 Model Calibration	-	4	8	-	24	36
5 Model Update Memo	1	4	8	-	16	29
MODEL UPDATE BASE PROPOSAL TOTAL	3	24	32	28	88	175
OPTIONAL TASKS						
6 Demand Allocation	-	4	24	-	24	52
7 Future System Improvements	-	4	16	8	16	44
8 Water Model Training	-	2	18	-	12	32

Notes:

1) Includes two (2) days of a two-person hydrant testing team

ESTIMATED FEE SUMMARY (RRA PROPOSAL)

PERSONNEL	HOURS	RATE	TOTAL
Principal	6	No Charge Consult	
Associate/Managing Engineer	21	\$145.00	\$ 3,050.00
Project Analyst	42	\$121.80	\$ 5,120.00
Project Engineer	20	\$121.80	\$ 2,440.00
Staff Engineer	80	\$91.35	\$ 7,310.00

TOTAL LUMP SUM NOT-TO-EXCEED \$ 17,920.00

ESTIMATED FEE SUMMARY (MODEL UPDATE BASE PROPOSAL)

PERSONNEL	HOURS	RATE	TOTAL
Principal	3	No Charge Consult	
Associate/Managing Engineer	24	\$ 145.00	\$ 3,480.00
Project Analyst	32	\$ 121.80	\$ 3,900.00
Project Engineer	28	\$ 121.80	\$ 3,410.00
Staff Engineer	88	\$ 91.35	\$ 8,040.00

TOTAL LUMP SUM NOT-TO-EXCEED \$ 18,830.00

OPTIONAL TASK FEE ESTIMATE

TASK	TOTAL
Demand Allocation	\$ 5,700.00
Future System Improvements	\$ 4,960.00
Water Model Training	\$ 3,580.00



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

<p><u>ITEM:</u> Annual Wayne County Road Permit Applications</p>

PRESENTER: Patrick J. Fellrath, Director of Public Services
Kevin L. Bennett, Township Attorney

BACKGROUND:

Wayne County requires annual permits for municipalities to restore, sweep, maintain, and/or engage in special events on county-owned roads. The proposed permits submitted by Wayne County have conflicting provisions that arguably require the Township to indemnify the County for the County's own negligence. Under law, the Township may not indemnify and hold harmless the County for the County's negligence and tortious acts and omissions.

ACTION REQUESTED:

Approve subject to reservation of right to challenge indemnification provisions in permit documents.

BUDGET/ACCOUNT NUMBER: N/A

RECOMMENDATION:

<p><u>MODEL RESOLUTION:</u></p>
--

<p>I move to approve Resolution 2020-06-23-60 authorizing execution of the Annual Maintenance Permit, Annual Pavement Restoration Permit, Annual Street Sweeping Permit, and Annual Special Events Permit with Wayne County to allow the Township to work within the Wayne County Road Right-of-Ways with the inclusion of a cover letter reserving the Township's right to challenge the indemnification provisions as beyond the authority of the Township.</p>
--

ATTACHMENTS: Proposed Wayne County Annual Maintenance Permit, Annual Pavement Restoration Permit, Annual Street Sweeping Permit, and Annual Permit for Special Events; proposed cover letter from Township general counsel reserving the right to challenge the validity of the indemnification provisions in each permit.

**MODEL COMMUNITY RESOLUTION
AUTHORIZING EXECUTION OF
WAYNE COUNTY PERMITS**

Resolution No. 2020-06-23-60

At a Regular Meeting of the Board of Trustees Charter Township of Plymouth (Name of Community Governing Board) on June 23, 2020 (date), the following resolution was offered:

WHEREAS, the Charter Township of Plymouth (hereinafter the "Community") periodically applies to the County of Wayne Department of Public Services, Engineering Division Permit Office (hereinafter the "County") for permits to conduct emergency repairs, annual maintenance work, and for other purposes on local and County roads located entirely within the boundaries of the Community, as needed from time to time to maintain the roads in a condition reasonably safe and convenient for public travel;

WHEREAS, pursuant to Act 51 of 1951, being MCL 247.651 *et seq.*, the County permits and regulates such activities noted above and related temporary road closures;

NOW THEREFORE, BE IT RESOLVED, in consideration of the County granting such permit (hereinafter the "Permit"), the Community agrees and resolves that:

Any work performed for the Community by a contractor or subcontractor will be solely as a contractor for the Community and not as a contractor or agent of the County. Any claims by any contractor or subcontractor will be the sole responsibility of the Community. The County shall not be subject to any obligations or liabilities by vendors and contractors of the Community, or their subcontractors.

The Community shall take no unlawful action or conduct, which arises either directly or indirectly out of its obligations, responsibilities, and duties under the Permit which results in claims being asserted against or judgment being imposed against the County, and all officers, agents and employees thereof pursuant to a maintenance contract. In the event that same occurs, for the purposes of the Permit, it will be considered a breach of the Permit thereby giving the County a right to seek and obtain any necessary relief or remedy, including, but not by way of limitation, a judgment for money damages.

With respect to any activities authorized by Permit, when the Community requires insurance on its own or its contractor's behalf, it shall also require that such policy include as named insured the County of Wayne and all officers, agents and employees thereof.

The incorporation by the County of this Resolution as part of a permit does not prevent the County from requiring additional performance security or insurance before issuance of a Permit.

This Resolution stipulates that the requesting Community shall, at no expense to Wayne County, provide necessary police supervision, establish detours and post all necessary

signs and other traffic control devices in accordance with the Michigan Manual of Uniform Traffic Control Devices.

This Resolution stipulates that the requesting Community shall assume full responsibility for the cost of repairing damage done to the County road during the period of road closure or partial closure.

This Resolution shall continue in force from the date of execution until cancelled by the Community or the County with no less than thirty (30) days prior written notice to the other party. It will not be cancelled or otherwise terminated by the Community with regard to any Permit which has already been issued or activity which has already been undertaken.

The Community stipulates that it agrees to the terms of the County of Wayne permit at the time a permit is signed by the Community's authorized representative.

BE IT FURTHER RESOLVED, that the following individual(s) is/are authorized in their official capacity as the Community's authorized representative to sign and so bind the Community to the provisions of any and all permits applied for to the County of Wayne, Department of Public Services Engineering Division Permit Office for necessary permits from time to time to work within County road right-of-way or local roads on behalf of the Community.

Name	Title
Kurt Heise	Township Supervisor
Patrick Fellrath	Director of Public Services

I HEREBY CERTIFY that the foregoing is a true and correct copy of a resolution adopted by the [Board of Trustees/City Council] of the Charter Township of Plymouth (name of Community), County of Wayne, Michigan, on June 23, 2020.

#305299-v2

Moved by: _____ Seconded by: _____

ROLL CALL:

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

HEMMING, POLACZYK, CRONIN,
WITTHOFF, BENNETT & DEMOPOULOS, P.C.

Counselors at Law
217 West Ann Arbor Road
Suite 302
Plymouth, Michigan 48170

KEVIN L. BENNETT

(734) 453-7877
FAX (734) 453-1108

kbennett@hpcswb.com

June 15, 2020

Wayne County Department of Public Services Permit Office
Attn: Ms. Randa Saghir
33809 Michigan Avenue
Wayne, MI 48184

**Re: Charter Township of Plymouth
Annual Permits**

Dear Ms. Saghir:

Be advised that this office is general counsel for the Charter Township of Plymouth. Your office has provided the Annual Maintenance Permit Packages for the Annual Maintenance Permit, Annual Pavement Restoration Permit, Annual Special Events Permit, and Annual Street Sweeping Permit to the Charter Township of Plymouth for the 2020 calendar year.

As part of the Permit Packages for the Annual Maintenance Permit and Annual Pavement Restoration Permit, Wayne County included documents titled "Indemnity and Insurance Attachment" and "Conditions and Limitations of Permits." The "Conditions and Limitations of Permits" contains the following language:

To the extent allowed by law, the Municipality as Permit Holder shall hold harmless and defend Wayne County, its Department of Public Services, its officials and employees, for the Municipality's own negligence, tortious acts, errors, or omissions, and the acts, errors, or omissions of any of its employees, on account of injury to persons or damage to property, including property of the County, arising out of any and all work performed under the permit, or in connection with work not authorized by the permit, or resulting from failure to comply with the terms of the permit or arising out of the continued existence of work product that is the subject of the permit. Sub-section 1 above applies to

contractors, subcontractors, consultants, or agents of the Municipality. This hold harmless provision must not be construed as a waiver of any governmental immunity by the County or the Municipality's [sic], as provided by statute or modified by court decisions.

With respect to the "Indemnity and Insurance Attachment" of the Annual Maintenance and Pavement Restoration Permits, such attachment purportedly requires that its permit holder hold harmless and indemnify Wayne County:

To the extent allowed by law, the Permit Holder shall defend and hold harmless Wayne County, the Department of Public Services, its officials and employees against any and all claims, suits and judgments to which Wayne County, the Departments, its officials and employees may be subject and for all costs and actual attorney fees which may be incurred on account of injury to persons or damage to property, including County property. The Permit Holder shall provide this indemnity for any incident arising out of any and all activities performed under the permit or in connection with work not authorized by the permit, or resulting from the failure to comply with the terms of the permit, or arising out of the continued existence of the work product that is subject to the permit.

To the extent that the cited provisions constitute attempt by the County to require the Charter Township of Plymouth to indemnify the County for the Wayne County's own negligence, such attempt is improper and prohibited on a variety of grounds including the following:

- The County's demand that it be provided indemnification with respect to the County's own negligence is ultra vires.
- The County's refusal to issue a permit unless the County is provided with indemnification and insurance for the County's own negligence is contrary to MCL.224.19b(4).
- The demand that the County be indemnified and insured against its own negligence does not meet the criteria of a reasonable permit requirement that is within the authority of a county road commission under MCL 224.19b(2).
- The County's demand that it be indemnified against its own negligence is contrary to Michigan public policy as expressed in MCL 600.2956 and *Kaiser v Allen*, 481 Mich 31, 37; 746 NW2d 92 (2008), each of which specify that each party is liable only for the portion of damages that reflects that party's negligence only and that one party will not be held liable for the negligence of the other party.

Further, with respect to municipalities, the referenced portion of the titled "Indemnity and Insurance Attachment" appears to conflict with the terms of the "Conditions and Limitations of Permits." The "Conditions and Limitations of Permits" properly distinguishes municipalities from private entities with respect to indemnification, as it only requires the Township to indemnify the County against the Township's own negligence and/or tortious acts and omissions. Such provision is more specific than the provision in the "Indemnity and Insurance Attachment," and would therefore appear to control in the event of a conflict between such provisions.

Additionally, to the extent that the "Conditions and Limitations of Permits" (which again was included as part of all four Annual Permit packages), purports to require the Township to indemnify the County for the County's own negligence, the Township disputes the validity of such requirement.

Finally, the Township does not have the authority to enter into an indemnification agreement because it would be an unlawful loan of credit. In *Solomon v Department of State Highways & Transp*, 131 Mich App 479; 345 NW2d 717 (1984), the court of appeals held that the credit of the state (and by extension its municipalities) cannot be used as a guarantee or surety in favor of any person, association, or corporation, public or private. Further, in *Michigan Mun Liability & Prop Pool v Muskegon County Bd of County Rd Comm'rs*, 235 Mich App 183; 597 NW2d 187 (1999), the court similarly held that the road commission did not have the authority to enter into an agreement to indemnify a city and its engineer. As such, the Charter Township of Plymouth may not indemnify another entity.

