

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

CALL TO ORDER

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019

ITEM A
ROLL CALL

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019

ITEM B
PLEDGE OF ALLEGIANCE

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

**RECOGNITION OF
FIRE PREVENTION WEEK**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

**ITEM C
APPROVAL OF AGENDA
TUESDAY, OCTOBER 8, 2019**

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, October 8, 2019
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

PROCLAMATION RECOGNIZING FIRE PREVENTION WEEK

C. APPROVAL OF AGENDA

Tuesday, October 8, 2019

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:

Regular Meeting – Tuesday, September 24, 2019

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	\$638,931.36	\$88,691.32	\$727,622.68
Solid Waste Fund	226	6,342.18	1,748.29	8,090.47
Improvement Revolving (Capital)	246	0.00	0.00	0.00
Drug Forfeiture Fund	265	0.00	0.00	0.00

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, October 8, 2019
7:00 PM



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	5,286.28	244.60	5,530.88
Water/Sewer Fund	592	51,667.56	467,892.26	519,559.82
Trust and Agency	701	207.50	261.83	469.33
Police Bond Fund	702	4,510.00	0.00	4,510.00
Tax Pool	703	18,324.62	0.00	18,324.62
Special Assessment Capital	805	0.00	47,160.50	47,160.50
TOTALS:		\$725,269.50	\$605,998.80	\$1,331,268.30

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

F. NEW BUSINESS

1. Amendment to Exhibits for WTUA 'Swap' Agreement with Wayne County, **Resolution #2019-10-08-92**, *Supervisor Kurt Heise*
2. Contract for CDBG Park Improvements, **Resolution #2019-10-08-93**, *Township Engineer Jeremy Schrot*
3. Global CNC Storm Drain Agreement, **Resolution #2019-10-08-94**, *Township Engineer Jeremy Schrot*
4. Plymouth Park & Eats Storm Drain Agreement, **Resolution #2019-10-08-95**, *Township Engineer Jeremy Schrot*

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, October 8, 2019
7:00 PM



5. The Woods Storm Drain Agreement, **Resolution #2019-10-08-96**, *Township Engineer Jeremy Schrot*
6. Polytec Storm Drain Agreement, **Resolution #2019-10-08-97**, *Township Engineer Jeremy Schrot*
7. Polytec Water Main Easement Agreement, **Resolution #2019-10-08-98**, *Township Engineer Jeremy Schrot*
8. Jaws of Life Purchase, **Resolution #2019-10-08-99**, *Fire Chief Dan Phillips*
9. Budget Discussion – Remaining General Government Items, *Treasurer Mark Clinton and Supervisor Kurt Heise*

G. SUPERVISOR AND TRUSTEE COMMENTS

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

I. ADJOURNMENT

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

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

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

CONSENT AGENDA

**ITEM D.1
APPROVAL OF MINUTES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

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

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

MEMBERS ABSENT: None

OTHERS PRESENT: Patrick Fellrath, P.E., Director of Public Services
Dan Phillips, Fire Chief
Dan Kudra, Police Lieutenant
Cindy Kushner, Finance Consultant
Kevin Bennett, Township Attorney
Jeremy Shrot, Spalding DeDecker Associates
Sue Brams, Exec. Asst. to Supervisor
Alice Geletzke, Recording Secretary
13 Members of the Public

B. PLEDGE OF ALLEGIANCE – Police Lieutenant Dan Kudra

C. APPROVAL OF AGENDA
Tuesday, September 24, 2019

Supervisor Heise asked that Item F4, Andover Lakes SAD Engineering Authorization, be taken up as Item F2, and that Item F6 be eliminated, to be taken up at a later date.

Moved by Clerk Vorva and supported by Trustee Heitman to approve the agenda, as amended, for the Board of Trustees regular meeting of September 24. Ayes all.

D. APPROVAL OF CONSENT AGENDA

D.1 **Approval of Minutes:**
Regular Meeting – Tuesday, September 10, 2019

D.2 **Acceptance of Communications, Resolutions, Reports**
Building Department Monthly Report - August 2019

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

Fire Department Monthly Report - August 2019
 Police Department Monthly Report - August 2019
 Planning Department Monthly Report - August 2019
 FOIA Monthly Report - Clerk's Office - August 2019
 FOIA Monthly Report - Police Department - August 2019

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$421,205.84	\$86,308.90	\$507,514.74
Solid Waste Fund	226	2,714.82	103,457.21	106,172.03
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	134.00	134.00
Senior Transportation	588	3,490.06	836.30	4,326.36
Water/Sewer Fund	592	57,239.39	15,892.52	73,131.91
Trust and Agency	701	3,220.13	888.60	4,108.73
Police Bond Fund	702	2,228.00	0.00	2,228.00
Tax Pool	703	62,462.47	0.00	62,462.47

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

Special Assessment Capital	805	38.01	23,635.25	23,673.26
TOTALS:		\$552,598.72	\$231,152.78	\$783,751.50

Moved by Clerk Vorva and seconded by Trustee Dempsey to approve the consent agenda for the Board of Trustees regular meeting of September 24, 2019. Ayes all.

E. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 minutes) - None

F. NEW BUSINESS

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

1. Paramedic Ambulance Services Agreement with Huron Valley Ambulance, **Resolution #2019-09-24-87**, Supervisor Kurt Heise and Attorney Kevin Bennett

Supervisor Heise noted the distribution of updated copies of the contract.

Attorney Bennett said the changes requested by the HVA attorneys pertained to the enforcement of the indemnification provision in Section 6B. They were procedural and not substantive.

Moved by Trustee Curmi to change the duration of the contract to five years, expiring in 2024.

Motion died from lack of support.

Moved by Supervisor Heise and seconded by Clerk Vorva to adopt **Resolution #2019-09-24-87**, authorizing the Paramedic Ambulance Services Agreement with Huron Valley Ambulance, Inc., and authorize the Supervisor and Clerk to sign on behalf of the Township. Ayes all on a roll call vote.

2. Andover Lakes SAD Engineering Authorization, **Resolution #2019,09-24-89**, Public Services Director Patrick Fellrath

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

Director of Public Services Fellrath and George Tsakoff, P.E., of OHM Advisors addressed the Board and answered questions. Validated petition signatures for the Township to conduct preliminary engineering only represented 51% or greater for both total frontage, per the Township's revised procedure, and 51% or greater of the total number of units.

Residents of Andover Lakes, Tom Davey and Thomas Fedewa, spoke about the condition of the road and expressed their support for the project.

Moved by Trustee Curmi and seconded by Trustee Heitman to approve **Resolution #2019-09-24-89**, authorizing the engineering firm OHM Advisors to perform preliminary engineering under Step F of the Township's Summary of events: SAD Program for Road Improvements dated July 2019 for the proposed Andover Lakes Subdivision SAD Road Improvements project as submitted and described on the received petition for a cost not to exceed Fifteen Thousand Dollars (\$15,000.00). Ayes all on a roll call vote.

3. Second Quarter 2019 Budget Adjustments, **Resolution #2019-09-24-88**,
Treasurer Mark Clinton, Finance Consultant Cindy Kushner

Mrs. Kushner discussed with Board members the budget amendments needed in the various accounts since the last adjustments were done. She explained that revenues are expected to increase over expenditures about \$326,000. Increases are due to continued building, a portion of a grant being realized in 2019 rather than 2018, reimbursement for police presence at events, insurance rebates, in lieu payments for trees and sidewalks, and proceeds for sale of the Five Mile property. Expense increases were also discussed, such as unforeseen repairs, golf course operating transfers, and increased planning and engineering activity, etc.

Moved by Clerk Vorva and seconded by Trustee Heitman to approve **#2019-09-24-88**, authorizing the Township Clerk to make the above second quarter amendments to the 2019 General Fund Budget as shown in the attached schedules. Ayes all on a roll call vote.

4. Draft 2020 Budget Discussion – Clerk/Elections/General Government

Clerk Vorva discussed with the Board the recommendations for the upcoming budget for the Clerk's office, particularly for the Election Division. He explained the recommended increases are because of the three scheduled elections next year, the changes in election law, state mandates, and the expectations for greater increases in

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

voting, particularly by absentee ballot. The labor intensive absentee ballot procedure for both processing and counting requires an increased number of personnel and he recommends a pay increase. He also recommends an increase for some of the precinct workers doing the more technical work. They also discussed the purchase of an additional high-speed tabulator. Clerk Vorva expressed confidence that expenses will be as high as predicted for the three elections; if not, he will take the other Board members and their wives to dinner.

5. Cygnet Storm Drain Agreement, **Resolution #2019-09-24-90**, *Township Engineer Jeremy Schrot*

Moved by Trustee Curmi and seconded by Trustee Heitman to adopt **Resolution #2019-09-24-90**, authorizing the Township Supervisor to sign Wayne County Permit C-51272 and approve the storm drain agreement with Cygnet Automated Cleaning LLC and authorize the Township Supervisor and Clerk to execute same. Ayes all on a roll call vote.

6. Plymouth Park & Eats Storm Drain Agreement, **Resolution #2019-09-24-91**, *Township Engineer Jeremy Schrot*

This item was removed from the agenda.

7. Annual Millage Rate Approval, *Treasurer Mark Clinton*

Moved by Trustee Heitman and seconded by Trustee Dempsey to approve the attached 2019 Tax Rate Request Form L-4029 as completed by Treasurer Clinton with a millage request of 5.1884 to be levied on December 1, 2019, and to authorize the Supervisor and Township Clerk to sign the form and submit it to the County prior to the September 30, 2019 deadline.

ROLL CALL:	AYES:	Vorva, Clinton, Curmi, Dempsey, Heise, Heitman
	NAYS:	Doroshewitz

Motion carried.

G. SUPERVISOR AND TRUSTEE COMMENTS

Supervisor Heise noted there will be no study session on October 1, with the next regular meeting to be held October 8.

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
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TUESDAY, SEPTEMBER 24, 2019**

PROPOSED MINUTES

Trustee Heitman indicated that the owners of the Burroughs building have agreed to spend \$125 million for infrastructure improvements. Rivian is also expanding. Clerk Vorva noted that elections needs have been discussed with state legislators, in the hope of receiving additional funds.

Trustee Dempsey asked that the apportionment issue for SADs be discussed. Trustee Doroshewitz also mentioned a desire to work with the Board to review and authorize changes to procedures.

Trustee Curmi mentioned a recycling article

H. PUBLIC COMMENTS AND QUESTIONS (Limited to 3 Minutes) - None

I. ADJOURNMENT

Moved by Trustee Heitman and supported by Clerk Vorva to adjourn the meeting at 9:36 p.m. Ayes all.

Jerry Vorva, Township Clerk

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

CONSENT AGENDA

**ITEM D.2
ACCEPTANCE OF COMMUNICATIONS,
RESOLUTIONS, REPORTS
N/A**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

CONSENT AGENDA

**ITEM D.3
APPROVAL OF TOWNSHIP BILLS**

BOARD DATE

10/8/2019

FUND NAME	FUND NUMBER	TOTAL INC PAYROLL	PAYROLL & INVOICES PAID PRIOR TO MEETING	INVOICES PAID AFTER BOARD REVIEW
GENERAL FUND	101	727,622.68	638,931.36	88,691.32
SWD	226	8,090.47	6,342.18	1,748.29
IMPROV. REV.	246	-	-	
DRUG FORFEITURE	265	-	-	
DRUG FORFEITURE	266	-	-	
DRUG FORFEITURE	267	-	-	
GOLF COURSE FUND	510	-	-	
SENIOR TRANSPORATION	588	5,530.88	5,286.28	244.60
WATER & SEWER	592	519,559.82	51,667.56	467,892.26
TRUST& AGENCY	701	469.33	207.50	261.83
POLICE BOND FUND	702	4,510.00	4,510.00	
TAX POOL	703	18,324.62	18,324.62	
SPECIAL ASSESS CAPITAL	805	47,160.50	-	47,160.50
	TOTAL	1,331,268.30	725,269.50	605,998.80

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DK 10/23/19 119

VENDOR INFORMATION

INVOICE INFORMATION

A.S.C., INC		Invoice Amount:	\$468.00
ASC -Access Service Agreement - Quarterly Billing		Check Date:	10/08/2019
101-691-818.000	Qtly Billing for Soccer Park		468.00
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$110.00
Inv. 77072 9/10/19 Uniform Equip/PSA Smith		Check Date:	10/08/2019
101-325-758.000	Uniform Shoes		110.00
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$180.97
Inv. 77097 9/12/19 Uniform Equip/Ofc. Warring		Check Date:	10/08/2019
101-305-758.000	Uniform S/S shirt		95.98
101-305-758.000	Uniform Pants		54.99
101-305-758.000	Uniform Side/SAP Pocket		30.00
ALPHAGRAPHICS #336		Invoice Amount:	\$103.00
New Business Cards - Sergeant Steve Coffell		Check Date:	10/08/2019
101-305-727.000	Quantity 500 (two-sided business cards)		103.00
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$39.40
ZBA October 3 meeting		Check Date:	10/08/2019
101-371-727.000	ZBA Oct 3 Meeting		39.40
ASSOCIATED NEWSPAPERS OF MICHIGAN		Invoice Amount:	\$53.44
Maplelawn Ventures, LLC PT 0268-092619 2.5 x		Check Date:	10/08/2019
101-801-813.000	Maplelawn Ventures, LLC		53.44
BATTERIES PLUS BULBS		Invoice Amount:	\$139.99
Digitizer Glass		Check Date:	10/08/2019
101-336-851.000	Blk Digitizer Glass		139.99
BATTERIES PLUS BULBS		Invoice Amount:	\$4.45
light bulb		Check Date:	10/08/2019
101-336-776.000	INC10260 bulb		4.45
BATTERY SOLUTIONS, LLC.		Invoice Amount:	\$109.95
Battery Recycle		Check Date:	10/08/2019
226-226-810.000	iRecycle - Filled Pail #A442109_09/13/19		109.95
BLACKWELL FORD INC.		Invoice Amount:	\$95.00
Inv. 354504 9/27/19 - Vehicle Repair/B68428		Check Date:	10/08/2019
101-305-863.000	Check engine light/clear codes		95.00
BLACKWELL FORD INC.		Invoice Amount:	\$434.58
Inv. 354058 9/13/19 - Vehicle Repair/128075		Check Date:	10/08/2019
101-305-863.000	Oil Change/Replace Front & Rear Brakes		434.58
BONADEO, KAREN		Invoice Amount:	\$111.78
Meal Reimbursement - Lerma Fall Conference - Tr		Check Date:	10/08/2019
101-305-960.000	Trg Reimbursement 9/25-9/27		111.78
BUKIS, PETER		Invoice Amount:	\$25.00
Reimb. Paramedic renewal fee		Check Date:	10/08/2019
101-336-960.000	Reimbursement for Paramedic renewal fee		25.00
CDW GOVERNMENT INC		Invoice Amount:	\$2,487.45
Trend Micro Antivirus Renewal - Quote KVKB751		Check Date:	10/08/2019
101-290-941.000	Trend Micro Renewal - Quote KVKB751		2,487.45