This letter will confirm that the Charter Township of Plymouth disagrees with any provisions purporting to require the Township to maintain insurance and to indemnification the County for the County's own negligence. The signature(s) on behalf of the Charter Township of Plymouth on the required Annual Permits and associated documents does not signify an agreement with such insurance or indemnification requirements. The Charter Township of Plymouth reserves the right to challenge any insurance and indemnification provisions to the extent that they do not comport with applicable law.

Respectfully,

A handwritten signature in black ink, appearing to read "Kevin L. Bennett", written in a cursive style.

Kevin L. Bennett

cc: Kurt Heise, Supervisor
Patrick Fellrath, Director of Public Utilities

PERMIT OFFICE

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

72 HOURS BEFORE ANY
CONSTRUCTION. CALL
Various Staff
(734) 595-6504, Ext: 2009
FOR INSPECTION



**WAYNE COUNTY
DEPARTMENT OF PUBLIC SERVICES**

PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN

PERMIT No.

A-20042

ISSUE DATE

1/1/2020

EXPIRES

12/31/2020

REVIEW No.

WORK ORDER

78621

PROJECT NAME
PLYMOUTH TWP. - MAINTENANCE

LOCATION
VARIOUS ROADS ()

CITY/TWP
PLYMOUTH TWP

PERMIT HOLDER
CHARTER TOWNSHIP OF PLYMOUTH
9955 N. HAGGERTY ROAD
PLYMOUTH, MI 48170

CONTRACTOR

CONTACT
KURT HEISE (734) 354-3200

CONTACT
JOHN HEAVEY (734) 427-3615

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

TO OCCUPY THE RIGHT-OF-WAY OF COUNTY ROADS FOR THE BELOW ACTIVITIES:

1. SANITARY SEWER INSPECTION, REPAIR AND ROUTINE MAINTENANCE.
2. WATERMAIN INSPECTION, REPAIR AND ROUTINE MAINTENANCE.
3. DUST PALLATIVE, CALCIUM & SALT APPLICATIONS.
4. SIDEWALK REPAIR AND REPLACEMENT.
5. TO PERFORM STREET SWEEPING OPERATIONS DURING DAYLIGHT HOURS ONLY.

REFER TO ATTACHMENTS REFERENCED BELOW FOR ANNUAL PERMIT REQUIREMENTS AND CONDITIONS. ALL ATTACHMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS PERMIT.

PAVEMENT REPAIRS REQUIRE A SEPARATE PERMIT AND ARE NOT TO BE COMPLETED UNDER THE TERMS OF THIS ANNUAL PERMIT.

PERMIT HOLDER AGREES TO SUBMIT MONTHLY REPORTS OF WORK PERFORMED UNDER THIS PERMIT. (FAX: 734.595.6356)

ALL ACTUAL INSPECTION COSTS, INCLUDING OVERTIME, SUPERVISION, TESTING OF MATERIAL AND EMERGENCY WORK, IF REQUIRED, SHALL BE BILLED.

FINANCIAL SUMMARY		DEPOSITOR	APPROVED PLANS PREPARED BY
PERMIT FEE	\$0.00		PLANS APPROVED BY
PLAN REVIEW FEE	\$0.00		
PARK FEE	\$0.00		1/1/2020
OTHER FEE	\$0.00		
BOND	\$0.00		
INSPECTION DEPOSIT	\$0.00	LETTER OF CREDIT DEPOSITOR	REQUIRED ATTACHMENTS
OTHER BOND	\$0.00		GENERAL CONDITIONS
TOTAL COSTS	\$0.00		SCOPE OF WORK AND CONDITIONS FOR MUNICIPAL MAINTENANCE PERMITS
TOTAL CHECK AMOUNT			INDEMNITY AND INSURANCE ATTACHMENT
			SAMPLE COMMUNITY RESOLUTION
			RULES, SPECIFICATIONS AND PROCEDURES FOR PERMIT CONSTRUCTION - AVAILABLE ONLINE AT
			www.waynecounty.com/dps_engineering_cpoffice.htm
CASHIER	DATE		
	1/1/2020		

(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

KURT HEISE
PERMIT HOLDER / AUTHORIZED AGENT

DATE

PREPARED BY

JOHN HEAVEY
CONTRACTOR / AUTHORIZED AGENT

DATE

VALIDATED BY

DATE

PERMIT No.

A-20097

ISSUE DATE

1/1/2020

EXPIRES

12/31/2020

REVIEW No.

WORK ORDER

79337

**WAYNE COUNTY
DEPARTMENT OF PUBLIC SERVICES**

PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN

PERMIT OFFICE 33809 MICHIGAN AVE WAYNE, MI 48184, PHONE (734) 595-6504 FAX (734) 595-6356
72 HOURS BEFORE ANY CONSTRUCTION. CALL Various Staff (734) 595-6504, Ext: 2009 FOR INSPECTION

PROJECT NAME
PLYMOUTH TWP - PAVEMENT RESTORATION

LOCATION
VARIOUS

CITY/TWP
PLYMOUTH TWP

PERMIT HOLDER
CHARTER TOWNSHIP OF PLYMOUTH
9955 N. HAGGERTY ROAD
PLYMOUTH, MI 48170

CONTRACTOR

CONTACT
KURT HEISE (734) 354-3200

CONTACT
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DESCRIPTION OF PERMITTED ACTIVITY (72 HOURS BEFORE YOU DIG, CALL MISS DIG 1-800-482-7161, www.missdig.org)

TO REPLACE AND REPAIR PAVEMENT CUTS DUE TO UTILITY REPAIRS WITHIN THE RIGHT-OF-WAY OF VARIOUS ROADS IN WAYNE COUNTY IN ACCORDANCE WITH THE WAYNE COUNTY RULES, SPECIFICATIONS AND PROCEDURES MANUAL & WAYNE COUNTY STANDARD PLANS FOR PERMIT CONSTRUCTION.

AT LEAST 72 HOURS PRIOR TO CONSTRUCTION, THE PERMIT HOLDER SHALL SUBMIT WRITTEN NOTICE OF CONSTRUCTION, INCLUDING THE LOCATION AND DATE OF THE WORK ALONG WITH CONSTRUCTION PLANS TO THE PERMIT OFFICE FOR APPROVAL.

THE FINAL AREA OF ANY PAVEMENT TO BE REPLACED AND/OR OVERLAID SHALL BE DETERMINED AND MARKED OUT BY THE COUNTY.

FOR EACH PROJECT, ALL ACTUAL PLAN REVIEW AND INSPECTION COSTS, INCLUDING OVERTIME, SUPERVISION, TESTING OF MATERIALS AND EMERGENCY WORK, IF REQUIRED, SHALL BE BILLED TO THE PERMIT HOLDER ON A MONTHLY BASIS.

ANY ROAD CLOSURE SHALL BE IN COMPLIANCE WITH THE MICHIGAN MANUAL OF TRAFFIC CONTROL DEVICES.
[HTTP://MUTCD.FHWA.DOT.GOV](http://MUTCD.FHWA.DOT.GOV)

THE ATTACHMENTS LISTED BELOW ARE INCORPORATED BY REFERENCE AS PART OF THE CONDITIONS OF THIS PERMIT.

FINANCIAL SUMMARY PERMIT FEE \$0.00 PLAN REVIEW FEE \$0.00 PARK FEE \$0.00 OTHER FEE \$0.00 BOND \$0.00 INSPECTION DEPOSIT \$0.00 OTHER BOND \$0.00 TOTAL COSTS \$0.00	DEPOSITOR LETTER OF CREDIT DEPOSITOR	APPROVED PLANS PREPARED BY PLANS APPROVED BY DATE PLANS APPROVED 1/1/2020 REQUIRED ATTACHMENTS GENERAL CONDITIONS INDEMNITY AND INSURANCE ATTACHMENT RULES, SPECIFICATIONS AND PROCEDURES FOR PERMIT CONSTRUCTION - AVAILABLE ONLINE AT www.waynecounty.com/dps_engineering_cpoffice.htm
TOTAL CHECK AMOUNT \$0.00 CASHIER DATE 1/1/2020		(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

KURT HEISE
PERMIT HOLDER / AUTHORIZED AGENT

DATE

PREPARED BY

<BLANK>
CONTRACTOR / AUTHORIZED AGENT

DATE

VALIDATED BY

DATE

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

72 HOURS BEFORE ANY
CONSTRUCTION. CALL
Various Staff
(734) 595-6504, Ext: 2009
FOR INSPECTION



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

PERMIT No.

A-20087

ISSUE DATE

1/1/2020

EXPIRES

12/31/2020

REVIEW No.

WORK ORDER

PROJECT NAME
PLYMOUTH TWP. - SPECIAL EVENTS

LOCATION

VARIOUS

CITY/TWP

PLYMOUTH TWP

PERMIT HOLDER

PLYMOUTH TOWNSHIP
9955 N. HAGGERTY ROAD
PLYMOUTH TWP, MI 481704673

CONTRACTOR

CONTACT

KURT HEISE

(734) 354-3200

CONTACT

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DESCRIPTION OF PERMITTED ACTIVITY

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

TO ALLOW TEMPORARY CLOSURE OF CERTAIN LOCAL AND COUNTY ROADS FOR A SPECIFIED PERIOD OF TIME IN ACCORDANCE WITH ALL GENERAL AND SPECIAL CONDITIONS OF THIS PERMIT.

REFER TO ATTACHEMENT: ANNUAL SPECIAL EVENTS PERMIT FOR MUNICIPALITIES TO CONDUCT PARADES, BLOCK PARTIES, MARATHONS, CELEBRATIONS AND FESTIVALS.

PERMIT TO INSTALL BANNERS WITHIN THE COUNTY ROAD RIGHT-OF-WAY.
PLEASE REFER TO ATTACHMENT: ANNUAL PERMIT FOR MUNICIPAL BANNERS

PERMIT HOLDER SHOULD CONTACT/INFORM THE LOCAL POLICE, HOSPITAL, FIRE MARSHAL, SCHOOL AND ANY OTHER LOCAL AGENCIES ARE/MAY BE AFFECTED BY THIS ROAD CLOSURE THREE (3) BUSINESS DAYS PRIOR TO SCHEDULED CLOSURE.

THE PERMIT HOLDER SHOULD CONTACT THE WAYNE COUNTY TRAFFIC OFFICE AT (734) 955-2154 THREE (3) WORKING DAYS PRIOR TO ANY CLOSURE.

THE CONTRACTOR/PERMIT HOLDER WILL SET UP AND MAINTAIN ALL BARRICADING AND SIGNS IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ([HTTP://MUTCD.FHWA.DOT.GOV](http://MUTCD.FHWA.DOT.GOV)) AND WILL BE THE RESPONSIBILITY OF THE PERMIT HOLDER.

ALL ATTACHMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS PERMIT.

FINANCIAL SUMMARY		DEPOSITOR	APPROVED PLANS PREPARED BY
PERMIT FEE	\$0.00		PLANS APPROVED BY
PLAN REVIEW FEE	\$0.00		DATE PLANS APPROVED
PARK FEE	\$0.00		1/1/2020
OTHER FEE	\$0.00		
BOND	\$0.00		
INSPECTION DEPOSIT	\$0.00	LETTER OF CREDIT DEPOSITOR	REQUIRED ATTACHMENTS
OTHER BOND	\$0.00		GENERAL CONDITIONS
TOTAL COSTS	\$0.00		ANNUAL ROAD SPECIAL EVENTS FOR MUNICIPALITIES
			ANNUAL BANNER PERMIT ATTACHMENT FOR MUNICIPALITIES
			SAMPLE COMMUNITY RESOLUTION
			RULES, SPECIFICATIONS AND PROCEDURES FOR PERMIT CONSTRUCTION - AVAILABLE ONLINE AT
			www.waynecounty.com/dps_engineering_cpoffice.htm
TOTAL CHECK AMOUNT	\$0.00		
CASHIER	DATE		
	1/1/2020		

(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

KURT HEISE
PERMIT HOLDER / AUTHORIZED AGENT

DATE

PREPARED BY

<BLANK>
CONTRACTOR / AUTHORIZED AGENT

DATE

VALIDATED BY

DATE

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

72 HOURS BEFORE ANY
CONSTRUCTION, CALL
Various Staff
(734) 595-6504, Ext: 2009
FOR INSPECTION



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

PERMIT No.

A-20090

ISSUE DATE

1/1/2020

EXPIRES

12/31/2020

REVIEW No.

WORK ORDER

79609

PROJECT NAME

PLYMOUTH TWP - STREET SWEEPING

LOCATION

VARIOUS ROADS ()

CITY/TWP

PLYMOUTH TWP

PERMIT HOLDER

CHARTER TOWNSHIP OF PLYMOUTH
9955 N. HAGGERTY ROAD
PLYMOUTH, MI 48170

CONTRACTOR

CONTACT

KURT HEISE**(734) 354-3200**

CONTACT

<BLANK>

DESCRIPTION OF PERMITTED ACTIVITY

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

TO PERFORM STREET SWEEPING OPERATIONS WITHIN THE R.O.W. OF ROADS UNDER THE JURISDICITON OF WAYNE COUNTY DURING DAYLIGHT HOURS ONLY.

THE ATTACHMENTS LISTED BELOW ARE INCORPORATED BY REFERENCE AS PART OF THIS PERMIT.

FINANCIAL SUMMARY		DEPOSITOR	APPROVED PLANS PREPARED BY
PERMIT FEE	\$0.00		PLANS APPROVED BY DATE PLANS APPROVED
PLAN REVIEW FEE	\$0.00		
PARK FEE	\$0.00		1/1/2020
OTHER FEE	\$0.00		
BOND	\$0.00	LETTER OF CREDIT DEPOSITOR	REQUIRED ATTACHMENTS
INSPECTION DEPOSIT	\$0.00		GENERAL CONDITIONS
OTHER BOND	\$0.00		RULES, SPECIFICATIONS AND PROCEDURES
TOTAL COSTS	\$0.00		FOR PERMIT CONSTRUCTION - AVAILABLE
TOTAL CHECK AMOUNT \$0.00			ONLINE AT
CASHIER	DATE		www.waynecounty.com/dps_engineering_cpoffice.htm
	1/1/2020		

(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

KURT HEISE
PERMIT HOLDER / AUTHORIZED AGENT

DATE

PREPARED BY

<BLANK>
CONTRACTOR / AUTHORIZED AGENT

DATE

VALIDATED BY

DATE



Wayne County Department of Public Services Engineering Division – Permit Office

Conditions & Limitations of Permits

Plan Approval and Specifications: All work performed under the permit shall be done in accordance with the approved plans, specifications, maps, statements and special conditions filed with the County and shall comply with Wayne County Specifications, as defined in the current Wayne County Rules, Specifications and Procedures for Permit Construction, included as an attachment to this permit, the Wayne County Standard Plans for Permit Construction, and the MDOT Standard Specifications For Construction, as modified by WCDPS Special Provisions, and other WCDPS specifications. Any situation or problem which occurs as a result of the construction, operation, use and/or maintenance of the facility in the right-of-way and is not covered by the approved plans nor by the County's current Standards and Specifications shall be resolved by the Permit Holder as directed and approved by the Permit Office. Any significant change to the plans must be approved by the Permit Office and is authorized only when an approved addendum is obtained from the Permit Office.

Fees: The Permit Holder shall be responsible for all fees and costs incurred by the County in connection with the permit and shall deposit payment for fees and costs as determined by the County at the time the permit is issued.

Bond: The Permit Holder shall furnish a bond in cash or Certified check in an amount acceptable to the County to guarantee performance under the conditions of the permit. The County may use all or any portion of the bond which shall be necessary to cover any expense, including inspection costs or damage incurred by the County through the granting of the permit. Should the bond be insufficient to cover the expenses and damages incurred by the County, the Permit Holder shall pay such deficiency upon billing by the County. If the bond amount exceeds the expenses and damages incurred by the County, the excess portion will be returned to the Depositor. The excess performance bond provided for herein, when it cannot be returned, shall be deposited into the County Road Fund and become a part thereof, unless claimed by the Depositor within one year of the date of satisfactory completion of the construction authorized by the permit.

Insurance: The Permit Holder shall furnish proof of liability and property damage insurance in the form and amounts acceptable to the County with Wayne County named as an insured party. The Permit Holder shall maintain this insurance until the permit is released, revoked or cancelled by the County.

Indemnification / Hold Harmless: Sub-Section 1 herein applies to all Permit Holders except Municipalities, Sub-Section 2 herein applies to Municipalities only.

1. To the extent allowed by law, the Permit Holder shall indemnify, hold harmless and defend Wayne County, its Department of Public Services, its officials and employees against any and all claims, suits and judgments to which the County, the Department, its officials and employees may be subject and for all costs and actual attorney fees which may be incurred on account of injury to persons or damage to property, including property of the County, whether due to negligence of the Permit Holder or to the joint negligence of the Permit Holder and the County, arising out of any and all work performed under the permit, or in connection with work not authorized by the permit, or resulting from failure to comply with the terms of the permit or arising out of the continued existence of the work product that is the subject of the permit. This hold harmless provision must not be construed as a waiver of any governmental immunity by the County.
2. To the extent allowed by law, the Municipality as Permit Holder shall hold harmless and defend Wayne County, its Department of Public Services, its officials and employees, for the Municipality's own negligence, tortious acts, errors, or omissions, and the acts, errors, or omissions of any of its employees, on account of injury to persons or damage to property, including property of the County, arising out of any and all work performed under the permit, or in connection with work not authorized by the permit, or resulting from failure to comply with the terms of the permit or arising out of the continued existence of work product that is the subject of the permit. Sub-section 1 above applies to contractors, subcontractors, consultants, or agents of the Municipality. This hold harmless provision must not be construed as a waiver of any governmental immunity by the County or the Municipality's, as provided by statute or modified by court decisions.

Permit on Site: The Permit Holder shall keep available a copy of the permit and any associated approved plans on site during permitted activities.

Notification for Start and Completion of Work: The permit shall not become operative until it has been fully executed by the County. The Permit Holder shall notify the County before starting construction and shall notify the County when work is completed. The Permit Holder or their representative shall have copies of the executed permit and approved plans in their possession on the job site at all times.

1. The Permit Holder shall provide at least three (3) days advanced notice, excluding Saturdays, Sundays and holidays, to the Permit Office prior to the commencement of any permitted activities by submitting a START OF WORK NOTIFICATION form by mail, fax or e-mail. In certain instances, additional notice may be required by the Permit Office. In the event that construction work ceases for a period of time, then the Permit Holder shall notify the Wayne County Inspector at least 24 hours prior to resuming work.
2. The Permit Holder shall comply with all requirements of the Miss Dig Statute, MCL §460.701 et seq., as amended. The Permit Holder shall call "MISS DIG", at (800) 482-7161, at least 72 hours, excluding Saturdays, Sundays and holidays, but not more than twenty-one (21) calendar days, before starting any underground work. The Permit Holder assumes all responsibility for damage to or interruption of underground utilities.
3. The Permit Holder shall call Wayne County Department of Public Services' Traffic Operations Office at (734) 955-2154, at least 72 hours prior, excluding Saturdays, Sundays and holidays, but not more than twenty-one (21) calendar days, before starting any underground work in the vicinity of any traffic signal equipment owned, operated or maintained by Wayne County.

Safety: The Permit Holder agrees that all work under the permit shall be performed in a safe manner and to keep the area affected by the permit in a safe condition until the work is completed and accepted by the County. The Permit Holder shall furnish, install and maintain all necessary traffic controls and protection which are in accordance with the current Manual on Uniform Traffic Control Devices (MUTCD). The Permit Holder shall conduct all activities and maintain all facilities as set forth in the permit in a manner so as not to damage, impair, interfere with, or obstruct a public road or create a foreseeable risk of harm to the traveling public. The Permit Holder shall comply with all applicable OSHA and MIOSHA requirements.

Underground Utilities: The Permit Holder shall contact all utility owners regarding their facilities prior to starting work and shall comply with all applicable provisions of Act 53, Public Acts of 1974, as amended. Wayne County makes no warranty either expressed or implied as to the condition or suitability of subsurface conditions or any existing facility which may be encountered during an excavation. The presence or absence of utilities is based on the best information available and the County is not responsible for the accuracy of this information. The Permit Holder assumes all responsibility for the interruption and damage to underground utilities. The Permit Holder is responsible for proper disposal, in accordance with current regulations, of any material excavated from within the right-of-way. Such materials include, without limitation, soils or groundwater contaminated by petroleum products or other pollutants associated with sites identified by the MDEQ or reported on appropriate release forms for underground storage tanks.

Assignability: The permit is neither transferable nor assignable without the written consent of the County.

Limitation of Permit: The Applicant and the Permit Holder shall be responsible for obtaining and shall secure any permits or permission necessary or required by law from State, federal or other local governmental agencies and jurisdictions, corporations or individuals. These include, without limitation, those pertaining to drains, inland lakes and streams, wetlands, woodlands, flood plains, filling, noise regulation and hours of operation. Issuance of a Wayne County permit does not authorize activities otherwise regulated by State, federal or local agencies.

Access of Other Vehicles: The Permit Holder shall, at all times possible, maintain a minimum of one acceptable access to all abutting occupied properties, driveways and side streets unless otherwise specified on the approved plans. The Permit Holder shall notify all owners or occupants of properties whose access may be temporarily disrupted during the permitted work. The local police, fire or emergency service agencies shall define acceptable access. The Permit Holder shall provide signing and other improvements necessary to ensure adequate access until the roadway, driveway or side street is restored. The Permit Holder shall conduct all operations so as to minimize inconvenience to abutting property owners. Wayne County reserves the right to reasonably restrict the progress of work by the Permit Holder based on the rate of roadway and right-of-way restoration, including permanent or temporary pavement. Wayne County may require that work be suspended until satisfactory backfilling of open trenches or excavations has been completed and driveways, side streets and drainage restored.

Restoration: The Permit Holder agrees to restore the County road and road right-of-way, County drain easement or County park property to a condition equal to or better than its condition before work under the permit began. If the Permit Holder fails to satisfactorily restore the permitted work area, Wayne County may take all practical actions necessary to provide reasonably safe and convenient public travel, preservation of the roadway and drainage, prevention of soil erosion and sedimentation, and elimination of nuisance to abutting property owners caused by the permitted activity. Security in the form of cash, a certified check or surety bond shall be required to secure the cost of restoring the disturbed portion of the right-of-way to an acceptable safe condition. The amount of the security shall be determined by the Permit Office. In the event that a suspension of work will be protracted or that the work will not be completed by the Permit Holder, the Permit Holder shall restore the right-of-way to a condition similar to the condition that existed prior to issuance of the permit.