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VENDOR INFORMATION

INVOICE INFORMATION

CDW GOVERNMENT INC			Invoice Amount:	\$107.10
My Passport Portable Black WD 4TB	Serial # W		Check Date:	10/08/2019
	101-215-727.000	WD 4TB My Passport Portable Blk		107.10
CINTAS CORPORATION - 300			Invoice Amount:	\$165.95
Inv. 4026217469 7/19/19	Mat service for P.D.		Check Date:	10/08/2019
	101-305-776.000	Mats for pd		165.95
CINTAS CORPORATION - 300			Invoice Amount:	\$165.95
Inv. 4028115450 8/16/19	Mat service for P.D.		Check Date:	10/08/2019
	101-305-776.000	Mats for pd		165.95
CONFERENCE OF WESTERN WAYNE			Invoice Amount:	\$5,661.00
CWW dues for fiscal 2019-20			Check Date:	10/08/2019
	101-290-958.000	Annual dues 2019-20		5,661.00
CORRIGAN OIL COMPANY			Invoice Amount:	\$1,876.84
Fuel #6891779 9/17/19			Check Date:	10/08/2019
	592-291-863.000	Dyed Ultra Low Sulfur #2 Mix		745.45
	592-291-863.000	Fuel Tax Recap		8.79
	592-291-863.000	Environmental Fee		6.95
	592-291-863.000	GE87 GAS-ETHANOL		1,115.65
DELWOOD SUPPLY CO.			Invoice Amount:	\$43.36
PARTS TO REPAIR PILOT PLUMBING @ 5 MILE P			Check Date:	10/08/2019
	592-443-937.000	PARTS FOR REPAIR		43.36
DE WOLF & ASSOCIATES			Invoice Amount:	\$525.00
First Line Supervision Training Inv. 2616	9/18/19		Check Date:	10/08/2019
	101-305-960.000	Sergeant Coffell Sept. 16-18, 2019		525.00
ETNA SUPPLY			Invoice Amount:	\$2,104.00
Parts for Curb Box's			Check Date:	10/08/2019
	592-291-935.000	MUELLER H15204N-1FLRXFLR		768.00
	592-291-935.000	MUELLER H15000-NL -1" FLARE CORP STOP N		308.00
	592-291-935.000	120' 1X60FT COP K SOFT COIL		504.00
	592-291-935.000	MUELLER H15000-NL 3/4" FLARE CORP STOP N		210.00
	592-291-935.000	MUELLER H15400N 3/4 FLRXFLR COUPLING		119.00
	592-291-935.000	3/4 X 60 FT COP K SOFT COIL		195.00
FEDEX			Invoice Amount:	\$33.48
Package Shipped Inv. 6-741-71384 9/18/19			Check Date:	10/08/2019
	101-305-727.000	Applied Concepts		33.48
GFL Environmental USA, Inc.			Invoice Amount:	\$195.00
DPW RECYCLE CENTER			Check Date:	10/08/2019
	226-226-810.500	09/13/19 - PLASTICS/TIN		195.00
GFL Environmental USA, Inc.			Invoice Amount:	\$195.00
DPW RECYCLE CENTER			Check Date:	10/08/2019
	226-226-810.500	09/04/19 - CARDBOARD/PAPER		195.00
Great Lakes Ace Hardware			Invoice Amount:	\$15.19
BLANKET PO 2019 September 2019 invoice attac			Check Date:	10/08/2019
	101-691-931.000	BLANKET PO 2019		15.19

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INVOICE INFORMATION

GUARDIAN ALARM CO Alarm billing PLYMOUTH TOWNSHIP PUMP HOUS 592-172-818.000	Monitoring, Maintenance & Services	Invoice Amount: Check Date:	\$253.98 10/08/2019 253.98
HAACK, DAVID REINBUSMENT OF PERSONAL CREDIT CARD 101-265-858.000 101-265-776.000	RECYCLE BAGS GUTTER SEAL	Invoice Amount: Check Date:	\$47.66 10/08/2019 21.70 25.96
HALT FIRE INC E3 repairs 101-336-863.000	E3 Repairs	Invoice Amount: Check Date:	\$9,903.63 10/08/2019 9,903.63
HASTINGS AIR-ENERGY CONTROL grabber bladder for primovent system 101-336-851.000	Grabber Bladder for venting system	Invoice Amount: Check Date:	\$323.82 10/08/2019 323.82
HUMANE SOCIETY OF HURON VALLEY Inv. 201908 8/31/19 Stray Impound Services - Au 101-305-819.000	Stray Impound Services	Invoice Amount: Check Date:	\$25.00 10/08/2019 25.00
IDEAL CALIBRATIONS Calibrate monitor 101-336-851.000	Calibrate Gas Monitor	Invoice Amount: Check Date:	\$371.00 10/08/2019 371.00
J & B MEDICAL SUPPLY INC medical supplies 101-336-836.000	COV22550PC COVIDIEN MEDI-TRACE CADENC	Invoice Amount: Check Date:	\$36.13 10/08/2019 36.13
J & B MEDICAL SUPPLY INC medical supplies 101-336-836.000	TEL170060 RUSCH ENDOTRACHEAL TUBE CUF	Invoice Amount: Check Date:	\$42.48 10/08/2019 42.48
J & B MEDICAL SUPPLY INC medical supplies 101-336-836.000 101-336-836.000 101-336-836.000	DMH01-550-018 MEDIC-KIT5 EMT KIT, blue ANS6034513 ANSELL ORIGINAL PERRY STYLE ANS6034514 ANSELL ORIGINAL PERRY STYLE	Invoice Amount: Check Date:	\$435.91 10/08/2019 155.51 140.20 140.20
KNIGHT TECHNOLOGY GROUP, INC. Firewall Monitoring Sep 2019 - Invoice# 13726 101-290-941.000	Firewall Monitoring - Sep 2019	Invoice Amount: Check Date:	\$150.00 10/08/2019 150.00
KNIGHT TECHNOLOGY GROUP, INC. Tech Support - Network maintenance and support 101-290-941.000	Tech Support-Network maint and support	Invoice Amount: Check Date:	\$660.00 10/08/2019 660.00
KNIGHT TECHNOLOGY GROUP, INC. Tech Support - Decomission old PD Server - Invoi 101-290-941.000	Decommission old PD Server	Invoice Amount: Check Date:	\$150.00 10/08/2019 150.00
KSS Enterprises BLANKET PO 2019 (inv. 1180164 (9-12-19) 101-691-931.000	BLANKET PO 2019	Invoice Amount: Check Date:	\$337.48 10/08/2019 337.48
Linguistica International Inv. 37937 8/31/19 Interpreting Services - August		Invoice Amount: Check Date:	\$7.72 10/08/2019

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VENDOR INFORMATION		INVOICE INFORMATION	
	101-325-853.400	13.55 Minutes of Interpretation Services	7.72
MI Assoc. of Fire Chiefs		Invoice Amount:	\$245.00
Membership 2020		Check Date:	10/08/2019
	101-336-729.000	Membership 2020	245.00
Marquis Food Service, Inc.		Invoice Amount:	\$37.50
Inv. 9125 9/30/19 Prisoner Meals		Check Date:	10/08/2019
	101-325-818.400	Breakfast Sandwiches	32.50
	101-325-818.400	Delivery	5.00
MERCHANTS & MEDICAL CREDIT CORP, IN		Invoice Amount:	\$50.00
Collections		Check Date:	10/08/2019
	101-336-959.000	Collection fees	50.00
MESSINA CONCRETE INC		Invoice Amount:	\$331.25
9/18/19 restoration of sidewalk for 2016 wmb @		Check Date:	10/08/2019
	592-291-932.000	concrete for restoration	331.25
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 9/20/19 #413909		Check Date:	10/08/2019
	592-172-758.000	9/20/19	84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
Uniforms 9/27/19 #414349		Check Date:	10/08/2019
	592-172-758.000	9/27/19	84.35
OAKLAND COMMUNITY COLLEGE		Invoice Amount:	\$375.00
Inv. 114338 9/10/19 Basic Bloodstain Recognition		Check Date:	10/08/2019
	101-305-960.000	Ofcs. Brothers, King and Warring	375.00
OAKLAND COMMUNITY COLLEGE		Invoice Amount:	\$695.00
Inv. 114494 9/20/19 Evidence Technician Trainin		Check Date:	10/08/2019
	101-305-960.000	Ofc. McLean 9/9/19-9/20/19	695.00
OFFICE DEPOT		Invoice Amount:	\$50.40
Inv. 376786829001 9/12/19 - Office Supplies for		Check Date:	10/08/2019
	101-325-727.000	Index Maker Tabs	19.13
	101-325-727.000	Duster - Spray	15.29
	101-325-727.000	Scotch Tape	15.98
OFFICE DEPOT		Invoice Amount:	\$5.34
Inv. 376784795001 9/11/19 - Office Supplies for		Check Date:	10/08/2019
	101-325-727.000	Index Maker A-Z	5.34
OFFICE DEPOT		Invoice Amount:	\$52.58
Inv. 373609489001 9/4/19 - Office Supplies for		Check Date:	10/08/2019
	101-305-727.000	Scratch Pads	9.98
	101-305-727.000	Badge Reels	2.95
	101-305-727.000	Hole Punch	32.99
	101-305-727.000	Goo Gone	6.66
OFFICE DEPOT		Invoice Amount:	\$728.82
8.5" X 11" copy paper		Check Date:	10/08/2019
	101-215-727.000	8.5" x 11" copy paper	728.82

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INVOICE INFORMATION

OFFICE DEPOT		Invoice Amount:	\$61.71
Office Supplies - Supervisor's Dept and Solid Wast		Check Date:	10/08/2019
226-226-727.000	OD Steno Pads		5.78
101-171-727.000	White Out Correction Tapes		23.00
101-171-727.000	OD Pen-Style Hlghlighters		4.10
101-171-727.000	OD 1/3 cut file folders		4.49
101-171-727.000	Flair Pens Blue		12.17
101-171-720.000	Flair Pens Red		12.17
OFFICE DEPOT		Invoice Amount:	\$52.45
Tape, Staples, Labels		Check Date:	10/08/2019
101-215-727.000	Scotch Tape Rolls w Dispenser		19.89
101-215-727.000	Clear Label Dividers		32.56
OFFICE DEPOT		Invoice Amount:	\$13.94
Tape, Staples, Labels		Check Date:	10/08/2019
101-215-727.000	Std Staples		13.94
OAKLAND COUNTY		Invoice Amount:	\$2,818.42
Inv. MTP0000435 9/23/19 Upfit of Unit #19-2		Check Date:	10/08/2019
101-305-863.000	Motorpool Ext Productive Labor		2,818.42
OAKLAND COUNTY		Invoice Amount:	\$513.31
CLEMIS Tech Support Inv. CLM0010671 9/19/19		Check Date:	10/08/2019
101-325-851.000	Replace Video Card & Video Cable		513.31
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$1,620.00
Andover Lakes SAD Preliminary		Check Date:	10/08/2019
805-805-970.370	Andover Lakes SAD Preliminary		1,620.00
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$460.50
Andover Lakes SAD Preliminary		Check Date:	10/08/2019
805-805-970.370	Andover Lakes SAD Preliminary		460.50
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$1,101.25
Lake Pointe SAD Preliminary		Check Date:	10/08/2019
805-805-970.380	Lake Pointe SAD Preliminary		1,101.25
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$3,373.75
Colony Farms SAD Preliminary		Check Date:	10/08/2019
805-805-970.390	Colony Farms SAD		3,373.75
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$2,431.00
Colony Farms SAD Preliminary		Check Date:	10/08/2019
805-805-970.390	Colony Farms SAD		2,431.00
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$1,368.00
Litchfield Dr Subdivision SAD Design & Bidding		Check Date:	10/08/2019
805-805-970.310	Litchfield Dr Subdivision SAD Design & B		1,368.00
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$14,884.50
Litchfield Dr Subdivision SAD Design & Bidding		Check Date:	10/08/2019
805-805-970.310	Litchfield Dr Subdivision SAD Design & B		14,884.50
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$12,474.50
General Drive Road SAD Design Phase		Check Date:	10/08/2019
805-805-970.350	General Drive - Design Phase		12,474.50

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ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$9,447.00
General Drive Road SAD Design Phase		Check Date:	10/08/2019
805-805-970.350	General Drive - Design Phase		9,447.00
Physio-Control, Inc.		Invoice Amount:	\$4,498.20
Lifepak 15 V4 Monitor/Defib		Check Date:	10/08/2019
101-336-978.000	3 year service		4,498.20
Douglas Pickert		Invoice Amount:	\$285.00
REIMBURSEMENT FOR SCHOOLCRAFT CLASSES		Check Date:	10/08/2019
101-336-960.000	REIMBURSEMENT FOR SCHOOLCRAFT CLASSE		285.00
Douglas Pickert		Invoice Amount:	\$285.00
REIMBURSEMENT FOR SCHOOLCRAFT CLASSES		Check Date:	10/08/2019
101-336-960.000	REIM FOR SCHOOLCRAFT CLASES		285.00
PLYMOUTH RUBBER & TRANSMISSION		Invoice Amount:	\$94.50
parts for airline		Check Date:	10/08/2019
101-336-851.000	Parts for airline Sta#3		94.50
CHARTER TWSP OF PLYMOUTH		Invoice Amount:	\$2,936.25
Comerica Bank-Credit Card Charges - August 201		Check Date:	10/08/2019
101-325-818.400	Brothers-Amazon-Paper Plates/prisonfood		25.43
101-325-851.000	Brothers-Amazon-Wireless Disp. headset		362.60
101-325-960.000	Brothers-Dunkin- hosted dispatch class		34.87
101-325-960.000	Brothers-NAED Recert-Stefanie Smith		30.00
101-691-931.000	Anderson-Nationwide CES-high volt. fuses		41.78
101-305-960.000	Gordon-Wolf Lodge-room dep. for K Bonade		198.68
101-336-960.000	Gross-HD-Tools & Paint-driver train cour		105.51
101-336-758.100	Gross-First Due-Gear (gloves)		243.99
101-336-836.000	Gross-HD-Shoring supplies Run #1940		15.48
101-336-776.000	Gross-HD-Electric Switch		3.97
101-336-836.000	Gross-HD-Oil for chain saw		8.94
101-336-836.000	Gross-HD-Oil for chain saw		13.68
101-336-836.000	Gross_ HD-CREDIT for Oil above		(13.68)
101-336-960.000	Gross-HD-Propane		19.58
101-336-960.000	Gross-HD-TAX REFUND above		(1.11)
101-265-776.000	Haack-Advanced Plumbing-2nd flr shower		159.58
101-265-776.000	Haack-Advanced Plumbing-2nd flr shower		29.31
701-100-054.000	Haack-English Gardens-		277.54
701-100-054.000	Haack-English Gardens REFUND		(277.54)
101-305-776.000	Haack-Sam's-Police Dept Supplies		97.02
101-265-776.000	Haack-Sams-Supplies for Twp. Grounds		88.18
101-265-776.000	Haack-Office Depot-@ sided Tape		4.76
701-100-054.000	HaackEnglish Gardens-Soil & cond. Twp Pk		261.83
101-265-776.000	Haack-Lighting Supply-ballasts & wire nu		36.58
101-265-776.000	Haack-HD-supplies for twp grounds		19.52
592-291-935.000	Hamann-HD-supplies		105.81
101-955-885.000	Heise-Constant Contact-E-News fees		70.00
101-201-960.000	Janks-MiGMIS Conf. Regis		100.00
101-336-960.000	Phillips-INHS cards-Pediatric Life Sup.		240.00
101-336-960.000	Phillips - State of MI-Paramedic Lic.		25.00
101-336-960.000	Phillips-FEMA Seminar-meal tix		133.76
101-336-960.000	Phillips-Expedia-Booking fee (see flight		4.04
101-336-960.000	Phillips-Delta-FEMA Seminar flight (from		291.30
101-336-960.000	Phillips-Expedia-FEMA=Seminar Flight (to		171.30
101-336-836.000	Fox-Great Lakes Ace		8.54

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PLYMOUTH-CANTON COMMUNITY SCHOOLS			Invoice Amount:	\$3,673.56
Inv. 002947 9/10/19 - August Fuel			Check Date:	10/08/2019
	101-305-863.000	Patrol Vehicles		3,609.87
	101-325-963.000	PSA Vehicle		63.69
PRINTING SYSTEMS INC			Invoice Amount:	\$58.50
Election Forms - #860 - 400 ct of			Check Date:	10/08/2019
	6' x 10.5"			48.00
	101-262-727.000	400 6 x 10.5 pink cards		10.50
	101-262-727.000	Shipping		
PRINTING SYSTEMS INC			Invoice Amount:	\$472.65
Voting ID and Master Cards			Check Date:	10/08/2019
	101-262-727.000	10,000 Green Pre-Printed Voter ID Cards		420.00
	101-262-727.000	SHIPPING		52.65
PRINTING SYSTEMS INC			Invoice Amount:	\$267.33
Voting ID and Master Cards			Check Date:	10/08/2019
	101-262-727.000	10,000 Blank Card Stock Master Cards		220.00
	101-262-727.000	SHIPPING		47.33
AIRGAS USA, LLC			Invoice Amount:	\$173.26
welding gas #9093086537 9/17/2019			Check Date:	10/08/2019
	592-172-978.000	welding gas		173.26
AIRGAS USA, LLC			Invoice Amount:	\$1,315.00
MIG WELDER			Check Date:	10/08/2019
	592-172-978.000	MIG WELDER 120/240 V 60HZ 1 PHASE MILLE		1,315.00
SEHI COMPUTER PRODUCTS			Invoice Amount:	\$183.51
Print Cartridge Laserjet			Check Date:	10/08/2019
	592-172-727.000	Print Cartridge Laserjet		183.51
SEHI COMPUTER PRODUCTS			Invoice Amount:	\$120.16
Print Cartridge CE55A			Check Date:	10/08/2019
	592-172-727.000	Print Cartridge CE55A		120.16
SEHI COMPUTER PRODUCTS			Invoice Amount:	\$244.60
Quote # Q00113436 -Ink Cartridge HP 80 X (for F			Check Date:	10/08/2019
	588-588-727.000	HP 80X Black Dual Pack Box		238.60
	588-588-727.000	Freight		6.00
SERENE SURROUNDINGS, INC.			Invoice Amount:	\$120.60
Serene Inv. # 46414 - Special Mow Request - Bre			Check Date:	10/08/2019
	101-691-818.000	Special Mow - Brentwood Park		120.60
SERENE SURROUNDINGS, INC.			Invoice Amount:	\$180.60
Serene Inv. # 46415 - Special Mow Request - Frie			Check Date:	10/08/2019
	101-265-858.000	Special Mow - Friendship Station		180.60
SERENE SURROUNDINGS, INC.			Invoice Amount:	\$1,168.20
Serene Inv. # 46416 - Special Mow Request - Lak			Check Date:	10/08/2019
	101-691-818.000	Special Mow - Lake Pointe Soccer Park		1,168.20
SERENE SURROUNDINGS, INC.			Invoice Amount:	\$324.60
Serene Inv. # 46417 - Special Mow Request - Mill			Check Date:	10/08/2019
	101-691-818.000	Special Mow - Miller Family Park		324.60

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INVOICE INFORMATION

SERENE SURROUNDINGS, INC.		Invoice Amount:	\$159.60
Serene Inv. # 46418 - Special Mow Request - FS		Check Date:	10/08/2019
101-336-776.000	Special Mow - FS #2		159.60
SERENE SURROUNDINGS, INC.		Invoice Amount:	\$186.00
Serene Inv. # 46419 - Special Mow Request - FS		Check Date:	10/08/2019
101-336-776.000	Special Mow - FS #3		186.00
SERENE SURROUNDINGS, INC.		Invoice Amount:	\$69.60
Serene Inv. # 46420 - Special Mow Request - Ply		Check Date:	10/08/2019
101-691-818.000	Special Mow - Plymouth Pointe Park		69.60
SERENE SURROUNDINGS, INC.		Invoice Amount:	\$286.80
Serene Inv. # 46422 - Special Mow Request - DP		Check Date:	10/08/2019
592-291-776.000	Special Mow - DPW Building		286.80
SHRED-IT		Invoice Amount:	\$1,224.00
Shred Event- 9/14/19		Check Date:	10/08/2019
226-226-809.000	Shred Event - 4 hours 9/14/19		1,000.00
226-226-809.000	Recycling rec. surcharge		84.00
226-226-809.000	Fuel/Env. Surcharge		140.00
CBTS, LLC		Invoice Amount:	\$1,644.39
Network Cable Insallation - Invoice 149869		Check Date:	10/08/2019
101-215-851.000	Clerk - Network Drop Installation - 1		328.88
101-215-851.000	Accounting - Network Drop Installation-3		986.63
101-336-851.000	Fire - Network Drop Installation - 1		328.88
CBTS, LLC		Invoice Amount:	\$96.19
Voice Services - IP flex Circuit number testing - In		Check Date:	10/08/2019
101-290-941.000	Voice Services - IPflex circuit test		96.19
STRYKER SALES CORPORATION		Invoice Amount:	\$19,542.87
MTS Power Load		Check Date:	10/08/2019
101-336-978.000	MTS Power load		19,542.87
NAPA Auto Parts		Invoice Amount:	\$11.98
vehicle alum bright		Check Date:	10/08/2019
101-336-863.000	Alum Bright		11.98
VISEL, SARAH		Invoice Amount:	\$46.40
Apr - Aug 2019 Mileage Reimbursement		Check Date:	10/08/2019
226-226-863.000	APR - AUG 2019 Mileage Reimbursement		18.56
101-215-727.600	CENSUS ACTIVITIES		27.84
WCA ASSESSING		Invoice Amount:	\$23,664.25
Appraisal Services Rendered -October 2019		Check Date:	10/08/2019
101-209-818.000	Appraisal Services Rendered (Contract)		23,507.58
101-209-818.000	Co-Star Services		156.67
Great Lakes Water Authority		Invoice Amount:	\$460,929.59
GLWA - August 2019 Water Usage Charges		Check Date:	10/08/2019
592-441-741.000	GLWA - August 2019 Water Usage		460,929.59
WINDER POLICE EQUIPMENT		Invoice Amount:	\$180.00
Inv. 192120 9/27/19 Vehicle Repair - Reinstall WP		Check Date:	10/08/2019
101-305-863.000	Labor		180.00

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Total Amount to be Disbursed:	\$605,998.80
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INVOICE INFORMATION

20TH DISTRICT COURT			Invoice Amount:	\$550.00
BOND RECEIPT 09/23/2019			Check Date:	10/05/2019
	702-100-087.000	BOND RECEIPT NUMBER 8142		550.00
35TH DISTRICT COURT			Invoice Amount:	\$300.00
BOND RECEIPT 09/23/2019			Check Date:	10/05/2019
	702-100-087.000	BOND RECEIPT NUMBER 8141		300.00
35TH DISTRICT COURT			Invoice Amount:	\$300.00
BOND RECEIPT 09/27/2019			Check Date:	10/05/2019
	702-100-087.000	BOND RECEIPT NUMBER 8146		300.00
47TH DISTRICT COURT			Invoice Amount:	\$1,410.00
BOND RECEIPT 09/23/2019			Check Date:	10/05/2019
	702-100-087.000	BOND RECEIPT NUMBER 8143		400.00
	702-100-087.000	BOND RECEIPT NUMBER 8144		1,010.00
Total Amount to be Disbursed:				\$2,560.00

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SIMPLIFILE, LC

BD Bond Refund

701-100-202.701
BE19-0011
Invoice Amount:
\$30.00
Check Date:
10/01/2019
30.00
M/I HOMES OF MICHIGAN, LLC

2019 SUM TAX OP 78-036-08-0009-000

703-000-202.000
ACCOUNTS PAYABLE
Invoice Amount:
\$2,113.49
Check Date:
10/01/2019
2,113.49
Total Amount to be Disbursed:
\$2,143.49

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ALERUS FINANCIAL

Defined Contribution - PAYDATE September 27 20

101-325-714.050
 101-100-231.000
 101-305-714.030

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

Invoice Amount: \$5,786.13
Check Date: 10/02/2019

1,687.41
 1,484.03
 2,614.69

A T & T

AT&T - Telephone Allocation Sept. 2019 - IP FLEX

101-201-853.000 Information Services
 101-209-853.000 Assessing
 101-371-853.000 Building
 101-336-853.000 Fire
 101-305-853.000 Police
 101-171-853.000 Supervisor
 101-253-853.000 Treasurer
 101-215-853.000 Clerk
 101-371-853.500 Community Development
 101-325-853.000 Dispatch
 101-265-854.000 Water/Sewer (Util)
 101-691-853.000 Park
 592-172-853.000 Gen Expense Tel

Invoice Amount: \$824.19
Check Date: 10/02/2019

56.36
 33.65
 93.81
 148.09
 150.02
 87.71
 74.82
 43.70
 34.92
 56.43
 13.40
 10.51
 20.77

A T & T

AT&T - Telephone Allocation Sep2019 - 50MB 831

101-201-853.000 Information Services
 101-209-853.000 Assessing
 101-371-853.000 Building
 101-336-853.000 Fire
 101-305-853.000 Police
 101-171-853.000 Supervisor
 101-253-853.000 Treasurer
 101-215-853.000 Clerk
 101-371-853.500 Community Development
 101-325-853.000 Dispatch
 101-265-854.000 Water/Sewer (Util)
 101-691-853.000 Park
 592-172-853.000 Gen Expense Tel

Invoice Amount: \$698.93
Check Date: 10/02/2019

47.79
 28.54
 79.55
 125.58
 127.22
 74.38
 63.45
 37.06
 29.61
 47.86
 11.36
 8.90
 17.63

COMCAST

Comcast High Speed Internet - Township Park -O

101-691-921.000

High Speed Internet - Township Park

Invoice Amount: \$158.46
Check Date: 10/02/2019

158.46

DTE ENERGY

Baseball Diamonds August 2019-- 9100-157-6877

101-691-921.000

Baseball Diamonds

Invoice Amount: \$493.33
Check Date: 10/02/2019

493.33

FIDELITY SECURITY LIFE INSURANCE CO

EYEmed - Current Employees -October 2019 (spr

101-171-714.000 Supervisor Dept.
 101-201-714.000 Info Systems
 101-215-714.000 Clerk Dept.
 226-226-714.000 Solid Waste (Visel)
 101-253-714.000 Treasurer Dept.
 101-265-714.000 Township Hall (Haack)
 101-305-714.000 Police Dept.
 101-325-714.000 Dispatch
 101-336-714.000 Fire Dept.

Invoice Amount: \$930.34
Check Date: 10/02/2019

5.69
 15.87
 22.19
 15.87
 26.68
 10.81
 349.69
 123.73
 262.70

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	101-371-714.000	Building Dept.	37.49
	588-588-714.000	Senior Trans (Boyce)	15.87
	592-172-714.000	Public Services	22.19
	592-291-714.000	Public Works Admin.	21.56
M E R S			
MERS - September 2019 Employee AND Employer		Invoice Amount:	\$123,327.49
		Check Date:	10/02/2019
	101-100-231.030	COAM - Employee Contrib.	4,408.43
	101-100-231.030	POAM - Employee Contrib	9,398.55
	101-100-231.020	FIRE - Employee Contrib.	8,558.18
	101-100-231.050	DISPATCH - Employee Contrib	3,224.51
	101-305-714.030	COAM - Employer Contrib	18,711.82
	101-305-714.030	POAM - Employer Contrib	24,398.00
	101-336-714.020	FIRE - Employer Contrib	47,349.00
	101-325-714.050	DISPATCH - Employer Contrib	7,279.00
JOHN HANCOCK LIFE INSURANCE CO.			
9/27/19 - EMPLOYEE CONTRIB (spreadsheet att		Invoice Amount:	\$4,968.66
		Check Date:	10/02/2019
	101-100-231.000	Employee Contribution (EEMBT)(EEVND)	4,968.66
JOHN HANCOCK LIFE INSURANCE CO.			
9/27/19- EMPLOYER PEN MATCH (spreadsheet a		Invoice Amount:	\$16,322.56
		Check Date:	10/02/2019
	588-588-714.010	Friendship Station (Boyce)	236.36
	101-171-714.010	Supervisor's Office	999.30
	101-201-714.010	IT Services (Janks)	577.44
	101-215-714.010	Clerk's Office	1,306.22
	101-253-714.010	Treasurer's Office	954.29
	101-305-714.010	Police Dept.	646.99
	101-325-714.010	Dispatch (Bonadeo)	294.19
	101-336-714.020	Fire Dept	4,480.07
	101-336-714.010	Fire (Admin) (Jowsey)	256.05
	101-371-714.010	Building Dept.	1,259.15
	101-265-714.010	Township Hall (Haack)	238.39
	592-172-714.010	Public Services (Kline, Latawiec, Martin)	837.23
	226-226-714.010	Solid Waste (Visel)	323.66
	592-291-714.040	DPW	2,595.56
	592-291-714.010	DPW (Fellrath & Hamann)	1,010.31
	101-262-714.010	Elections (Paula Jefferson)	307.35
NATIONWIDE RET SOL USCM/MIDWEST			
Pay ending 9/22/2019- spreadsheet and invoice		Invoice Amount:	\$15,223.36
		Check Date:	10/02/2019
	101-100-239.000	Contributions for pay ending 9/22/2019	15,223.36
CHARTER TWSP OF PLYMOUTH			
Plymouth Township - Water/Sewer - October 20		Invoice Amount:	\$13,503.34
		Check Date:	10/02/2019
	101-171-921.000	Supervisor	36.48
	101-201-921.000	Information Services	19.52
	101-209-921.000	Assessors	10.44
	101-215-921.000	Clerk	31.70
	101-253-921.000	Treasurer	13.24
	101-265-854.000	Building	1,121.30
	101-305-921.000	Police	104.76
	101-325-921.000	Communications/Dispatch	21.81
	101-325-921.400	Lock Up	21.81
	101-336-921.000	Fire	4,123.96
	101-371-921.000	Building	22.97
	101-371-921.500	Planning	12.87
	101-691-921.000	Park	7,162.55