Acceptance: Acceptance by the County of work performed does not relieve the Permit Holder of full responsibility for work performed or the presence of the permitted facility. The Permit Holder acknowledges that the County has no liability for the presence of the Permit Holder's facility located within the County road right-of-way, County drain easement or County park property.

Permit Expiration and Extension of Time: All work authorized by the permit shall be completed to the satisfaction of the Permit Office on or before the expiration date specified in the permit. Any request for an extension of time for completion shall be on a completed County form and shall demonstrate good cause for granting the request. Additional requirements may be imposed as a condition of an extension of time due to seasonal limitations or other considerations. These additional requirements may include, without limitation, changes to materials or construction methods, reestablishment of fees, bonds, deposits and insurance requirements.

Responsibility: The design, construction, operation and maintenance of all work covered by the permit shall be at the Permit Holder's expense with the exception that the Permit Holder will not be responsible for maintaining road widenings or similar facilities which become part of the County roadway.

Revocation: The permit may be suspended or revoked at the will of the County. Upon order of the County, the Permit Holder shall surrender the permit, cease operations and remove, alter or relocate, at their expense, the facilities for which the permit was granted. The Permit Holder expressly waives any right to claim damages for compensation resulting from the revocation of the permit.

Violation: The County may declare the permit null and void if the Permit Holder violates the terms of the permit. The County may require immediate removal of the Permit Holder's facilities and restoration of the County property, or the County may remove the facilities and restore the County property at the Permit Holder's expense. The Permit Holder agrees that in the event of a violation of the terms of the permit or in the event the work authorized by the permit is not satisfactorily completed by the permit expiration date, the County may use all or any portion of the performance bond to restore the County road right-of-way, drain easement, wastewater facility or park property as necessary for reasonably safe and efficient operations and maintenance, or to establish extraordinary maintenance procedures as required to assure reasonably safe and efficient operation of the County facility.

Inspection and Testing of Materials: Wayne County reserves the right of inspection and the testing of materials by its authorized representatives of all permitted activities and/or activities within the road right-of-way, County owned property or within a County drain easement. All items identified by the final inspection shall be resolved prior to release of the permit. All materials and methods utilized during the course of the authorized permit work shall meet the requirements of the current MDOT Standard Specifications For Construction as modified by Wayne County Special Provisions, Standard Plans for Permit Construction and this manual. The Permit Holder shall reimburse Wayne County for all required inspections and testing of materials.

Design: The Permit Holder is fully responsible for the design of the permitted facility, such that the design shall be consistent with all applicable County standards, specifications, guidelines, requirements and with good engineering practice. Any errors in the plans that become evident after the issuance of a permit, and which change the scope of permitted work, are subject to review and may be grounds for revocation of the permit. The Permit Office will not relieve the Permit Holder of the responsibility of correcting errors, deficiencies, or omissions due to oversight or unforeseen contingencies such as faulty drainage, poor subsoil conditions or the failure of the Permit Holder's engineer to show all the related or pertinent conditions inside or outside the plan area.

Drainage: Drainage shall not be altered to flow into the road right-of-way or road drainage system unless approved by Wayne County.

Permit Holder Compliance: The Permit Holder shall abide by the conditions and limitations contained on the permit and all other conditions listed within the WCDPS Rules, Specifications and Procedures for Construction Permits. The application of any work undertaken under the permit shall constitute the Permit Holder's agreement to the Provision.



**Wayne County Department of Public Services
Engineering Division – Permit Office
Indemnity and Insurance Attachment**

To the extent allowed by law, the Permit Holder shall defend and hold harmless Wayne County, the Department of Public Services, its officials and employees against any and all claims, suits and judgments to which Wayne County, the Departments, its officials and employees may be subject and for all costs and actual attorney fees which may be incurred on account of injury to persons or damage to property, including County property. The Permit Holder shall provide this indemnity for any incident arising out of any and all activities performed under the permit or in connection with work not authorized by the permit, or resulting from the failure to comply with the terms of the permit, or arising out of the continued existence of the work product that is subject to the permit.

Certificates of insurance shall be required for all construction permits, excluding residential driveway permits. Each certificate of insurance and any associated correspondence shall reference the plan review number of the project. General liability and automotive liability insurance coverage shall be in amounts detailed below:

The general liability insurance coverage shall be in amounts not less than \$1,000,000 each occurrence and \$2,000,000 general aggregate. Proof of automobile liability shall be in amounts not less than \$1,000,000 combined single limit for each accident, bodily injury per accident, and property damage per accident, and in an amount not less than \$1,000,000 for bodily injury each person, each occurrence and property damage liability \$1,000,000 each occurrence.

The certificate of insurance must be provided by a person, the corporation, or by authorized representatives who signed personally either the application or permit. Insurance shall remain in force until the permit is released by Wayne County.

The Wayne County Department of Public Services shall be a Certificate Holder on the policy of insurance. Wayne County, drainage district, and its officers, agents and employees shall be named as additional insured parties. It is also required that the annual permit numbers are included on each certificate of insurance.

The insurance shall cover a period not less than the term of the permit and shall provide that it cannot be cancelled or reduced without thirty (30) days advance written notice to Wayne County, by certified mail, first-class, return receipt requested. The thirty (30) days shall begin on the date when the County received the notice, as evidenced by the return receipt.

Such insurance shall provide by endorsement therein for the thirty (30) day notice by the insurer to the Permit Office prior to termination, cancellation or material alteration of the policy.

Licensee agrees to make application for renewal thereof at least sixty (60) days before the expiration date of the policy then in force and to file a certified copy of such renewed policy with the Permit Office.

The policy shall also provide by endorsement for the removal of the contractual exclusion.

Should insurance coverage be cancelled or reduced below acceptable limits, or allowed to expire, the authorization to continue work under the permit shall be suspended or revoked and shall not resume until new insurance is in force and accepted by Wayne County. Wayne County may, in such cases, take appropriate action to restore or protect the road and appurtenances. All costs incurred by this action shall be deducted from any remaining inspection deposit, bond and/or Letter of Credit and, if necessary, the Permit Holder may be billed to defray actual expenses.



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: Andover Forest Storm Drain Agreement, **Resolution #2020-06-23-61**

PRESENTER: Jeremy Schrot, 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.

PROPOSED MOTION: Move to adopt **Resolution #2020-06-23-61 authorizing the Township Supervisor to sign the Wayne County Permit M-48478 and approve the Storm Drain Agreement with Andover Forest LLC and authorize the Township Supervisor and Clerk to execute same.**

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

**RESOLUTION TO APPROVE
STORM DRAIN AGREEMENT – ANDOVER FOREST CONDOMINIUMS
SUBDIVISION 1137**

RESOLUTION #2020-06-23-61

WHEREAS, the Plymouth Charter Township has been requested by ANDOVER FOREST LLC, 2617 Beacon Hill Drive, Auburn Hills, MI 48326, 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. M-48478 to be entered into by said Wayne County Department of Public Services, the Plymouth Charter Township and ANDOVER FOREST 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 ANDOVER FOREST 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, ANDOVER FOREST 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 aforescribed 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 ANDOVER FOREST CONDOMINIUMS SUBDIVISION 1137, Plymouth, Michigan 48170 and owned by ANDOVER FOREST LLC

FURTHER, BE IT RESOLVED that the Supervisor and Clerk of the Plymouth Charter Township are authorized and empowered to execute Permit No. M-48478 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 ANDOVER FOREST LLC in the form and substance of the instrument presented to this Board.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Heitman, ___Vorva, ___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz, ___Heise

STORM WATER DRAINAGE SYSTEM AGREEMENT

THIS AGREEMENT is made this _____ day of June, 2020, by and between the Charter Township of Plymouth, a Michigan municipal corporation, with principal offices located at 9955 N. Haggerty Road, Plymouth, MI 48170 ("Township") and Andover Forest, LLC, a Michigan limited liability company, with principal offices located at 2617 Beacon Hill Drive, Auburn Hills, MI 48326 ("Proprietor").

RECITATION S:

A. Proprietor is developing certain property located in Plymouth Township, Wayne County, Michigan commonly known as Andover Forest ("Development") as more particularly described in Exhibit A attached hereto.

B. As part of the Development, Proprietor is required to construct a storm drainage system ("System") to provide adequate drainage of storm water for the Development. The storm water drainage system is depicted on Exhibit B attached hereto.

C. The Township and/or Wayne County Department of Public Services or the Michigan Department of Transportation has issued a permit ("Permit") to Proprietor authorizing the construction, operation and maintenance of the storm drainage system, which is located within the Wayne County Department of Public Services and/or the Michigan State Highway Department's right-of-way and/or drain, on or adjacent to the Development as described in the Permit attached as Exhibit C attached hereto and incorporated herein by reference, so long as the Township assumes jurisdiction for the operation and maintenance of the storm drainage system referred to in the Permit.

D. The Permit issued Wayne County Department of Public Services will benefit the Proprietor and the proposed Development.

E. The Township desires to transfer, and Proprietor agrees to assume, certain responsibilities of the Township required under the Permit, and Proprietor hereby confirms its

agreement to the terms and conditions and acceptance of such transfer of responsibility to it under this Agreement.

F. As used herein, "Proprietor" includes all of Proprietor's successors and assigns, including, all current and future owners and occupiers of the property, and including, but not limited to, the condominium association establish to operate and manage the Development (the "Association").

NOW, THEREFORE, for and in consideration of the mutual covenants and benefits to be derived hereunder, the receipt, adequacy and sufficiency of which is hereby acknowledged, the Township and the Proprietor agree as follows:

1. All of the foregoing Recitals are true and correct and are incorporated herein as part of the Agreement for all purposes.

2. Proprietor has prepared and submitted 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 water drainage system as the Township may require.

3. Proprietor has constructed the stormwater drainage system as part of the Development in accordance with the plans and specifications approved by the Wayne County Department of Public Services.

4. Proprietor, or if after the Transitional Control Date as defined in the Condominium Act, the Association, agrees that it will maintain in good working condition, and to perpetually preserve and repair at its own expense, the storm water drainage system described in the Permit as Exhibit C attached hereto and incorporated herein reference.

5. The Township shall have the right, but not the duty, to enter the property comprising the Development for the purpose of inspecting the storm water drainage system for compliance to the Permit, and to ensure the system stays in good working order.

6. If Proprietor or Association fails to preserve and/or maintain the storm water drainage system in reasonable order and condition, the Township may serve written notice upon Proprietor setting forth the deficiencies in maintenance and/or preservation along with a demand that the deficiencies be cured within a stated reasonable period, and time, date, and place for a hearing before the Township Board for the purpose of allowing them an opportunity to be heard as to why the Township should not proceed with the correction of the deficiency or obligation, which has not been undertaken or properly fulfilled. At any such time for hearing, the time for curing and the hearing itself may be extended and/or continued to a date certain. If, following such hearing, the Township Board shall determine that the obligation has not been fulfilled or failure correction within the time specified in the notice, as determined by the Township in its sole and reasonable discretion, the Township thereupon shall have the power and authority, but not the obligation, to enter upon the property or cause its agents or contractors to enter the Development and perform such obligation or take such corrective measures as reasonably found by the Township to be appropriate or necessary with respect to the storm water drainage system. The cost of making and financing such improvements by the Township, including notices by the Township and reasonable legal fees incurred by the Township, plus an administrative fee of 20% of the total of all such costs and expenses incurred, shall be paid by Proprietor or Association within thirty (30) days of billing to it. All unpaid amount may be placed on the delinquent tax roll of the Township, pro rata, as to each Unit within the Development, and shall

accrue interest and penalties, and shall be collected as, and shall be deemed delinquent real property taxes, according to the laws made and provided for the collection of delinquent real property taxes. In the discretion of the Township, such costs and expenses may be collected by suit initiated against Proprietor, and in such event, Proprietor shall pay all court costs and reasonable attorney fees incurred by the Township in connection with such suit.

7. In the event that Township, in its sole discretion, determines that the condition of the storm water drainage system has deteriorated to the point that, or the deficiency in the operation and/or maintenance by Proprietor is such that there is a danger to the public health, safety and welfare or there is a substantial potential for damage to any property and/or road improvements, the Township's obligation to provide written notice to Proprietor shall be deemed waived, and the Township or its authorized agent may enter the Development to immediately begin emergency maintenance and/or repair work. If it is found necessary to adjust or relocate all or any portion of the Stormwater drainage system within the road right-of-way, the Township shall, upon advance notice to Proprietor, cause such adjustment or relocation to occur in a location satisfactory to Proprietor. Prior to any work being performed in the road right-of-way, a permit shall be secured from the Wayne County Office of Public Services or Michigan Department of Transportation, as applicable. The cost for all such work shall be billed to Proprietor or Association under the same procedure set forth in paragraph 6 above.

8. Notwithstanding Proprietor's assumption of the responsibilities and the acceptance of liabilities stated herein, the Township shall retain jurisdiction over the storm drainage system and its rights and remedies under the Permit or any applicable statute, ordinance, rule or regulation are hereby preserved. Without limitation of the foregoing, Proprietor, at its sole cost and expense, shall perform maintenance of the storm water drainage system described in the Township's Storm Water Management and Long-Term Maintenance Plan as Exhibit D attached hereto and incorporated herein by reference.

9. Proprietor shall defend, indemnify and hold the Township harmless from and against any claims, demands, actions, damages, injuries, costs or expenses of any nature whatsoever ("Claims"), fixed or contingent, known or unknown, arising out of or in any way connected with the design, construction, use, maintenance, repair or operation (or omissions in such regard) of the storm drainage system referred to in the permit as Exhibit C hereto, appurtenances, connections and attachments thereto which are the subject of this Agreement. This indemnity and hold harmless shall include any costs, expenses and attorney fees incurred by the Township in connection with such Claims or the enforcement of this Agreement.

10. Proprietor shall comply with the Elliott-Larsen Civil Rights Act, Public Act 453 of 1976, MCL 37.2101 *et seq.*

11. This Agreement shall be recorded at Proprietor's expense with the Wayne County Register of Deeds.

12. The parties hereto make this Agreement on behalf of themselves, their heirs, successors, assigns and transferees; and hereby warrant that they have the authority and capacity to execute this Agreement and bind the property as described in this Agreement. This Agreement shall run with the land and be binding upon all owners, their agents, heirs, successors, assigns, and transferees.

13. This Agreement shall be interpreted in accordance with the laws of the State of Michigan.

14. Invalidation of any of the provisions of this Agreement by Judgment or Court order shall in no way effect the validity of any other provision(s), which shall remain in full force and effect.

15. The Township's failure to exercise a right or remedy will not operate as a waiver of any of the Township's rights or remedies under this Agreement.

16. This Agreement may only be amended, modified, or supplemented by an agreement in writing approved by the respective Boards and signed by an authorized representative of each party.

17. This Agreement is for the sole benefit of the parties and their respective successors and permitted assigns, and nothing in this Agreement, express or implied, is intended to or shall confer on any other person or entity any legal or equitable right, benefit, or remedy of any nature whatsoever under or by reason of this Agreement.

18. All matters arising out of or relating to this Agreement, are governed by, and construed in accordance with, the laws of the state of Michigan. Each party agrees that it will not bring any action, litigation, or proceeding against any other party in any way arising from or relating to this Agreement in any forum other than the courts of the state of Michigan sitting in Wayne and any applicable Michigan appellate court. Each party submits to the exclusive jurisdiction of those courts and agrees to bring any such action, litigation, or proceeding only in those courts.

19. This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

20. No provision of this agreement shall be construed against or interpreted to the disadvantage of one party against the other party by any court, or governmental authority, by reason of any determination or assertion that one party was chiefly or primarily responsible for having drafted, dictated or structured such provision.

21. Proprietor warrants that is a limited liability company, organized, validly existing, and in good standing under the laws of the state of Michigan.

22. Proprietor warrants that is qualified to do business and is in good standing in every jurisdiction in which that qualification is required for purposes of this Agreement, and that it has obtained and maintained in good standing any licenses required under Michigan law.

23. Proprietor warrants that it has the full right, power, and authority to enter into this Agreement and to perform its obligations under it.

24. Nothing herein shall be construed as a waiver of governmental immunity by the Township.

25. The Proprietor's rights and obligations under this Agreement may be transferred to the Association. In the event of an assignment to the Association, the foregoing obligations shall be assumed by such assignee and commencing three years after such assignment, Proprietor shall be relieved of such obligations and liabilities under this Agreement.

IN WITNESS WHEREOF, Proprietor and Township have executed this Agreement on the day and year first above written.

Andover Forest, LLC,
a Michigan limited liability company

By: Trillium Companies, Inc,
a Michigan corporation
Its: Managing Member

By: _____
Anthony F. Randazzo, President

STATE OF MICHIGAN)
) SS
COUNTY OF OAKLAND)

Acknowledged by Anthony F. Randazzo, President of Trillium Companies, Inc., Managing Member of Andover Forest, LLC, a Michigan limited liability company, before me on the _____ day of _____, 2020.

[Printed name]

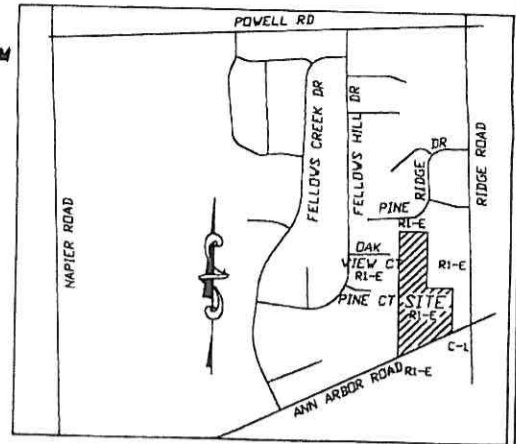
Notary Public, _____
County, Michigan

My commission expires: _____

WHEN RECORDED RETURN TO:
 Charter Township of Plymouth
 Attn: Clerk
 9955 N. Haggerty Road
 Plymouth, MI 48170

EXHIBIT 'A'

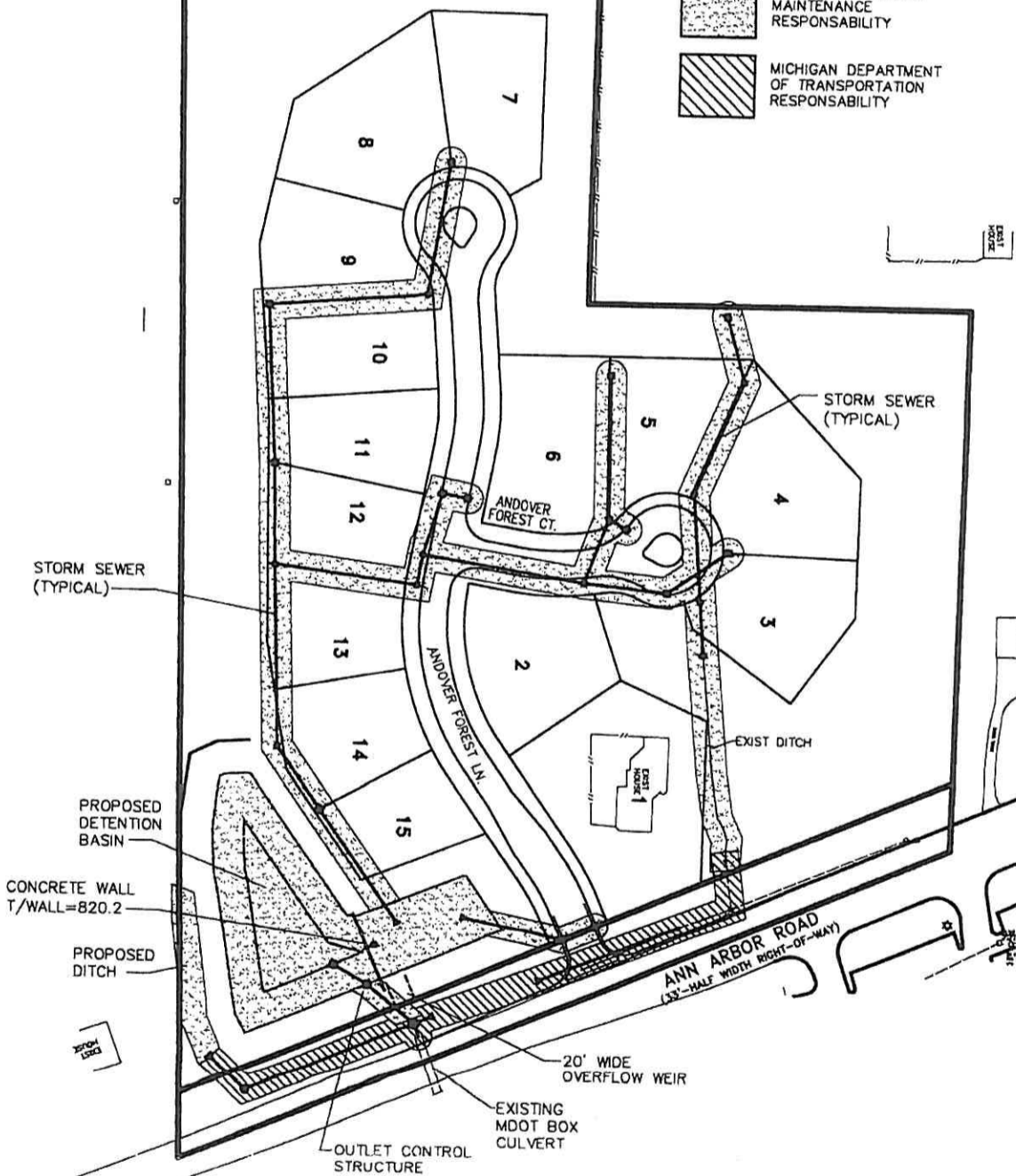
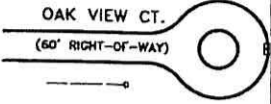
PHYSICAL LIMITS OF STORMWATER MANAGEMENT SYSTEM



LOCATION MAP
NOT TO SCALE

LEGEND:

- PLYMOUTH TOWNSHIP
MAINTENANCE
RESPONSIBILITY
- MICHIGAN DEPARTMENT
OF TRANSPORTATION
RESPONSIBILITY



GREENTECH
ENGINEERING, INC.