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226-226-921.000	Solid Waste	3.02
592-172-921.000	Adm/Gen Expense	666.47
592-444-745.000	Power & Pumping	58.87
588-588-921.000	Friendship Station	71.57

A T & T LONG DISTANCE

Long Distance Allocation August 2019

Invoice Amount: \$2.71
Check Date: 10/02/2019

101-201-853.000	-info services	0.19
101-209-853.000	Assessing	0.11
101-371-853.000	Building	0.31
101-336-853.000	Fire	0.49
101-171-853.000	Supervisor	0.29
101-253-853.000	Treasurer	0.25
101-215-853.000	Clerk	0.14
101-371-853.500	Community Development (Planning)	0.11
101-325-853.000	Dispatch	0.19
101-265-854.000	Township Hall	0.04
101-691-853.000	Park	0.03
592-172-853.000	DPW	0.07
101-305-853.000	Police	0.49

VANTAGEPOINT TRANSFER AGENTS 803492

Retirement Healthcare Contributions - Employer -

Invoice Amount: \$46,575.00
Check Date: 10/02/2019

101-171-714.000	Supervisor's Dept.	975.00
101-215-714.000	Clerk's Dept.	1,950.00
101-253-714.000	Treasurer's Dept.	975.00
101-305-714.000	Police Dept.	12,675.00
101-325-714.000	Dispatch	5,850.00
101-371-714.000	Building Dept.	975.00
226-226-714.000	Solid Waste	975.00
588-588-714.000	Senior Transportation	975.00
592-291-714.000	DPW Dept.	3,900.00
101-336-714.000	Fire	14,025.00
101-262-714.000	Elections	375.00
592-172-714.000	DPW DEPT (ADMIN)	2,925.00

VANTAGEPOINT TRANSFER AGENTS 803492

MISC FORFEITURES - TRANSFER DATES 6/22/20

Invoice Amount: \$(5,942.62)
Check Date: 10/02/2019

101-305-714.000	FRINGE BENEFITS - BARTRAM	(1,314.74)
101-305-714.000	FRINGE BENEFITS - EARNINGS	(21.18)
101-336-714.000	FRINGE BENEFITS - SCHOENHERR	(1,110.14)
101-336-714.000	FRINGE BENEFITS - LAUER	(213.54)
101-336-714.000	FRINGE BENEFITS - CASWELL	(1,490.68)
101-336-714.000	FRINGE BENEFITS - EARNINGS	(46.20)
101-325-714.000	FRINGE BENEFITS - MONTROY	(215.02)
101-325-714.000	FRINGE BENEFITS - EARNINGS	(3.85)
592-172-714.000	FRINGE BENEFITS - COBB	(1,502.24)
592-172-714.000	FRINGE BENEFITS - EARNINGS	(25.03)

VERIZON WIRELESS

Verizon - Cell Phones for Park & Fire (Acct. #3)

Invoice Amount: \$89.23
Check Date: 10/02/2019

101-691-853.000	Park Cell phone	40.01
101-336-853.000	Fire - (Lifepacks)	49.22

GENOA DEVELOPMENT CO. AND

REISSUE CHKS FOR 2016 MTT REFUND 178-998-

Invoice Amount: \$16,211.13
Check Date: 10/02/2019

703-000-202.000	REISSUE CK # 97020 SUMMER MTT REFUND	13,715.98
703-000-202.000	REISSUE CK # 97021 WINTER MTT REFUND	2,495.15

Charter Township of Plymouth
AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

Total Amount to be Disbursed:	\$239,172.24
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Charter Township of Plymouth
AP Invoice Listing - Board Report

Police Bonds - 71251

VENDOR INFORMATION

INVOICE INFORMATION

35TH DISTRICT COURT		Invoice Amount:		\$1,400.00
BOND RECEIPT 09/16/2019		Check Date:		09/28/2019
	702-100-087.000	BOND RECEIPT NUMBER 8130		500.00
	702-100-087.000	BOND RECEIPT NUMBER 8131		500.00
	702-100-087.000	BOND RECEIPT NUMBER 8132		300.00
	702-100-087.000	BOND RECEIPT NUMBER 8134		100.00
35TH DISTRICT COURT		Invoice Amount:		\$150.00
BOND RECEIPT 09/17/2019		Check Date:		09/28/2019
	702-100-087.000	BOND RECEIPT NUMBER 8136		150.00
35TH DISTRICT COURT		Invoice Amount:		\$400.00
BOND RECEIPT 09/18/2019		Check Date:		09/28/2019
	702-100-087.000	BOND RECEIPT NUMBER 8138		100.00
	702-100-087.000	BOND RECEIPT NUMBER 8139		300.00
Total Amount to be Disbursed:				\$1,950.00

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Charter Township of Plymouth
AP Invoice Listing - Board Report

Refunds 9/25/19

VENDOR INFORMATION

INVOICE INFORMATION

SIMPLIFILE, LC
BD Bond Refund

701-100-202.701 BPZ18-0007

Invoice Amount: \$126.00
Check Date: 09/25/2019
126.00

Monroe Bank & Trust
BD Bond Refund

701-100-202.701 BE18-0002

Invoice Amount: \$51.50
Check Date: 09/25/2019
51.50

Total Amount to be Disbursed: \$177.50

36 of 151
Charter Township of Plymouth
AP Invoice Listing - Board Report

Weekly 7/25/17

VENDOR INFORMATION

INVOICE INFORMATION

A T & T

AT&T - Telephone September 2019

Acct. 83
 101-325-853.400

September 2019 Comm/Lockup Phone

Invoice Amount: **\$966.94**
Check Date: **09/25/2019**
 966.94

BLUE CARE NETWORK OF MICHIGAN

September 2019 Coverage Coverage - classes 7 &

101-171-714.000	Supervisor's Office
101-201-714.000	IT Dept.
101-253-714.000	Treasurer's Dept.
101-305-714.000	Police
101-325-714.000	Dispatch
101-336-714.000	Fire
101-371-714.000	Building
592-291-714.000	Public Works (Fellrath)
101-305-714.500	Police - Retirees
101-336-714.500	Fire - Retirees
101-215-714.000	Clerk's Office
101-265-714.000	Building & Grounds (Haack)
592-172-714.000	Public Services
226-226-714.000	Solid Waste (Visel)
592-291-714.000	Public Works Retiree (Wallace)
588-588-714.000	Senior Trans (Boyce)

Invoice Amount: **\$90,834.82**
Check Date: **09/25/2019**

499.82
 1,289.52
 1,194.56
 19,287.88
 7,757.14
 19,187.92
 3,678.64
 1,789.34
 11,657.38
 17,414.00
 999.64
 1,194.56
 2,194.20
 1,289.52
 900.88
 499.82

BLUE CARE NETWORK OF MICHIGAN

October 2019 Coverage Coverage - classes 7 & 8

101-171-714.000	Supervisor's Office
101-201-714.000	IT Dept.
101-253-714.000	Treasurer's Dept.
101-305-714.000	Police
101-325-714.000	Dispatch
101-336-714.000	Fire
101-371-714.000	Building
592-291-714.000	Public Works (Fellrath)
101-305-714.500	Police - Retirees
101-336-714.500	Fire - Retirees
101-215-714.000	Clerk's Office
101-265-714.000	Building & Grounds (Haack)
592-172-714.000	Public Services
226-226-714.000	Solid Waste (Visel)
592-291-714.000	Public Works Retiree (Wallace)
588-588-714.000	Senior Trans (Boyce)

Invoice Amount: **\$90,834.82**
Check Date: **09/25/2019**

499.82
 1,289.52
 1,194.56
 19,287.88
 7,757.14
 19,187.92
 3,678.64
 1,789.34
 11,657.38
 17,414.00
 999.64
 1,194.56
 2,194.20
 1,289.52
 900.88
 499.82

COMCAST

Internet - October 2019

Xfinity Acct 8529 10
 101-290-941.000

October 2019 Internet

Invoice Amount: **\$61.67**
Check Date: **09/25/2019**
 61.67

COMCAST

Internet - September 2019 Acct 8529 10 216 147

101-290-941.000

September 2019 Internet (Gen)

Invoice Amount: **\$166.85**
Check Date: **09/25/2019**
 166.85

COMCAST

Internet - September 2019 -- Acct 8529 10 216 1

101-265-854.000
 588-588-921.000

Senior Ctr Internet
 Senior Trans Internet

Invoice Amount: **\$175.64**
Check Date: **09/25/2019**
 165.10
 10.54

COMCAST

Internet Port Street - OCTOBER 2019-- Acct 852

Invoice Amount: **\$146.85**
Check Date: **09/25/2019**

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Charter Township of Plymouth
AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

	592-291-805.000	September Internet - Port Street	146.85
COMCAST		Invoice Amount:	\$104.85
Internet - September 2019	Acct 8529 1	Check Date:	09/25/2019
	101-336-921.000	September Fire Internet	104.85
CONSUMERS ENERGY		Invoice Amount:	\$117.12
Monthly Chgs - October 2019 DPW ONLY		Check Date:	09/25/2019
	592-172-921.000	DPW-ACCT. # 1000-2645-6283	98.13
	592-172-921.000	DPW - ACCT. 3 1000-2645-6408	18.99
CONSUMERS ENERGY		Invoice Amount:	\$138.70
Monthly Charges - September 2019 (details below)		Check Date:	09/25/2019
	101-265-854.000	Township Hall - 1000 257103478	17.73
	588-588-921.000	Friendship Station 1000 2571-3478	1.06
	101-691-921.000	Twp. Park 1000 257103262	17.73
	101-336-921.000	Fire Station #2 - 1000 2571-3403	102.18
DTE ENERGY		Invoice Amount:	\$37.26
FS # 2 Service- August2019 - 9200-013-7823-0		Check Date:	09/25/2019
	101-336-921.000	FS #2 Electric Service August 2019	37.26
HONKE, ANITA		Invoice Amount:	\$135.50
Medicare Part B - October 2019		Check Date:	09/25/2019
	101-336-714.000	Medicare Part B October 2019	135.50
KNUPP, LINDA		Invoice Amount:	\$135.50
Medicare Part B October 2019		Check Date:	09/25/2019
	101-336-714.500	Medicare Part B - October 2019	135.50
MAAS, CARLAS		Invoice Amount:	\$176.20
Medicare Part B October 2019		Check Date:	09/25/2019
	101-336-714.000	Medicare Part B - October 2019	176.20
Total Amount to be Disbursed:			\$184,032.72

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

**ITEM E
PUBLIC COMMENTS AND QUESTIONS**

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.1
AMENDMENT TO EXHIBITS FOR WTUA
'SWAP' AGREEMENT WITH WAYNE
COUNTY
RESOLUTION #2019-10-08-92**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Amendments and Exhibits to Sanitary Sewer Service Agreement by and among the City of Plymouth, Plymouth Township, Canton Township, Western Townships Utilities Authority (WTUA) and the County of Wayne, **Resolution #2019-10-08-92**

PRESENTER: Supervisor Heise

BACKGROUND:

As you are aware, WTUA executed an agreement with the City of Plymouth for a solution to the interconnection of the City and Township sanitary sewers, as well as assignment of capacity in the Wayne County Rouge Valley Sewage Disposal System (RVSDS). Wayne County has now requested updated maps more properly delineating the areas to be covered under the agreement. Aaron Sprague, Director of WTUA, has provided the attached memo to provide further clarification. These amendments were approved by the WTUA Board on September 23. There are no changes to the substantive language of the original agreement with the County.

THE AMENDMENTS ARE AS FOLLOWS:

Exhibit A is for the Termination Agreement.

Attachment A - Plymouth is for the Swap/Assignment Agreement, and is **Exhibit B** for the Termination Agreement.

Attachment B - Termination Agreement is for the Termination Agreement.

PROPOSED MOTION: I move to adopt **Resolution #2019-10-08-92** authorizing the attached Amendments and Exhibits to the Sanitary Sewer Service Agreement by and among the City of Plymouth, Plymouth Township, Canton Township, Western Townships Utilities Authority (WTUA) and the County of Wayne, originally approved by the Board on April 23, 2019.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

RESOLUTION TO APPROVE WTUA SWAP AGREEMENT AMENDMENTS

RESOLUTION #2019-10-08-92

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall, located at 9955 N Haggerty Road, Plymouth, Michigan, on October 8, 2019, at 7:00 pm the following resolution was offered:

WHEREAS, the Swap/Assignment Agreement (between Plymouth City, Plymouth Township, Canton Township, WTUA and Wayne County) and the Termination Agreement (between WTUA, each of its member communities and Wayne County) were approved by all parties except Wayne County earlier this year. After those approvals, the County insisted on replacement of the Exhibits (the maps showing the Swap Areas) be replaced with figures including more detail and additional information; and,

WHEREAS, The Amendment to the Swap/Assignment Agreement includes replacement of the Exhibit previously included, and some minor language modifications reflecting the changes to that exhibit. The revised Termination Agreement, similarly, includes replacement of the Exhibits and minor, non-material changes to the language as it relates specifically to the Exhibits; and,

WHEREAS, No other changes have been made to the language previously approved by the Township. WTUA approved and executed these Agreements at its September Board Meeting;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-10-08-92** authorizing the township clerk to make the above amendments to the WTUA Sanitary Sewer Service Agreement.