CIVIL ENGINEERS & LAND SURVEYORS

51111 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CLIENT:

TROWBRIDGE HOMES, INC.

EXHIBIT "A"

STORMWATER MAINTENANCE EXHIBIT
SECTION: 31 TOWNSHIP: 1N RANGE: 8E
PLYMOUTH TOWNSHIP
WAYNE COUNTY
MICHIGAN

DATE: 11/25/14

DRAWN BY: RJF

CHECKED BY: DJL



FBK:

CHF:

SCALE HOR 1"= 40 FT.
VER 1"= 10 FT.

12-167

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

Wayne County DPS Permit No.: M-
Wayne County DPS Plan Review No.: R14-133

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, buffer strip, spillways, forebay, detention basin, outlet control structure and outlet pipe that conveys flow from the detention basin to Ann Arbor Road Right of Way. 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 "Andover Forest Site Condominium SWMS".

B. Time Frame for Long-Term Maintenance Responsibility

Andover Forest, LLC is responsible for maintaining the Andover Forest Site Condominium 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 Andover Forest Site Condominium 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 Andover Forest Site Condominium SWMS. The resolution by which the Plymouth Township has assumed maintenance responsibility is attached to the permit as Exhibit C. Andover Forest, LLC, 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 Andover Forest Site Condominium SWMS if Andover Forest, LLC fails to perform the required maintenance activities. To ensure that the Andover Forest Site Condominium 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

STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SCHEDULE							
MAINTENANCE ACTIVITIES	SYSTEM COMPONENTS						FREQUENCY
	Storm Collection System (Inlets, Catch Basins, Manholes, Swales, Sewers)	Inlets to Forebay & Detention Basin	Forebay & Detention Basin	Outlet Control Structures & Outlet Pipes	Buffer Strip	Spillways, Ripraps Pavement Areas, Others	
Monitoring/Inspection							
Inspect for Sediment Accumulation**/Clogging of Stone Filter	X	X	X	X			Annually
Inspect For Floatables, Dead Vegetation & Debris	X	X	X	X	X		Annually & After Major Events
Inspect For Erosion And Integrity of Banks & Berms	X	X	X	X	X	X	Annually & After Major Events
Monitor Plantings/Vegetation			X		X		2 Times per Year
Inspect All Components During Wet Weather & Compare to As-Built Plans	X	X	X	X	X	X	Annually
Ensure Maintenance Access Remain Open/Clear	X	X	X	X	X	X	Annually
Preventative Maintenance							
Mowing			X		X		As Needed, select areas only*
Remove Accumulated sediments	X	X	X	X			As needed**
Remove Floatables, Debris, Invasive & Dead Vegetation	X	X	X	X	X		As Needed
Replace or Wash & Reuse risers stone filters			X				Every 3 years, or as needed***
Sweeping of Paved Surfaces, Others						X	As Needed
Remedial Actions							
Repair/Stabilize Areas of Erosion	X		X		X	X	As Needed
Replace Dead Plantings and Trees, Reseed Bare Areas			X		X		As needed
Structural Repairs	X	X	X	X	X		As Needed
Make Adjustments/Repairs to Ensure Proper Functioning	X	X	X	X	X	X	As Needed

NOTES: *Not to exceed the length allowed by local community ordinance. **Forebay & Detention Basin to be cleaned whenever sediments accumulate to a depth of 6-12 inches, or if sediment resuspension is observed. *** Replace stones if they cannot be adequately cleaned.

PROPERTY INFORMATION:
Andover Forest Condominiums
Plymouth Charter Township,
Wayne County, Michigan

PROPERTY OWNER:
Andover Forest, LLC
2617 Beacon Hill Drive
Auburn Hills, MI 48326
Contact: Bruce Michael
Phone: (248) 703-4653

ENGINEER:
GreenTech Engineering, Inc.
51111 W Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

DATE: 2/25/2014

SHEET 1 OF 1



GREENTECH
ENGINEERING, INC.

CIVIL ENGINEERS & LAND SURVEYORS

51111 W. Pontiac Trail
Wixom, MI 48393
Phone: (248) 668-0700
Fax: (248) 668-0701

CLIENT:

TROWBRIDGE HOMES, INC.

EXHIBIT "B"

STORMWATER MAINTENANCE EXHIBIT

SECTION: 31 TOWNSHIP: 1N RANGE: 8E
PLYMOUTH TOWNSHIP
WAYNE COUNTY
MICHIGAN

DATE: 11/25/14

DRAWN BY: RJF

CHECKED BY: DJL

0

FBK:

CHF:

SCALE HOR 1"= FT.
VER 1"= FT.

12-167



Warren C. Evans
Wayne County Executive

January 15, 2020

Mr. Kurt Heise
Charter Township of Plymouth
9955 N. Haggerty Road
Plymouth, MI 48170

Re: Maintenance of Storm Water Management
Maintenance Permit for Andover Forest Condominiums

Dear Mr. Heise:

Enclosed are the Storm Water Maintenance Permit **M-48478** and Exhibits A & B.

Please sign and date the enclosed maintenance permit and request Council to pass a Resolution as required by the Wayne County Storm Water Ordinance.

<https://www.waynecounty.com/departments/environmental/waterquality/standards-manual.aspx>

Please return complete packet to Wayne County Permit Office. An executed copy of this permit with exhibits will be returned to your attention.

If you have any questions or concerns, you may contact me at 734.595.6504, extension 2038.

Sincerely,

Hikmat Kassem, P.E.
Assistant Division Permit Engineer

DEPARTMENT OF PUBLIC SERVICES / ENGINEERING DIVISION / PERMIT OFFICE
33809 MICHIGAN AVENUE, WAYNE, MICHIGAN 48184 • (734) 595-6504 • FAX (734) 595-6356

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



PERMIT No

M-48478

ISSUE DATE

EXPIRES

1/15/2020

REVIEW No

WORK ORDER

R 14-133

72 HOURS BEFORE ANY
CONSTRUCTION. CALL

WAYNE COUNTY

DEPARTMENT OF PUBLIC SERVICES

PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN

FOR INSPECTION

PROJECT NAME

MAINTENANCE PERMIT FOR ANDOVER FOREST CONDOMINIUMS

LOCATION

ANN ARBOR ROAD (WEST OF RIDGE ROAD)

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
Greentech Engineering, Inc.

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

DATE

PREPARED BY

PERMIT HOLDER / AUTHORIZED AGENT

VALIDATED BY

PERMIT COORDINATOR

DATE



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: June 23, 2020

ITEM: Request for the Creation of a Neighborhood Passive Park, Golfview Park

PRESENTER: Mr. Jack Dempsey, Township Trustee
Ms. Laura Haw, Township Planning Consultant, McKenna

BACKGROUND:

On September 10, 2019, the Board discussed possibilities for creating a new neighborhood passive park in the triangle adjacent to Hilltop Golf Course, an area of approximately 9 acres. Suggestions included walking paths, park benches, bike racks, additional trees, and opening the area to leashed dogs. It was moved by Clerk Vorva and seconded by Trustee Dempsey to authorize the Supervisor to study the conversion of the Township-owned property bounded by Beck, Ann Arbor Trail, and Powell Roads to a public neighborhood park, subject to final review and approval by the Township Board. Ayes all on a roll call vote.

The documentation presented both in the meeting packet for June 2, 2020, and during the June 9, 2020, meeting is enclosed.

This project fulfills several goals in the Board's 2020 Goals Prioritization Exercise that resulted in the highest ranking – "5" (very high importance) – as follows:

- Township-Wide Sidewalk Gap Program
- Increase Walking / Running / Biking Options in the Township
- Develop and Fund "Golfview Park" Concept at Beck & Ann Arbor Trail

As indicated in the previous draft resolution, it is estimated that the sidewalk extension at Ann Arbor Trail/Beck can be achieved during 2020 for approximately \$5,000 out of funds in the Sidewalk Payment in Lieu account, #101-371-611.10, balance equaling \$57,298.

Approximately 80 of the 150 trees arising from the Webasto project would be planted here without taxpayer expense.

The Board has previously discussed exciting possibilities for this park, including enhancing the natural environment, bridging existing gaps in the sidewalk network and offering amenities not currently available in the Township (ex: walking leashed dogs).

ACTION REQUESTED:

The proposed resolution authorizes the Supervisor to proceed with the concept plan for the park in such a way as to minimize maintenance costs, maximize grants and donations, and improve the adjacent Beck Road crossing, while obtaining public and Board input on actual designs; and it requires that the Supervisor shall provide updates to the Board from time to time on implementation of the plan, additions and improvements that become possible, receipt of grant monies and donations, and other appropriate information.

PROPOSED MOTION: I move that the Plymouth Township Board of Trustees hereby adopt **Resolution #2020-06-23-62** approving the creation of a public, neighborhood passive park in the Township-owned triangle property (approximately 9 acres) adjacent to Hilltop Golf Course and bounded by Beck Road, Ann Arbor Trail, and Powell Road.

Enclosures: May 28, 2020 Memorandum - Recreation Amenity: Golfview Passive Pak, Concept Design (McKenna)
Preliminary Golfview Concept Design Plan (McKenna)
June 9, 2020 Board of Trustee Presentation (McKenna)
Recent Documentation of Community Support
Resolution

References:

Documentation regarding the adopted Township Recreation Plan is found at:

http://www.plymouthtwp.org/government/departments/parks_and_recreation/index.php

The Recreation Plan itself is available at:

http://cms5.revize.com/revize/plymouthmi/Parks%20Rec/FINAL_Joint_Recreation_Master_Plan_Plymouth_City-Township_2018-22.pdf

The Recreation Plan backup is found at:

<http://cms5.revize.com/revize/plymouthmi/Parks%20Rec/FiveYearJointRecreationMasterPlan.pdf>

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

CREATION OF A NEIGHBORHOOD PASSIVE PARK

Resolution #2020-06-23-62

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 June 23, 2020, the following resolution was offered:

WHEREAS the Township’s 2018-2022 Parks and Recreation Master Plan found that the Township is deficient in terms of the amount of parkland per resident and resulted in a priority recommendation for an increase in walking, biking, and running options, along with the direction for the Township to seek opportunities to improve and expand existing and potential future parks and recreation facilities; and

WHEREAS at the regular meeting on September 10, 2019, the Board discussed the possibilities for and authorized the Supervisor to explore creation of a new neighborhood passive park in the Township-owned triangle property (approximately 9 acres) adjacent to Hilltop Golf Course bounded by Beck Road, Ann Arbor Trail, and Powell Road, currently zoned as “Public Land” and thus intended to provide outdoor, public recreation uses compatible with the surrounding neighborhood(s) and having a high standard of site design and appearance; and

WHEREAS the property is designated on the Future Land Use Map of the Township’s adopted Master Plan as “Recreation Space”, which is intended for Township-owned public parks, and creation of a park fulfills and supports documented community goals of the Master Plan; and

WHEREAS this property currently provides little or no recreation amenities, is marred by debris-ridden and inaccessible areas with invasive vegetation, and lacks a pedestrian crosswalk to connect to the sidewalk along Beck Road to the south; and

WHEREAS the park plan can bridge gaps in the Township’s current sidewalk infrastructure, connecting the western and southern portions of the Township to this recreation amenity and the adjacent Township Park; and

WHEREAS there is documented public support for this project, including the robust community engagement that was conducted as part of the Joint Plymouth Community Recreation Master Plan, the recommendations of the citizen-led Township Arts, Recreation and Heritage Committee, and support from community organizations and citizens; and

WHEREAS it is in the public interest to safeguard from development and enhance this greenspace, fulfilling the Township’s 2018-2022 Parks and Recreation Master Plan by

transitioning from a vacant, underutilized piece of property into a sustainable, community amenity that improves walkability and safety; and

WHEREAS the Board of Trustees has been presented with a concept plan for the park consistent with the Township's 2018-2022 Parks and Recreation Master Plan and to fulfill the request of Township residents for more recreational opportunities that would capitalize on the Webasto tree "donation"; and

WHEREAS implementation of the concept plan can be executed so as to minimize ongoing costs for maintenance and to leverage funding opportunities as they present themselves; and

WHEREAS improving the crossing at Ann Arbor Trail and Beck Road in 2020 can be funded from Account 101-371-611.100 as part of the Township sidewalk gap program;

NOW THEREFORE BE IT RESOLVED, that the Charter Township of Plymouth, by way of this Resolution # 2020-06-23-62, hereby authorizes the Supervisor to proceed with the concept plan for the park in such a way as to minimize maintenance costs, maximize grants and donations, and improve the adjacent Beck Road crossing, while obtaining public and Board input on actual designs; and

BE IT FURTHER RESOLVED, that the Supervisor shall provide updates to the Board from time to time on implementation of the plan, additions and improvements that become possible, receipt of grant monies and donations, and other appropriate information.

Moved by: _____ Seconded by: _____

ROLL CALL:

___Vorva, ___Clinton, ___Curmi, ___Dempsey, ___Doroshewitz, ___Heise, ___Heitman

Memorandum

TO: Board of Trustees, Charter Township of Plymouth, Michigan

FROM: Laura Haw, AICP, NCI

SUBJECT: Recreation Amenity: Golfview Passive Park, Concept Design

DATE: May 28, 2020

BACKGROUND

The Township's 2018-2022 Parks and Recreation Master Plan unanimously adopted by the Board on May 8, 2018, by virtue of Resolution #2018-05-08-24, sets forth certain community goals based on public input.

The Recreation Master Plan finds that the Township is deficient in terms of the amount of parkland per resident (ex: National Standard: 9.6 acres of parkland per 1,000 residents; Plymouth Township: 6.4 acres of parkland per 1,000 residents). The public engagement process, in the development of the subject Recreation Master Plan, resulted in a priority recommendation for an increase in walking, biking, and running options. Further, the 2018-2022 Parks and Recreation Master Plan recommends that the Township seek opportunities to improve and expand existing and potential future parks and recreation facilities.

At the regular meeting on September 10, 2019, the Board discussed the possibilities for creating a new neighborhood passive park in the Township-owned triangle property (approximately 9 acres) adjacent to Hilltop Golf Course bounded by Beck Road, Ann Arbor Trail, and Powell Road. The property is currently zoned as "Public Land", which is intended to provide outdoor, public recreation uses that are compatible with the surrounding neighborhood(s) and establish a high standard of site design and appearance. Additionally, the property is designated on the Future Land Use Map of the Township's adopted Master Plan as "Recreation Space", which is intended for Township-owned, public parks.

The property currently consists of a large central grassy area with a substantial tree line along the north boundary, a sparse tree planting along the west boundary, a mixed tree and shrub planting along the south boundary, and, towards the apex of the triangular area, a heavily-wooded, debris-ridden, and inaccessible area with invasive vegetation. A sidewalk currently follows the axis of Ann Arbor Trail along the southern boundary of Hilltop Golf Course and connects to the entrance to Township Park. The intersection at Ann Arbor Trail and Beck is governed by a traffic signal, but no pedestrian crosswalks exist to connect the Township-owned property to the sidewalks along Beck to the south and west along Beck Road.

The property is a unique greenspace that lacks a current use or utility. Without sidewalk connectivity, residents are hindered from walking and bicycling to the property. There is also no parking; the parking lot in front of the Hilltop Golf Course is designed for patrons of the course. Protecting this greenspace with an enhanced scope of use by residents aligns very well with the Township's 2018-2022 Parks and Recreation Master Plan by transitioning a vacant, underutilized piece of property into a sustainable, community amenity that improves the walkability and safety of the community.

At the September 10 meeting, the Board discussed ideas such as including walking paths, park benches, bike racks, additional trees, and opening the area to leashed dogs if a park were to be created. The Board unanimously approved authorizing the Supervisor to study the conversion of the property to a public neighborhood park, subject to final review and approval by the Board.

At its April 17, 2019, meeting, the Planning Commission granted tentative and final site plan approval requested in Application 2330-0319, Webasto, at Schoolcraft and Haggerty Roads, with the voluntary condition by Webasto to donate and plant approximately 150 new trees in locations approved by the Township for public purpose. The triangle property is in need of clean-up of the invasive species and is an ideal location for the replanting of new trees; the planting of the Webasto trees at this location would provide numerous environmental and aesthetic benefits.

GOLFVIEW PASSIVE PARK, CONCEPT PLAN

In 2020, McKenna was commissioned to develop a proposed plan for the park, and the location of the donated trees, at a cost not to exceed \$2,500. The plan has been developed consistent with the Township's 2018-2022 Parks and Recreation Master Plan and to fulfill the request of Township residents for more recreational opportunities.

Enclosed, please find a copy of the concept design plan, key highlights include:

1. **Walking Path.** The proposed pathway is 8-feet in width; the existing 5-foot sidewalk along Ann Arbor Trail is shown to remain: the sidewalk is generally in good shape, but eventually, we recommend that this sidewalk would be replaced with an 8-foot pathway to match.
2. **Mile Markers for the Walking Path.** Three (3) mile markers are proposed for pedestrians: the western "loop" is approximately 0.30 miles and the smaller, eastern loop is approximately 0.20 miles. One large loop around Golfview park is approximately a half-a-mile. We see an opportunity to connect to the existing trail network in Township Park to create a comprehensive walking / running system with markers.
3. **Enhanced Tree Canopy.** The plan details 80 trees from the Webasto donation; there is an opportunity for additional trees, depending on the understory and spacing.
4. **Invasive Species.** A majority of the vegetative area within the smaller, eastern pedestrian loop contains invasive species, it is recommend this area be thinned out and monitored.
5. **Preservation of Open Space.** The large lawn area within the western pedestrian loop is proposed to be preserved; this area is an opportunity for informal active recreation, ex: a family playing frisbee.
6. **Connectivity to Neighborhoods.** Potential crosswalks are shown on Beck Road, Ann Arbor Trail and Sandalwood Drive to better connect to the surrounding neighborhoods and calm traffic.
7. **Additional Parking.** Seven (7) additional parking spaces are proposed at the end of Powell Road; currently acts as informal parking; this would formalize the space and provide additional parking for the Golf Course as well.
8. **Cultural Installations.** Several areas are noted as potential cultural installations; ex: public art.

Implementation of the Golfview Plan would have the following additional benefits:

- Elimination of the possibility of this unique public greenspace from being sold on the basis that it has no real use.
- Developed in accordance with the Township's Zoning Map, Recreation Master Plan and Future Land Use Map of the Master Plan.
- Prime open space for a native tree canopy, which is an important factor in the local air and water quality, including the River Rouge Watershed that it is located in.
- An opportunity to remove a number of existing invasive species, improving the community's environmental health.
- Provide additional opportunities for walking paths; connecting neighborhoods to Township Park.
- An opportunity for additional woodlands --- strands of deciduous and/or evergreen trees can form an effective screen to reduce strong winds or blowing snow.
- A potential gateway along the Beck, Powell and Ann Arbor Trail roadways, adding to the unique character to the community.
- Located along a planned Regional Non-Motorized Corridor (Wayne County and SEMCOG) and acts as a natural backdrop to the route.
- An opportunity for public art installations or other forms of cultural education.
- Educating children on the environment, conservation, and heritage.
- Township beautification.
- Promoting a healthy lifestyle for residents, both mentally and physically.

This last item is become ever more an emphatic public goal given the COVID-19 situation. The crisis has demonstrated how critical it is to have a greater diversity of outdoor activities in the Township than exists presently, and this would increase the public inventory of recreation assets in a substantial way.

In addition, creation of this park shows an unshakeable purpose by the Township to take major positive steps as we emerge from the crisis.

The plan does not rule out potential golf course expansion down the road, while not prejudging whether that should happen as of yet. Preservation of the large grassy central area enables future uses of various kinds, depending on the community needs and the financial situation of the Golf Course. The removal and care of invasive species is also part of project, and would be required with any other future development.

In addition to the Webasto donation, there are other grants available for the funding of this project, including partnerships with adjacent communities, SEMCOG and the Michigan Department of Natural Resources (MDNR). The project also has the potential to be phased, which would leverage funding as it becomes available.

RECOMMENDATION

We recommend that the Township consider authorization of a public, passive park on the Township-owned land (approximately 9 acres) at the triangle formed by Ann Arbor Trail, Beck Road, and Powell Road based on the findings above.

Enclosure:

Golfview Passive Park Design Concept (draft)



Entry Sign with Public Art



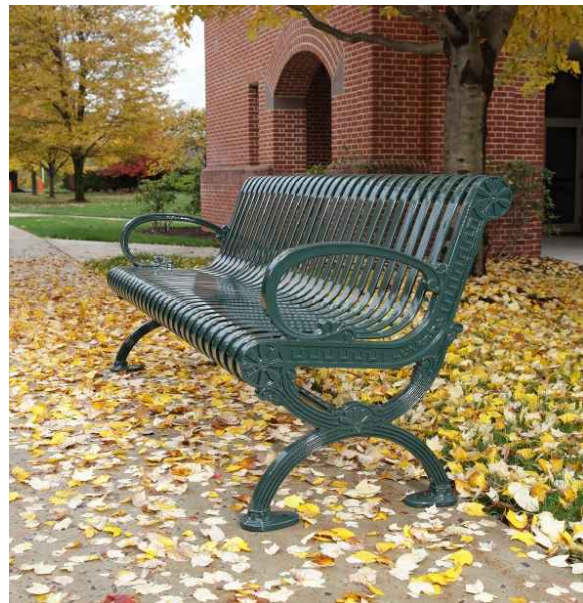
Naturalized Meadow



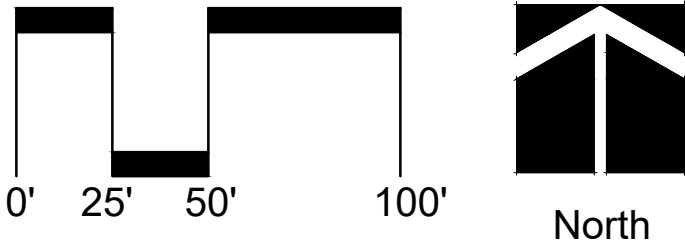
Naturalized Meadow



Seating



Trail Distance Marker



General Contact Info:
Phone: (888) 226-4326
Fax: (248) 566-0930
Headquarters:
235 East Main Street, Suite 105
Northville, Michigan 48167



Revisions:
May 28, 2020

Golfview Park	
Project Location: Plymouth Township, Michigan	Project Client: Plymouth Township, Michigan

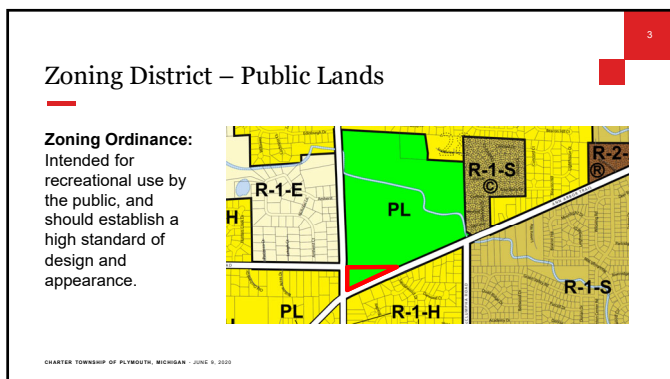
Sheet Title: Concept Plan	Base Data Provided By: Spalding DeDecker
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Project MGR: L. Haw	Drawn By: JCA
Date: 04.22.20	Scale: 1"=50'
Project #: 90047	

SHEET
Sheet 1 of 1



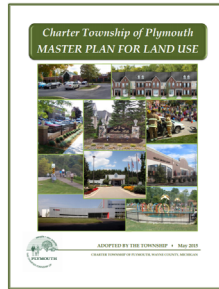




Master Plan

Goal D: Strive for a circulation system which will facilitate the smooth, safe, and efficient flow of vehicles, bicycles, and pedestrians.