Moved by: _____ Seconded by: _____

ROLL CALL:

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



Western Townships Utilities Authority
40905 Joy Road Canton, MI 48187
(734) 453-2793 or fax (734) 453-3551

MEMORANDUM

TO: Kurt Heise, Supervisor

FROM: Aaron Sprague, Director of Operations

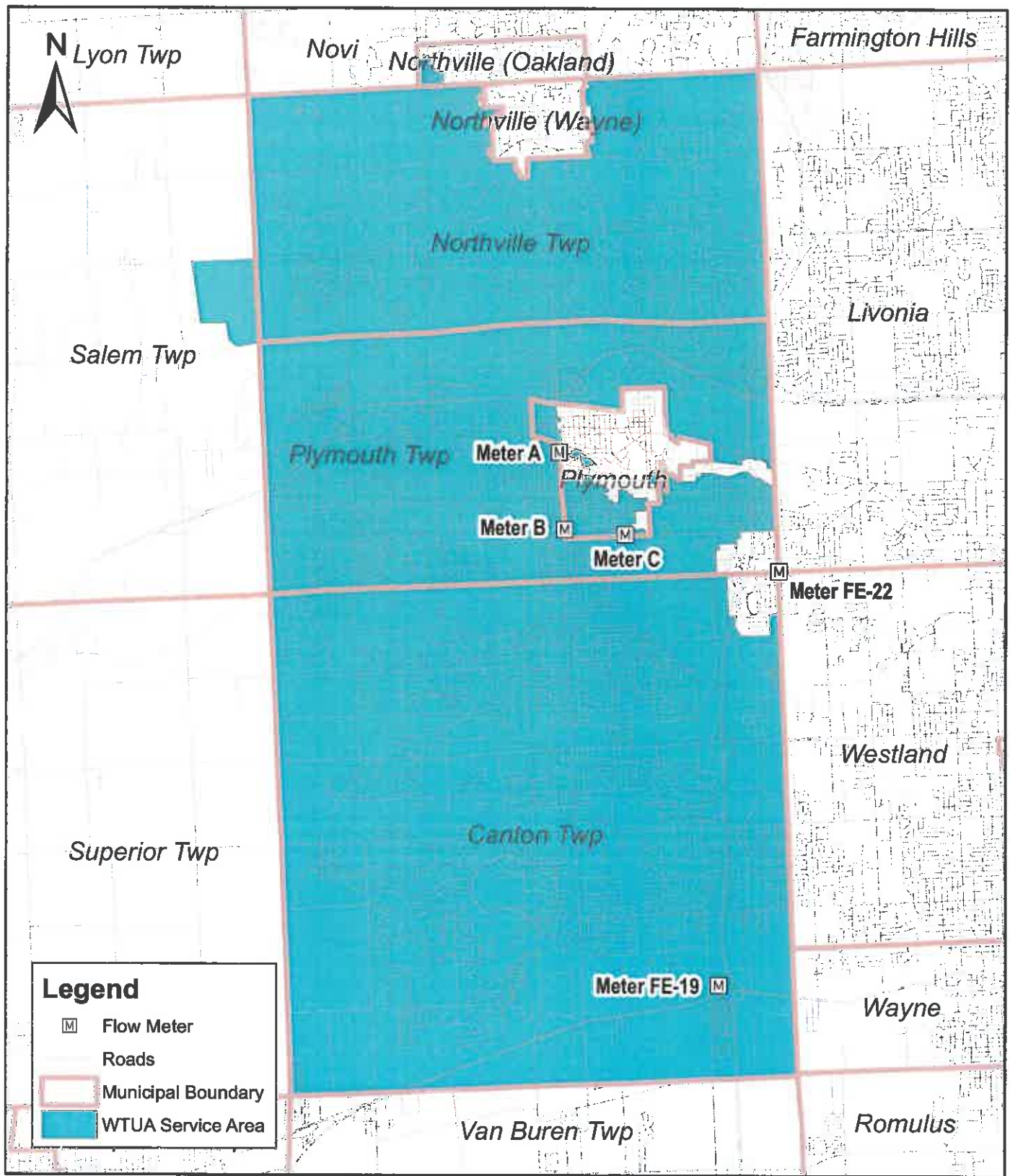
DATE: 10/1/19

RE: Swap/Assignment Agreement and Termination Agreement

As you are aware, the Swap/Assignment Agreement (between Plymouth City, Plymouth Township, Canton Township, WTUA and Wayne County) and the Termination Agreement (between WTUA, each of its member communities and Wayne County) were approved by all parties except Wayne County earlier this year. After those approvals, the County insisted on replacement of the Exhibits (the maps showing the Swap Areas) be replaced with figures including more detail and additional information.

The Amendment to the Swap/Assignment Agreement includes replacement of the Exhibit previously included, and some minor language modifications reflecting the changes to that exhibit. The revised Termination Agreement, similarly, includes replacement of the Exhibits and minor, non-material changes to the language as it relates specifically to the Exhibits.

No other changes have been made to the language previously approved by the Township. WTUA approved and executed these Agreements at its September Board Meeting. The City of Plymouth is set to approve and execute at its meeting during the first week of October. Canton Township will consider the modifications at its meeting the second week of October.

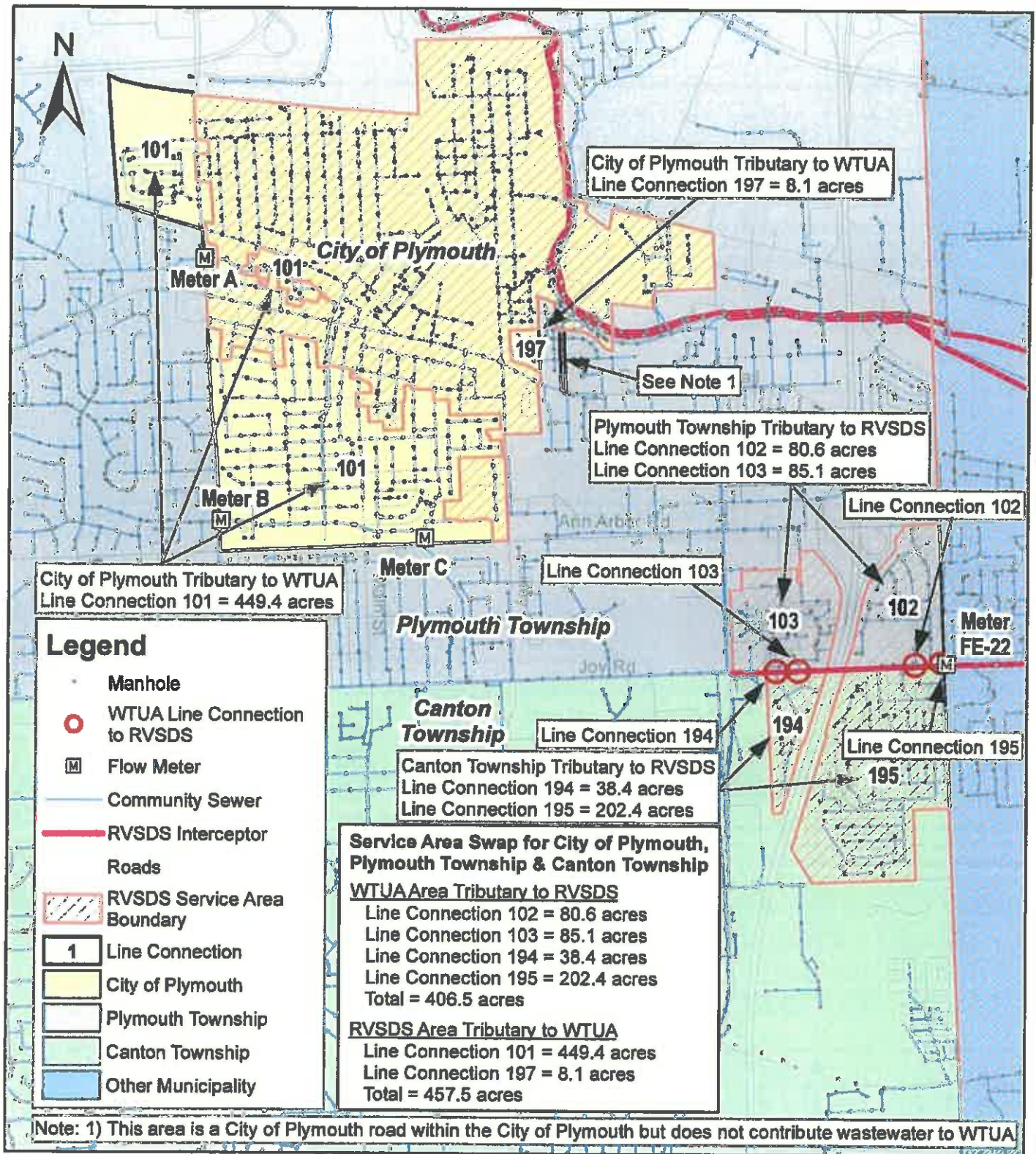


August 28, 2019

Coordinate System: NAD_1983_HARN_StatePlane_Michigan_South_FIPS_2113_Feet_Intl

0 0.5 1 2 3 4 Miles

Exhibit A
Western Townships Utilities Authority (WTUA)
Service Area



August 23, 2019

Coordinate System: NAD_1983_HARN_StatePlane_Michigan_South_FIPS_2113_Feet_Intl

0 1,500 3,000 6,000 9,000 12,000 Feet

Exhibit 1**Rouge Valley Sewage Disposal System****Service Area Detail for City of Plymouth, Plymouth Township & Canton Township**

Areas of the City of Plymouth Directly Connected to Western Townships Utilities Authority (WTUA)

Areas of Plymouth Township & Canton Township Directly Connected to Rouge Valley Sewage Disposal System (RVS)

Exhibit 1 - Plymouth City Swap Areas (101 Partial)



0 250 500 1,000 Feet

Legend

→ Connection



Exhibit 1 - Plymouth City Swap Areas (101 Partial)



Exhibit 1 - Plymouth City Swap Areas (197)

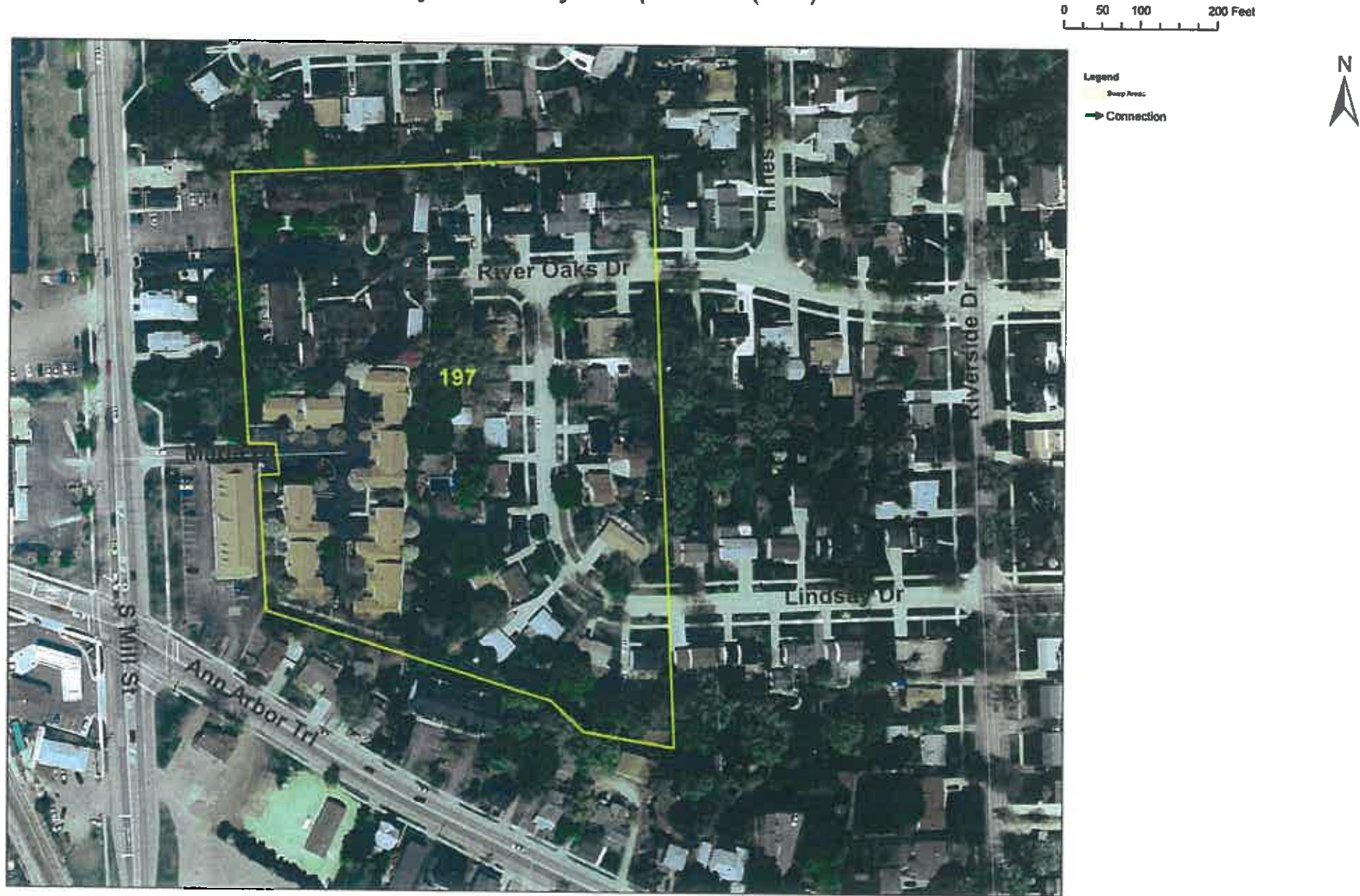
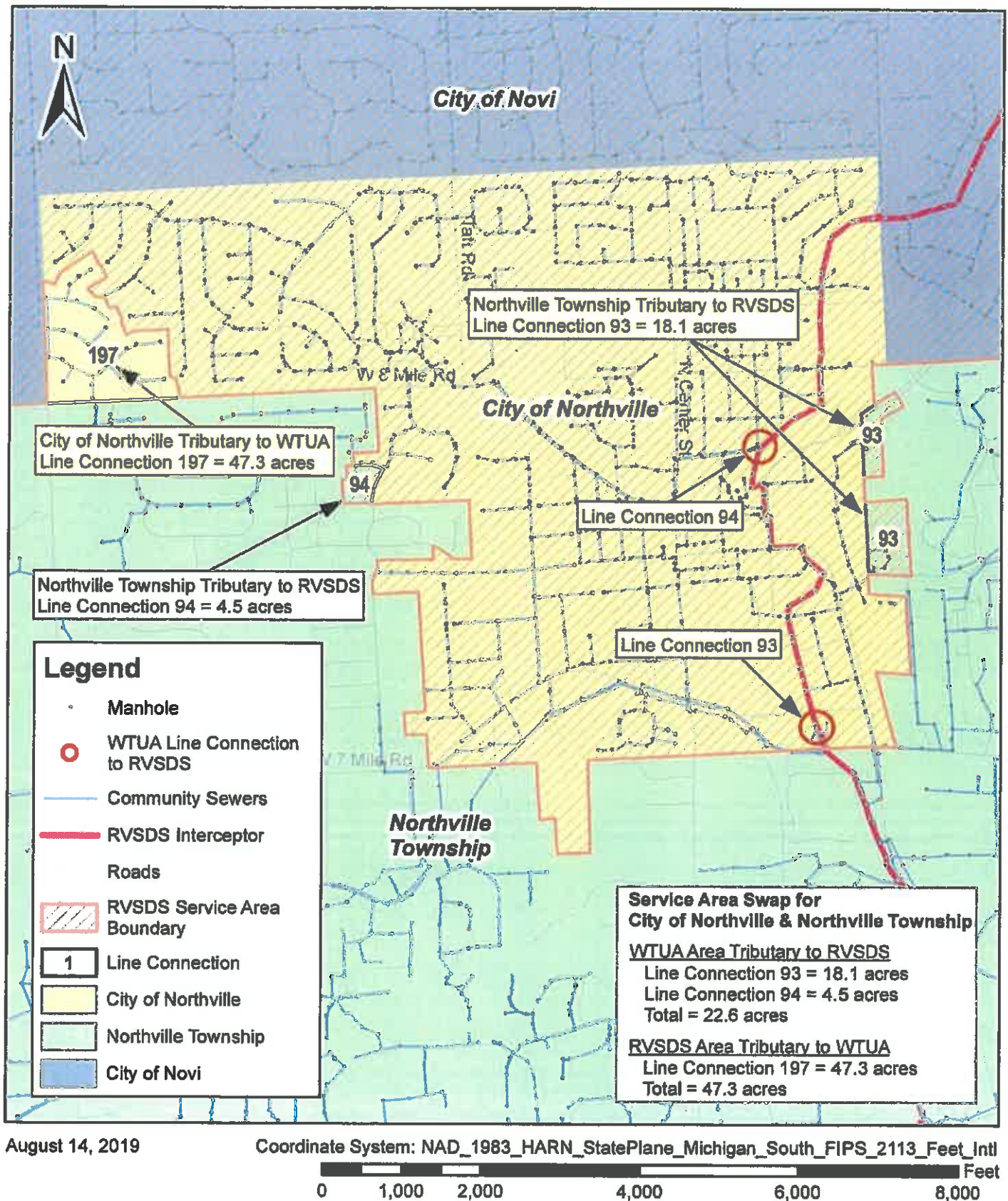


Exhibit 1 - Plymouth Township Swap Areas (102 & 103)



Exhibit 1 - Canton Township Swap Areas (194 & 195)



**Exhibit B****Rouge Valley Sewage Disposal System****Service Area Detail for City of Northville & Northville Township**

Areas of the City of Northville Directly Connected to Western Townships Utilities Authority (WTUA)
 Areas of Northville Township Directly Connected to Rouge Valley Sewage Disposal System (RVSDS)

Exhibit B - Northville Township Swap Areas (93)



Exhibit B - Northville Swap Areas (94 & 197)



0 250 500 1,000 Feet

Legend

→ Connection



**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.2
CONTRACT FOR CDBG PARK
IMPROVEMENTS
RESOLUTION #2019-10-08-93**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Award Contract for CDBG Plymouth Township Park Accessible Improvements,
Resolution #2019-10-08-93

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

Plymouth Township receives money annually from Wayne County Community Wellness and Community Development Block Grant (CDBG) funds for use on public service programs, administration and brick and mortar projects.