Goal E: Promote active living and healthy lifestyles in Plymouth Township.



CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 9, 2020

Master Plan

Future Land Use Map: Recreation Space

"The Master Plan recognizes the importance of providing recreation/open space areas throughout the community...[these spaces are] intended for parks, recreation and open space areas."



CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 9, 2020

Joint Park and Recreation Master Plan

**The Typical
Park + Recreation Agency**
(population 20,000 - 49,999)

1 Park for every 1,901 residents

9.6 acres of parkland per 1,000 residents

Plymouth Township
(population 27,566)
SEMCOG July 2017

1 Park for every 3,938 residents

6.3 acres of parkland per 1,000 residents



CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 9, 2020


7

Furthering Regional Objectives

"Parks and recreation are core services for Southeast Michigan communities, and ensuring that they are safely and easily accessible enhances quality of life for everyone in the region."

"When parks are accessible they are used more, they help individuals lead healthier lifestyles, and connect to nature and their communities."

- SEMCOG, Southeast Michigan Council of Governments



CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 8, 2020

8

Furthering Regional Objectives

"Parks and recreation have a significant impact on Southeast Michigan's economy."

Quality public spaces and recreation opportunities help create vibrant communities that attract and retain both residents and businesses. In addition, parks have been shown to increase property values for adjacent properties and neighborhoods."

- SEMCOG, Southeast Michigan Council of Governments



CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 8, 2020





Community Support


MCKENNA

Community Thoughts

Joint Recreation Master Plan Public Engagement Results:

- Both City and Township residents believe that their recreational facilities and programs enhance the economy, property values, and quality of life in the community.
- 68% feel that sidewalks and walkability of the community is very important to their recreational enjoyment.

CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 8, 2020



10

"Important to maintain quality in the upkeep and updating of Kellogg and Township Parks. They are heavily used. They are great!"

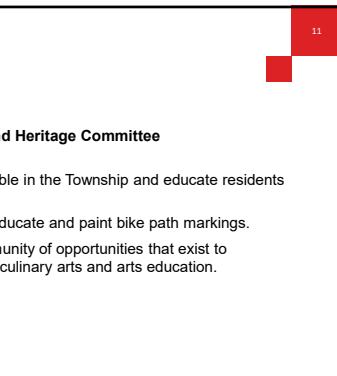
— Participants, Joint Recreation Master Plan, 2018 —

Community Thoughts

Plymouth Township Arts, Recreation and Heritage Committee Recommendations:

- Increase walking/running options available in the Township and educate residents about options.
- Biking – provide maps, rentals, racks, educate and paint bike path markings.
- Increase awareness in Plymouth Community of opportunities that exist to experience visual arts, performing arts, culinary arts and arts education.

CHARTER TOWNSHIP OF PLYMOUTH, MICHIGAN - JUNE 8, 2020

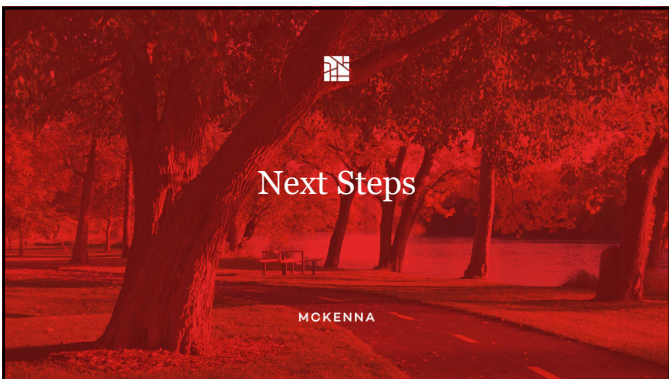


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Documentation of Community Support

Golfview Passive Park, Plymouth Township, Michigan

COMMENT:

Hello,

I just read through the article "Plymouth Twp. trustees disagree on the future of property near Hilltop Golf Course" placed on Facebook by Plymouth Observer - hometownlife.com. I live on Lorenz Way, not too far from the site, and think it is a wonderful use of the property. Plymouth Twp has done a nice job with the Plymouth Township Park, and to me this will be an extension to that park. The one drawback of the current park is the lack of walking distance. It is about 2000 steps from the parking lot up the hill and around the baseball diamonds and back to the parking lot. The walk from the parking lot up the sidewalk along Ann Arbor Trail to Beck and back is about 2400 steps. So adding the new park to the corner will give the walkers about 2 total miles. The layout that McKenna Associates proposed is perfect for this use. I don't know how much the parking lot would need to be expanded from the golf lot, if any. This project can probably be accomplished on the cheap. Don't think of this proposed park as a competing park, but more as the perfect companion to our existing park.

Thanks

John Whitfield

Documentation of Community Support

Golfview Passive Park, Plymouth Township, Michigan



COMMENT:

This email is in response to a request for input on “Golfview Neighborhood Park”. This request was just received late last night & there are several questions. Suggestions & questions are below:

1. The “Naturalized Meadow” area should be larger & be a “Native wildflower meadow” ensuring that it includes many savanna & prairie plants that are hosts for butterflies as well as nectar sources. This could be an educational resource & grants are out there for this purpose.
2. I didn’t see anything about what types of trees are planned, but if there are large trees, some should be spaced farther south along the north path. They will throw shade quite a way.
3. I think more parking will be needed, especially since it was stated that dog walking on a leash would be allowed. Since it is not allowed in PTP this will be the only option for those looking to walk with their dogs in the park. I would also add more benches – funding could be by sponsorship of the benches.
4. The paragraph that includes “The plan does not rule out potential golf course expansion down the road, while not prejudging whether that should happen as of yet. Preservation of the large grassy central area enables future uses of various kinds, depending on the community needs and the financial situation of the Golf Course” leaves at least a few of us wondering if this is a means to get to another end. Why is the grassy area left devoid of any trees & all trees lined up so close to the paths? Those who would be in favor of a park, would not want to lose it to a golf course expansion.

Overall, it looks like a good concept that would fit nicely with the planned Non-Motorized Corridor.

Marie Everitt
Vice President, Trailwood Garden Club

Documentation of Community Support

Golfview Passive Park, Plymouth Township, Michigan



COMMENT:

“This piece of property has been underutilized for decades. Creating a naturalized park space here is a great opportunity to connect the west side of the Township with Township Park and the Ann Arbor Trail area. Creating walking paths and bike trails would benefit the entire community with more naturalized green space to enjoy.”

- Wendy Harless, Chair of the HDC

Documentation of Community Support

Golfview Passive Park, Plymouth Township, Michigan

COMMENT:

June 16, 2020

Dear Kurt and Plymouth Township Board of Trustees,

I saw the Hometown Life article in this week's paper and was pleased to see that the Golfview property project was still on the table. I attended a few meetings last year, as the Plymouth Community Arts Council was interested in being a partner in creating a purposeful park space. As you may recall, we were looking at the possibility of including public art as part of the future Golfview Park Plan.

Golfview offers many opportunities for a multi-use park that retains the green landscape, but also provides opportunities for public engagement with nature, art, history and recreation.

These passive outdoor community spaces have become even more important to the well-being of citizens during the current pandemic. With so many events cancelled and recreation businesses closed or with restricted occupancy, parks provide a "safe" destination for families to walk, bike and exercise in the open air.

If you would, please keep us informed of the project's progress. If there is a future opportunity to support the project, that is, help acquire public art, repurpose some of Peter Rockwell's existing stored sculpture pieces for installation at Golfview and/or provide companion programming- walking tours, online maps, educational materials - for the greater Plymouth community, we would love to partner with you.

The PCAC's mission since 1969 is to provide quality Arts experiences for the greater Western Wayne County community and in doing so, foster artistic excellence. The Golfview property could be a perfect setting to serve that mission, as well as realize the goals of the Plymouth Township Master Plan for Recreation.

Best To You,

Lisa Howard
Executive Director, Plymouth Community Arts Council

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Lisa Howard, *Executive Director*
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June 1, 2020

Dear Plymouth Township Board of Trustees,

It is my pleasure to write this letter in support of Plymouth Township's plan to further develop the property east of Beck Road, between Ann Arbor Trail and Powell Road.

Plymouth, Plymouth Township and Canton Township have been working with the Canton Community Foundation to create a plan for increased connectivity of our paths and trails as well as further develop parks for our residents. This effort is the result of an overwhelming response to a community-wide survey that proved the need for pedestrian paths and connections within these neighboring communities.

The Canton Community Foundation fully supports the efforts of Plymouth Township as they seek approval and funding to develop the green space of Golfview Park. Any programs that can help lead to healthier lifestyles of our residents are strongly encouraged and supported.

All the Best,

Beth Meade
President/CEO



DetroitGreenways.org – P.O. Box 32013, Detroit, Michigan 48232
info@detroitgreenways.org, (313) 649-7249

June 18, 2020

Mr. Kurt Heise, Plymouth Township Supervisor,
9955 N. Haggerty Rd,
Plymouth, MI 48170

Dear Mr. Heise,

The Detroit Greenways Coalition supports the preservation of parks and greenspaces. They provide a critical need to their surrounding communities, something that has become more evident during the COVID-19 pandemic. People are visiting trails and parks at an increasing rate often to help counter the mental stress of the current work and living environment.

We recently learned Plymouth Township is considering the sale of Golfview Park. We ask that the park not be converted or sold.

Beyond its benefits as a park, Golfview provides a trail connection that could serve as a major regional connector between Hines Drive, Downtown Plymouth, and Ann Arbor.

We realize budgets are especially tight during this time. However, given the below-average park space the Township already has, it makes little sense to sell Golfview. Also, municipalities that sell parks are less likely to receive park grant funding, which could limit other opportunities to offer greenspace and parks to township residents.

If you have any questions, please contact me.

Respectfully

A handwritten signature in black ink, appearing to read "Joel Smith", written in a cursive style.

Executive Director

<p>Our Vision is a strong, healthy, vibrant City of Detroit and surrounding region where a seamless network of greenways, green spaces, blue ways and complete streets is an integral part of people's active lifestyle including day-to-day transportation and recreation.</p>
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