The brick and mortar project for this year's allocation is improvements to the Plymouth Township Park. The originally proposed improvements included replacing pavement at the parking area for the accessible play structure and replacing the existing walk to the structure.

The City Clerk's office received two (2) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. Both bids received were in excess of the available CDBG funds. However, replacement of the asphalt parking area can be completed with the available CDBG funds if the path replacement is eliminated. Using as bid unit rates from the low bidder, Merlo Construction Company, a revised scope total award of \$60,810.00 will achieve the parking area replacement.

ACTION REQUESTED:

Approve a resolution authorizing the award of the CDBG Plymouth Township Park Accessible Improvements contract with revised scope to the lowest responsive bidder, Merlo Construction Company.

PROPOSED MOTION: I move to adopt **Resolution #2019-10-08-93** authorizing the award of the CDBG Plymouth Township Park Accessible Improvements to Merlo Construction in an amount not to exceed \$60,810.00.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO AWARD BID FOR
THE CDBG PLYMOUTH TOWNSHIP PARK ACCESSIBLE IMPROVEMENTS**

RESOLUTION #2109-10-08-93

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall located at 9955 N. Haggerty Road, Plymouth Michigan on October 8, 2019, at 7:00 p.m.

WHEREAS, it is the intention of the Charter Township of Plymouth Board of Trustees to enter into an agreement to provide improvements to CDBG Plymouth Township Park Accessible Improvements. The revised project scope is the removal and replacement of a portion of the asphalt parking lot near the playground for all abilities.

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **RESOLUTION #2109-10-08-93** authorizing the award of the contract for the improvements to CDBG Plymouth Township Park Accessible Improvements to the low bidder; Merlo Construction Company; in accordance with the bid specifications at a price not to exceed \$60,810.00.

Moved by: _____ Seconded by: _____

ROLL CALL:

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



September 23, 2019

Mr. Jerry Vorva, Clerk
Charter Township of Plymouth
9955 N. Haggerty Road
Plymouth, Michigan 48170

Re: **Recommendation for Award**
CDBG Township Park Improvements
SDA Project No.: Job No PL19003

Dear Mr. Vorva:

On September 5, 2019 at 2:00 p.m., construction bids were opened and publicly read at the Plymouth Township Offices for the CDBG Accessible Park Improvements project. The project included replacement of the sidewalk from the lower Park parking lot to the inclusive play structure, as well as replacement of the deteriorated asphalt pavement in the parking lot.

The Township Clerk's office received two (2) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. The apparent low bidder, Merlo Construction, submitted a total bid of \$112,240.00. Following the bid opening, Spalding DeDecker reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached).

Based on a review of experience and references provided, Spalding DeDecker finds that Merlo Construction is qualified to perform the required construction.

The low bid is still well beyond the CDBG budget. After discussions with the Township, I met with Merlo Construction on site to determine what improvements could be made based on their bid and within the Township's budget. Attached please find revised contract quantities for completing only the reconstruction of the asphalt in the parking lot.

It is our recommendation that the project be awarded to the low bidder, Merlo Construction, for the revised scope of the CDBG Park Improvements in the amount of \$60,810.00.

Upon award by the Township Board, our office will coordinate the completion of the Contract Agreement, Bonds, and Insurance information with Merlo Construction.

Very Truly Yours,
SPALDING DEDECKER

Taylor E. Reynolds, PE
Senior Project Engineer

Plymouth Twp 2018

CDBG Parking lot reconstruction

Legend



Removal &
Replacement of
HMA

Google Earth

© 2018 Google

80 ft



PLYMOUTH TOWNSHIP
2018 CDBG ACCESSIBLE PARK IMPROVEMENTS

9/23/2019		ONLY PARKING LOT/NO SIDEWALK				TOTAL AS BID CONTRACT			
No		QTY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	QTY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance & Mobilization (5% max)	1	LS	\$5,000.00	3,000.00	1	LS	\$5,000.00	5,000.00
2	Soil Erosion Control Measures	0.2	LS	\$2,500.00	500.00	1	LS	\$2,500.00	2,500.00
3	Temporary Traffic Control Devices	1.0	LS	\$10,000.00	10,000.00	1	LS	\$10,000.00	10,000.00
4	HMA Surface, Rem	529	SY	\$15.00	7,935.00	432	SY	\$15.00	6,480.00
5	Earth Excavation	33	CY	\$35.00	1,155.00	216	CY	\$35.00	7,560.00
6	Cold Milling, HMA Surface		SY	\$12.00	-	220	SY	\$12.00	2,640.00
7	Subgrade Undercut (As Needed)	50	CY	\$35.00	1,750.00	83	CY	\$35.00	2,905.00
8	Pavt. Milling, Butt Joint	0	SY	\$20.00	-	13	SY	\$20.00	260.00
9	Str Rehab Type 1: Point-Up Structure	1	EA	\$300.00	300.00	1	EA	\$300.00	300.00
10	Hand Removal of Tree Roots (As Needed)	0	EA	\$300.00	-	15	EA	\$300.00	4,500.00
11	Aggregate Base, 4 Inch, 21AA, Limestone	0	SY	\$25.00	-	123	SY	\$25.00	3,075.00
12	Sidewalk, Conc, 4 Inch	0	SF	\$10.00	-	1,100	SF	\$10.00	11,000.00
13	Aggregate Base, 8 Inch, 22A	150	SY	\$25.00	3,750.00	279	SY	\$25.00	6,975.00
14	HMA, 36A	88	TON	\$325.00	28,600.00	93	TON	\$325.00	30,225.00
15	Pavement Mrkg, Yellow, 4 Inch	120	LF	\$10.00	1,200.00	120	LF	\$10.00	1,200.00
16	Pavement Mrkg, Blue, 4 Inch	142	LF	\$10.00	1,420.00	142	LF	\$10.00	1,420.00
17	Pavement Mrkg, Accessible Symbol	3	EA	\$400.00	1,200.00	3	EA	\$400.00	1,200.00
18	Restoration	0.0	LS	\$15,000.00	-	1	LS	\$15,000.00	15,000.00
TOTAL					60,810.00				112,240.00

NOTE:

This estimate eliminates the sidewalk work at this time. The stone base replacement will be limited to the areas in need. This estimate is issued with the Recommendation for Award dated September 23, 2019.

BID TABULATION - CDBG ACCESSIBLE PARK IMPROVEMENTSProject No. PL19003**PLYMOUTH TOWNSHIP**By: TER

2 Bids received, opened 09/05/19

Reviewed: DER

BASE BID				Merlo Construction		Anglin Civil	
No		QTY	UNIT	UNIT PRICE (\$)	AMOUNT (\$)	UNIT PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance & Mobilization (5% max)	1	LS	\$5,000.00	5,000.00	\$5,600.00	5,600.00
2	Soil Erosion Control Measures	1	LS	\$2,500.00	2,500.00	\$3,125.00	3,125.00
3	Temporary Traffic Control Devices	1	LS	\$10,000.00	10,000.00	\$6,250.00	6,250.00
4	HMA Surface, Rem	432	SY	\$15.00	6,480.00	\$37.50	16,200.00
5	Earth Excavation	216	CY	\$35.00	7,560.00	\$37.50	8,100.00
6	Cold Milling, HMA Surface	220	SY	\$12.00	2,640.00	\$28.75	6,325.00
7	Subgrade Undercut (As Needed)	83	CY	\$35.00	2,905.00	\$50.00	4,150.00
8	Pavt. Milling, Butt Joint	13	SY	\$20.00	260.00	\$312.50	4,062.50
9	Str Rehab Type 1: Point-Up Structure	1	EA	\$300.00	300.00	\$6,250.00	6,250.00
10	Hand Removal of Tree Roots (As Needed)	15	EA	\$300.00	4,500.00	\$312.50	4,687.50
11	Aggregate Base, 4 Inch, 21AA, Limestone	123	SY	\$25.00	3,075.00	\$25.00	3,075.00
12	Sidewalk, Conc, 4 Inch	1,100	SF	\$10.00	11,000.00	\$7.50	8,250.00
13	Aggregate Base, 8 Inch, 22A	279	SY	\$25.00	6,975.00	\$37.50	10,462.50
14	HMA, 36A	93	TON	\$325.00	30,225.00	\$200.00	18,600.00
15	Pavement Mrkg, Yellow, 4 Inch	120	LF	\$10.00	1,200.00	\$3.75	450.00
16	Pavement Mrkg, Blue, 4 Inch	142	LF	\$10.00	1,420.00	\$5.00	710.00
17	Pavement Mrkg, Accessible Symbol	3	EA	\$400.00	1,200.00	\$125.00	375.00
18	Restoration	1	LS	\$15,000.00	15,000.00	\$7,500.00	7,500.00
TOTAL					112,240.00		114,172.50

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.3
GLOBAL CNC STORM DRAIN
AGREEMENT
RESOLUTION #2019-10-08-94**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Global CNC Storm Drain Agreement, Resolution #2019-10-08-94

PRESENTERS: 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: I move to adopt **Resolution #2019-10-08-94** authorizing the township supervisor to sign the Wayne County Permit M-50114 and approve the storm drain agreement with Stassinis Livonia, LLC, DBA Global CNC Industries, LTD and authorize the township supervisor and clerk to execute same.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO APPROVE
STORM DRAIN AGREEMENT-STASSINOS LIVONIA, LLC**

RESOLUTION #2019-10-08-94

WHEREAS, the Charter Township of Plymouth has been requested by STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD 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-50114 to be entered into by said Wayne County Department of Public Services, the Charter Township of Plymouth, and STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD for the purposes therein stated; and,

WHEREAS, the Charter Township of Plymouth is under no legal duty to assume such jurisdiction and maintenance or to enter into the aforesaid permit for the particular benefit of STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD 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 Charter Township of Plymouth; and,

WHEREAS, STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD as willingly and freely affirmed the desire and intent to execute and record instruments for the purpose of insuring that the Charter Township of Plymouth will be held harmless from all costs and expenses in any way pertaining to the Charter Township of Plymouth assuming the afore described maintenance and jurisdiction or to the aforesaid permit being executed by the Charter Township of Plymouth;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth shall assume jurisdiction and maintenance of the storm drain servicing the premises at the street address of 15150 Cleat St, Plymouth, Michigan 48170 and owned by STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD.

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute Permit No. M-50114 of the Wayne County Department of Public Services on behalf of the Charter Township of Plymouth; and,

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute the Storm Drain Agreement on behalf of the Charter Township of Plymouth together with STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD in the form and substance of the instrument presented to this Board.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

STORM DRAIN AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of _____, A.D., 20____, by and between the PLYMOUTH CHARTER TOWNSHIP, a Municipal Corporation, 9955 North Haggerty Road, Plymouth, Michigan 48170, hereinafter referred to as "TOWNSHIP", and STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD. whose address is 15150 Cleat St., Plymouth Township, Michigan 48170 hereinafter referred to as "PROPRIETOR", in consideration of the TOWNSHIP adopting a Resolution assuming jurisdiction and maintenance of a certain storm drain, a copy of which is attached as Exhibit A and incorporated by reference, and executing a certain Permit, a copy of which is attached as Exhibit B and incorporated by reference, with the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, COUNTY OF WAYNE, MICHIGAN, a public body corporate, providing certain duties and obligations undertaken by the TOWNSHIP in respect to a storm drain for the ultimate proximate benefit of PROPRIETOR and the special benefit of land within the PLYMOUTH CHARTER TOWNSHIP, County of Wayne and State of Michigan, hereinafter termed "SPECIALLY BENEFITED DISTRICT", described as:

Property Tax I.D.: R-78-009-01-0009-300

Property Address: 15150 Cleat St., Plymouth Twp., Michigan 48170

Legal Description: Lot 9, 10, 11 Metro West Industrial Park Subdivision
No 1, as recorded in Liber 100 of Plats, Pages 82, 83, 84, and 85 Wayne County Records

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

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

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

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

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

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

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

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

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

(a) The PLYMOUTH CHARTER TOWNSHIP, its successors, assigns, agents, independent contractors and employees, is hereby granted an irrevocable license to enter upon and across all land at any time for the purposes of inspecting, repairing, maintaining, removing, installing, reinstalling and constructing the storm drain which is the subject of a certain Storm Drain Agreement, dated _____, 20____, between the PLYMOUTH CHARTER TOWNSHIP AND STASSINOS LIVONIA, LLC, DBA GLOBAL CNC INDUSTRIES, LTD. therein referred to as PROPRIETOR, and which are subject to a Permit between the PLYMOUTH CHARTER TOWNSHIP and the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, WAYNE COUNTY, MICHIGAN dated February 28, 2018.

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


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

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

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

PROPRIETER

Stassinis Livonia, LLC, DBA
Global CNC Industries, Ltd.

By: 
Lambros Stassinis

Its: Manager, Stassinis Livonia, LLC
President, Global CNC Industries, Ltd.

PLYMOUTH CHARTER TOWNSHIP

By: _____
Kurt L. Heise

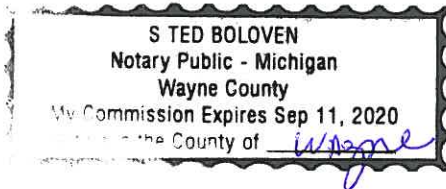
Its: Supervisor

By: _____
Jerry Vorva

Its: Clerk

STATE OF MICHIGAN)
)ss.
 COUNTY OF WAYNE)

The foregoing instrument was acknowledged before me this 10 day of Sept, 2019, by Lambros Stassinis, Manager and President of Stassinis Livonia, LLC, DBA Global CNC Industries, Ltd., respectively, a Michigan Corporation, on behalf of the Corporation.



[Signature]
 Notary Public
Wayne County, Michigan
 My Commission Expires: 9-11-2020

STATE OF MICHIGAN)
)ss.
 COUNTY OF WAYNE)

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

 Notary Public

 Wayne County, Michigan
 My Commission Expires: _____

When recorded, return to:

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

Drafted by:

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

PERMIT OFFICE 33809 MICHIGAN AVE WAYNE, MI 48184, PHONE (734) 595-6504 FAX (734) 595-6366
72 HOURS BEFORE ANY CONSTRUCTION. CALL
FOR INSPECTION



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

PERMIT No M-50114	
ISSUE DATE 5/21/2018	EXPIRES
REVIEW No R 17-588	WORK ORDER

PROJECT NAME MAINTENANCE PERMIT FOR GLOBAL CNC INDUSTRIES	
LOCATION 15150 CLEAT (CLEAT, SOUTH OF FIVE MILE)	CITY/TWP PLYMOUTH TWP
PERMIT HOLDER PLYMOUTH TOWNSHIP 9955 N HAGGERTY RD PLYMOUTH TOWNSHIP, MI 48170-4673	CONTRACTOR
CONTACT KURT HEISE (248) 348-5800	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 Stassinios Livonia LLC	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)
PLANS APPROVED BY Razi, M.	(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.

PERMIT HOLDER NAME PERMIT HOLDER / AUTHORIZED AGENT	DATE	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	PREPARED BY
		VALIDATED BY PERMIT COORDINATOR	DATE

\\s01\share\work\17206-Kem-Tec\1519-Cleat Street, Plymouth, MI\CADD\Exhibits\17206-LEGAL-Stormwater Maintenance Exhibit A.dwg

12" UNDERGROUND
STORMWATER PIPE
(TYPICAL)

PROPOSED
STORMWATER
QUALITY UNIT
(KSI SERIES 750)

12" PVC ROOF
LEADER PIPE

6" PVC ROOF
LEADER PIPE

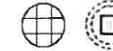
REGIONAL
DETENTION
BASIN

18" UNDERGROUND
STORMWATER PIPE
(TYPICAL)

PROPOSED
STORMWATER
CATCH BASIN

PROPOSED
STORMWATER
QUALITY UNIT
(KSI SERIES 1750)

SYMBOL



DESCRIPTION

EXISTING & PROPOSED
STORMWATER STRUCTURES

STORMWATER PIPING

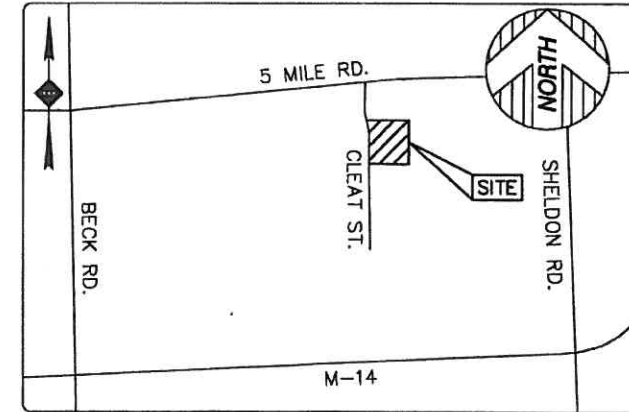


TOWNSHIP OF PLYMOUTH STORM
MAINTENANCE RESPONSIBILITY

LEGAL DESCRIPTION:

LAND SITUATED IN THE TOWNSHIP OF PLYMOUTH, COUNTY
OF WAYNE, STATE OF MICHIGAN IS DESCRIBED AS FOLLOWS:

LOT 9, 10 AND 11, METRO WEST INDUSTRIAL PARK
SUBDIVISION NO. 1, AS RECORDED IN LIBER 100 OF PLATS,
PAGES 82, 83, 84 AND 85, WAYNE COUNTY RECORDS.



SITE LOCATION MAP
NOT TO SCALE



EXHIBIT "A" - PHYSICAL LIMITS OF STORMWATER MANAGEMENT SYSTEM

KEM-TEC & ASSOCIATES						
PROFESSIONAL ENGINEERS PROFESSIONAL SURVEYORS 22356 GRATIOT AVENUE EASTPOINT, MI 48021 PHONE (586)-772-2222 FAX: (586)-772-4048						
2	02/13/2018	1	02/07/2018	ISSUE	DATE	BY
STORMWATER MAINTENANCE EXHIBIT "A"						
GLOBAL CNC INDUSTRIES PROPOSED BUILDING ADDITION AND PARKING LOT IMPROVEMENTS PARCEL ID: 78009010009300 15150 CLEAT STREET CHARTER TOWNSHIP OF PLYMOUTH WAYNE COUNTY, MI						
NOT APPROVED FOR CONSTRUCTION						
SCALE: (H) 1" = 100'						
PROJECT ID: M-17206						
TITLE: EXHIBIT A						
SHEET: 1 OF 1						

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

Wayne County DPS Permit No.: M –
Wayne County DPS Plan review No.: R17- 588

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, manufactured treatment system, regional detention basin and outlet pipes that convey flow from the site to the existing regional detention basin. 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 "Global CNC Industries SWMS".

B. Time Frame for Long-Term Maintenance Responsibility

Stassinios Livonia, LLC is responsible for maintaining the Global CNC Industries 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 Global CNC Industries 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 Global CNC Industries SWMS. The resolution by which the Plymouth Township has assumed maintenance responsibility is attached to the permit as Exhibit C. Stassinios Livonia, 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 Global CNC Industries SWMS if Stassinios Livonia, LLC fails to perform the required maintenance activities. To ensure that the Global CNC Industries SWMS is maintained in perpetuity, the map of 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 will be recorded with the Wayne County Register of Deeds. Upon recording, a copy of the recorded documents will be provided to the County.



D. Long-Term Maintenance Plan and Schedule

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

TABLE 1 STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SCHEDULE						
MAINTENANCE ACTIVITIES	SYSTEM COMPONENTS	Storm Sewer Collection System (Catch Basins, Manholes, Swales, Sewers)	Manufactured Treatment Systems	Regional Detention Basin	Outlet Pipes	Pavement Areas
Monitoring/Inspection						
Inspect for Sediment Accumulation*		X	X	X		Annually
Inspect For Floatables, Dead Vegetation & Debris		X		X		Annually & After Major Events
Inspect For Erosion And Integrity of System		X	X	X	X	Annually & After Major Events
Inspect All Components During Wet weather & Compare to As-Built Plans		X	X	X	X	Annually
Ensure Maintenance Access Remain Open/Clear		X	X	X	X	Annually
Preventative Maintenance						
Mowing		X		X		Select Areas only
Remove Accumulated sediments		X	X	X	X	As Needed*
Remove Floatables, Dead Vegetation & Debris		X		X		As Needed
Sweeping of Paved Surfaces						X As Needed
Remedial Actions						
Repair/Stabilize Areas of Erosion		X	X	X	X	As Needed
Structural Repairs		X	X	X	X	As Needed
Make Adjustments/Repairs to Ensure Proper Functioning		X	X	X	X	As Needed

NOTE: *Manufactured Treatment systems & Regional Detention Basin to be cleaned whenever sediments accumulate to a depth of 6-12 inches, or if sediment re-suspension is observed.

PROPERTY INFORMATION:	PROPERTY OWNER:	ENGINEER:	DATE: 02 /07/ 2018
Global CNC Industries 15150 Cleat Street Plymouth Township, MI	Stassinios Livonia, LLC 15150 Cleat Street Plymouth Township, MI 48170 Contact: Lambros Stassinios Phone: (734) 464-1929	KEM – TEK & Associates 22556 Gratiot Avenue Eastpointe, MI 48021 Phone: (586) 772-2222 Fax: (586) 772-4048	SHEET 1 OF 1

SHEET: 1 OF 1	EXHIBIT B	SCALE: (H) N/A PROJECT ID: 14-17206 TITLE:		STORMWATER MAINTENANCE EXHIBIT "B" GLOBAL CNC INDUSTRIES PROPOSED BUILDING ADDITION AND PARKING LOT IMPROVEMENTS PARCEL ID: 78009010009300 15150 CLEAT STREET CHARTER TOWNSHIP OF PLYMOUTH WAYNE COUNTY, MI	 KEM-TEC & ASSOCIATES PROFESSIONAL ENGINEERS PROFESSIONAL SURVEYORS 22556 GRATIOT AVENUE EASTPOINTE, MI 48021 PHONE (586)-772-2222 FAX: (586)-772-4048			
						2	02/13/2018	GAE
						1	02/07/2018	GAE
						ISSUE	DATE	BY

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.4
PLYMOUTH PARK & EATS STORM
DRAIN AGREEMENT
RESOLUTION #2019-10-08-95**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Plymouth Park & Eats Storm Drain Agreement, Resolution #2019-10-08-95

PRESENTERS: 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: I move to adopt **Resolution #2019-10-08-95** authorizing the township supervisor to sign the Wayne County Permit C-51207-1 and approve the storm drain agreement with Nextgen Detroit - Plymouth Park & Eats, LLC and authorize the township supervisor and clerk to execute same.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO APPROVE
STORM DRAIN AGREEMENT - NEXTGEN DETROIT -
PLYMOUTH PARK & EATS, LLC**

RESOLUTION #2019-10-08-95

WHEREAS, the Charter Township of Plymouth has been requested by NEXTGEN DETROIT - PLYMOUTH PARK & EATS, LLC to assume jurisdiction and maintenance of a certain storm drain (or storm sewer, as the case may be); and,

WHEREAS, the Wayne County Department of Public Services for the County of Wayne is agreeable to such request and has prepared a Permit No. C-51207-1 to be entered into by said Wayne County Department of Public Services, the Charter Township of Plymouth, and NEXTGEN DETROIT - PLYMOUTH PARK & EATS, LLC for the purposes therein stated; and,

WHEREAS, the Charter Township of Plymouth is under no legal duty to assume such jurisdiction and maintenance or to enter into the aforesaid permit for the particular benefit of NEXTGEN DETROIT - PLYMOUTH PARK & EATS, 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 Charter Township of Plymouth; and,

WHEREAS, NEXTGEN DETROIT - PLYMOUTH PARK & EATS, LLC as willingly and freely affirmed the desire and intent to execute and record instruments for the purpose of insuring that the Charter Township of Plymouth will be held harmless from all costs and expenses in any way pertaining to the Charter Township of Plymouth assuming the afore described maintenance and jurisdiction or to the aforesaid permit being executed by the Charter Township of Plymouth;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth shall assume jurisdiction and maintenance of the storm drain servicing the premises at the street address of 39411 Schoolcraft, Plymouth, Michigan 48170 and owned by NEXTGEN DETROIT - PLYMOUTH PARK & EATS, LLC.

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute Permit No. C-51207-1 of the Wayne County Department of Public Services on behalf of the Charter Township of Plymouth; and,

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute the Storm Drain Agreement on behalf of the Charter Township of Plymouth together with NEXTGEN DETROIT - PLYMOUTH PARK & EATS, LLC in the form and substance of the instrument presented to this Board.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

STORM DRAIN AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of _____, A.D., 20____, by and between the PLYMOUTH CHARTER TOWNSHIP, a Municipal Corporation, 9955 North Haggerty Road, Plymouth, Michigan 48170, hereinafter referred to as "TOWNSHIP", and NextGen Detroit – Plymouth Park & Eats, LLC whose address is 965 Wanda, Suite E, Ferndale, Michigan 48220 hereinafter referred to as "PROPRIETOR", in consideration of the TOWNSHIP adopting a Resolution assuming jurisdiction and maintenance of a certain storm drain, a copy of which is attached as Exhibit A and incorporated by reference, and executing a certain Permit, a copy of which is attached as Exhibit B and incorporated by reference, with the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, COUNTY OF WAYNE, MICHIGAN, a public body corporate, providing certain duties and obligations undertaken by the TOWNSHIP in respect to a storm drain for the ultimate proximate benefit of PROPRIETOR and the special benefit of land within the PLYMOUTH CHARTER TOWNSHIP, County of Wayne and State of Michigan, hereinafter termed "SPECIALLY BENEFITED DISTRICT", described as:

Property Tax I.D.: 78-024-99-0049-000

Property Address: 39411 Schoolcraft, Plymouth Township, MI

Legal Description: A parcel of land being part of the SE ¼ of Section 24, Town 1 South, Range 8 East, Plymouth Township, Wayne County, Michigan being more particularly described as: Beginning at the SE corner of Section 24, thence South 88 degrees 26 minutes 00 seconds West 136.00 feet along the South line of said Section 24; thence North 00 degrees 39 minutes West 155.54 feet (recorded as 155.05 feet) to a point on the Southerly right-of-way line of Schoolcraft Road (as monumented), thence South 79 degrees 31 minutes 00 seconds East 138.53 feet (recorded as 138.60 feet) along said Southerly right-of-way line to a point on the east line of said Section 24, said line also being the centerline of Eckles Road (120.00 feet wide); thence South 00 degrees 39 minutes 31 seconds East 126.72 feet (South 00 degrees 39 minutes 00 seconds East 126.12 feet) along the East line and centerline to the Point of the Beginning. Containing 0.44 acre more or less.

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

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

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

2. Upon completion of the PROPRIETOR'S construction, payment by the PROPRIETOR of the TOWNSHIP'S inspection and review fees, and submission of approved as built plans and specifications, the TOWNSHIP shall assume jurisdiction of the storm drain and maintain the same at its own cost and expense, subject to complete reimbursement of the same by the owners (at any time

hereafter) of all lands in the aforescribed SPECIALLY BENEFITED DISTRICT and subject to such security and bonds as the TOWNSHIP may require of the PROPRIETOR.

3. The PROPRIETOR and the owners, their agents, heirs, successors and assigns, of all lands in the SPECIALLY BENEFITED DISTRICT shall defend, indemnify and save harmless from risk of loss and all expenses, costs, interest, actual attorneys' fees, settlement sums and judgments, if any, the TOWNSHIP from any claims, demands, actions, damages and injuries of any kind, nature or description which may hereafter at any time be made against the TOWNSHIP, whether directly or indirectly, on account of, arising from or occurring as a result of the design, construction, use, maintenance, repair, discharge to, violation of the Clean Water Act, or operation, or the omission of any of the same, of the storm drain and the appurtenances, connections, attachments and appliances thereof.

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

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

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

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

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

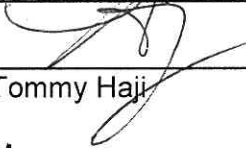
Further, the PROPRIETOR shall forthwith record this Storm Drain Agreement with the Wayne County Register of Deeds at PROPRIETOR'S sole cost and expense and furnish to the TOWNSHIP satisfactory evidence of such recording.

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

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

PROPRIETOR

NextGen Detroit – Plymouth Park & Eats, LLC

By:  _____

Tommy Haji

Its: Manager

By: _____

Its: _____

PLYMOUTH CHARTER TOWNSHIP

By: _____

Kurt L. Heise

Its: Supervisor

By: _____

Jerry Vorva

Its: Clerk

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

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



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

ADDENDUM

C-51207-1

24747

ISSUE DATE

EXPIRES

5/6/2019

5/1/2021

REVIEW No

WORK ORDER

R 18-327

80210

PROJECT NAME

PLYMOUTH PARK & EATS ADDENDUM - #1

LOCATION

SCHOOLCRAFT AND ECKLES ROADS (SW CORNER OF SCHOOLCRAFT AND ECKLES ROADS)

CITY/TWP

PLYMOUTH TWP

PERMIT HOLDER

NEXTGEN DETROIT LLC
965 WANDA, SUITE E
FERNDAL, MI 48220

CONTRACTOR

SOLE BUILDING COMPANY
5940 COMMERCE DRIVE
WESTLAND MI 48185

CONTACT

TOMMY HAJI

(248) 425-7873

CONTACT

ABOUD ATIYEH

(734) 216-0111 (Cell)

(734) 326-5455

DESCRIPTION OF PERMITTED ACTIVITY

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

TO CONSTRUCT INFILTRATION SYSTEM PER THE APPROVED PLANS AND AS DIRECTED BY THE COUNTY ENGINEER.

SPECIAL CONDITIONS:

ALL PERMITTED ACTIVITIES IN THE ORIGINAL PERMIT AND PREVIOUS ADDENDUM(S) REMAIN THE SAME UNLESS OTHERWISE AMENDED BY THIS ADDENDUM.

FINANCIAL SUMMARY		DEPOSITOR		APPROVED PLANS PREPARED BY	
PERMIT FEE	\$0.00	NEXTGEN DETROIT LLC		NextGen Detroit LLC	
PLAN REVIEW FEE	\$540.00	965 WANDA, SUITE E		PLANS APPROVED BY	
PARK FEE	\$0.00	FERNDAL, MI 48220		DATE PLANS APPROVED	
OTHER FEE	\$0.00	BANK	CHECK TYPE	Kassem, H. 5/6/2019	
BOND	\$0.00	CHASE BANK	COMPANY CHECK	REQUIRED ATTACHMENTS	
INSPECTION DEPOSIT	\$0.00		1014	Approved Plans, General Conditions	
OTHER BOND	\$0.00			Indemnity and Insurance Attachment	
TOTAL COSTS	\$540.00			Rules, Specifications and Procedures for Permit	
TOTAL CHECK AMOUNT				www.waynecounty.com/dps_engineering_cpoffice.htm	
CASHIER	DATE			(PERMIT VALID ONLY IF ACCOMPANIED BY ABOVE ATTACHMENTS)	
	5/6/2019				

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.

TOMMY HAJI
PERMIT HOLDER / AUTHORIZED AGENT

ABOUD ATIYEH
CONTRACTOR / AUTHORIZED AGENT

5-6-19

DATE

5-6-19

DATE

WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES

VALIDATED BY

PERMIT COORDINATOR

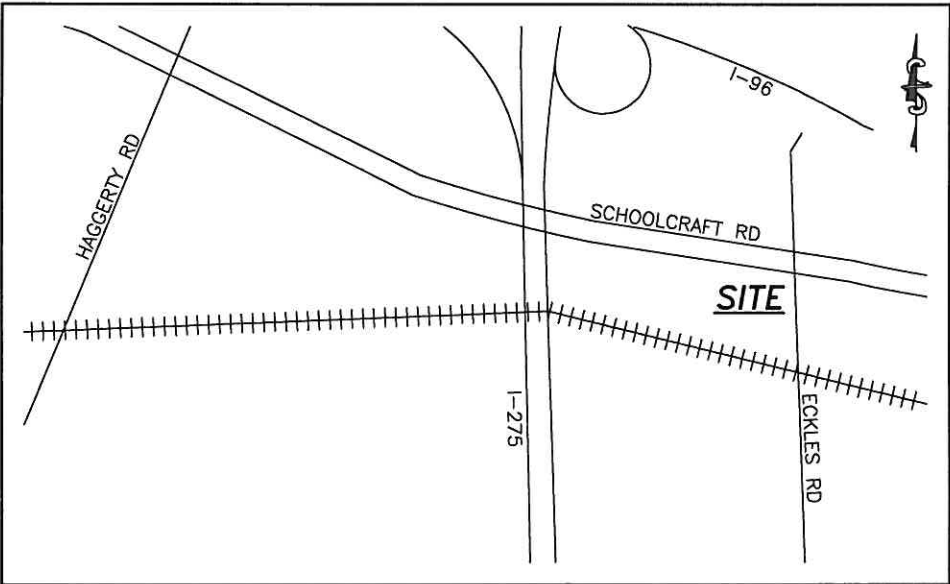
H.K.

PREPARED BY

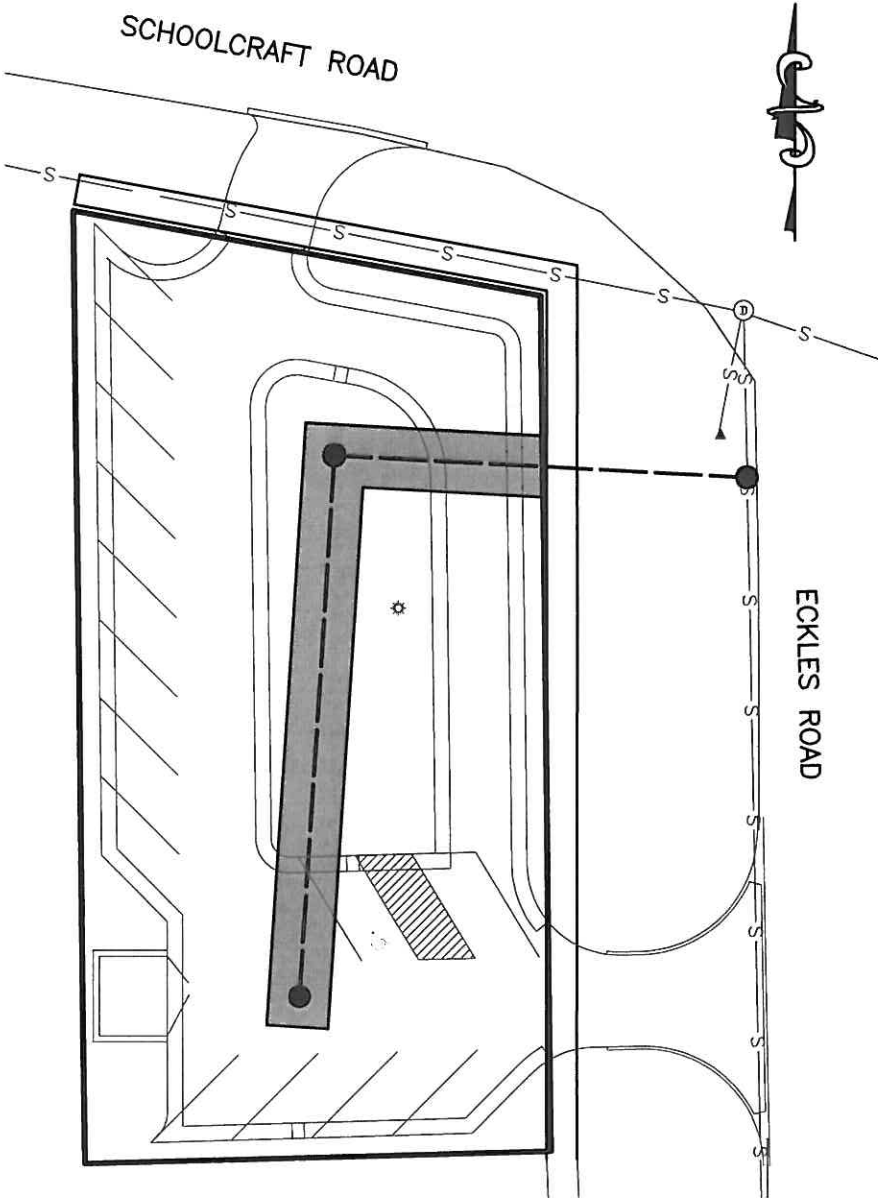
DATE

05/06/2019

EXHIBIT A – PHYSICAL LIMITS OF STORM WATER MANAGEMENT SYSTEM
WCDPS PERMIT NUMBER:
WCDPS PLAN REVIEW NUMBER: R18-327



LOCATION MAP
NOT TO SCALE



LEGEND

PROPERTY OWNER STORM
WATER MANAGEMENT
SYSTEM
MAINTENANCE
JURISDICTION

LEGAL DESCRIPTION
(BY OTHERS)


PARCEL ID# R-78-024-99-0049-000
COMMONLY KNOWN AS: 39411 SCHOOLCRAFT
ROAD

A PARCEL OF LAND BEING PART OF THE
SOUTHEAST 1/4 OF SECTION 24, TOWN 1
SOUTH RANGE 8 EAST, PLYMOUTH TOWNSHIP,
WAYNE COUNTY, MICHIGAN, BEING MORE
PARTICULARLY DESCRIBED AS: BEGINNING AT
THE SOUTHEAST CORNER OF SAID SECTION
24; THENCE SOUTH 88 DEGREES 26 MINUTES
00 SECONDS WEST 136.00 FEET ALONG THE
SOUTH LINE OF SAID SECTION 24; THENCE
NORTH 00 DEGREES 39 MINUTES 00 SECONDS
WEST 155.44 FEET (RECORDED AS 155.05
FEET) TO A POINT ON THE SOUTHERLY RIGHT
OF WAY LINE OF SCHOOLCRAFT ROAD (AS
MONUMENTED); THENCE SOUTH 79 DEGREES
31 MINUTES 00 SECONDS EAST 138.53 FEET
(RECORDED AS 138.60 FEET) ALONG SAID
SOUTHERLY RIGHT OF WAY LINE TO A POINT
ON THE EAST LINE OF SAID SECTION 24,
SAID LINE ALSO BEING THE CENTERLINE OF
ECKLES ROAD (120 FEET WIDE; THENCE
SOUTH 00 DEGREES 39 MINUTES 31 SECONDS
EAST 126.72 FEET (SOUTH 00 DEGREES 39
MINUTES 00 SECONDS EAST 126.12 FEET
ALONG THE EAST LINE AND CENTERLINE TO
THE POINT OF BEGINNING. CONTAINING 0.44
ACRES OF LAND MORE OR LESS. ALSO
SUBJECT TO ANY OTHER EASEMENTS OR
RESTRICTIONS OF USE OR RECORD.



ALPINE
ENGINEERING, INC.
CIVIL ENGINEERS & LAND SURVEYORS

46892 WEST ROAD
SUITE 109
NOVI, MICHIGAN 48377
(248) 926-3701 (BUS)
(248) 926-3765 (FAX)

CLIENT:		DATE: 2019-04-09	
SOLE CONSTRUCTION		DRAWN BY: SD	
EXHIBIT A		CHECKED BY: TG	
		 NOT TO SCALE	
39411 SCHOOLCRAFT ROAD		FBK:	1
SECTION: 24 TOWNSHIP: 1 S RANGE: 8 E		CHF:	
PLYMOUTH TOWNSHIP			
WAYNE COUNTY			
MICHIGAN		SCALE	HOR 1"= FT.
		VER 1"=	FT.

19-224

EXHIBIT B – STORM WATER MANAGEMENT SYSTEM – LONG TERM MAINTENANCE PLAN
WCDPS PERMIT NUMBER: _____
WCDPS PLAN REVIEW NUMBER: R18-327

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, MANHOLE, UNDERGROUND INFILTRATION SYSTEM, OUTLET CONTROL STRUCTURE, AND OUTLET PIPE THAT CONVEYS FLOW FROM THE INFILTRATION SYSTEM TO THE CITY OWNED STORM SEWER LOCATED IN ECKLES ROAD. 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 "PLYMOUTH PARK & EATS SWMS".

B. TIME FRAME FOR LONG-TERM MAINTENANCE RESPONSIBILITY

"NEXTGEN DETROIT LLC" IS RESPONSIBLE FOR MAINTAINING THE "PLYMOUTH PARK & EATS 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 "PLYMOUTH PARK & EATS SWMS" COMMENCES WHEN DEFINED BY THE MAINTENANCE PERMIT ISSUED BY THE CITY AND/OR COUNTY. LONG-TERM MAINTENANCE CONTINUES IN PERPETUITY.

C. MANNER OF INSURING MAINTENANCE RESPONSIBILITY

THE TOWNSHIP OF PLYMOUTH HAS ASSUMED RESPONSIBILITY FOR LONG-TERM MAINTENANCE OF "PLYMOUTH PARK & EATS SWMS". THE RESOLUTION BY WHICH THE TOWNSHIP OF PLYMOUTH HAS ASSUMED MAINTENANCE RESPONSIBILITY IS ATTACHED TO THE PERMIT AS EXHIBIT C. THE "PLYMOUTH PARK & EATS SWMS", THROUGH A MAINTENANCE AGREEMENT WITH THE TOWNSHIP OF PLYMOUTH, HAS AGREED TO PERFORM THE MAINTENANCE ACTIVITIES REQUIRED BY THIS PLAN. THE TOWNSHIP OF PLYMOUTH RETAINS THE RIGHT TO ENTER THE PROPERTY AND PERFORM THE NECESSARY MAINTENANCE OF THE "PLYMOUTH PARK & EATS SWMP" IF THE "NEXTGEN DETROIT LLC" FAILS TO PERFORM THE REQUIRED MAINTENANCE ACTIVITIES. TO ENSURE THAT THE "PLYMOUTH PARK & EATS SWMP" 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 TOWNSHIP OF PLYMOUTH 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 WATERCOURSES. TABLE 1 ALSO IDENTIFIES SITE-SPECIFIC WORK NEEDED TO ENSURE THAT THE STORM WATER MANAGEMENT SYSTEM FUNCTIONS PROPERLY AS DESIGNED.

TABLE 1 - STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SCHEDULE

Maintenance Activities	SYSTEM COMPONENT				Frequency
	<i>Catch Basins, Inlets, and Storm Sewers</i>	<i>Infiltration Pipe and Rock Bedding</i>	<i>Swales and Grass Areas</i>	<i>pavement areas, etc</i>	
Monitoring/Inspection					
Inspect for sediment accumulation	X	X	X		Annually
Inspect for floatables and debris	X	X	X		Annually & after major events
Inspection for erosion	X	X	X		Annually & after major events
Monitor plantings/vegetation			X		2 times per year
Inspect all components during wet weather & compare to as-built plans	X	X	X		Annually
Ensure maintenance access remain open/clear	X	X	X		Annually
Preventative Maintenance					
Mowing			X		As needed
Remove/vacuum accumulated sediments	X	X			As needed **
Remove floatables, debris, etc.	X	X	X		As needed
Sweeping of paved surfaces, etc.				X	As needed
Remedial Actions					
Repair/stabilize areas of erosion			X		As needed
Replace dead plantings and trees, re-seed bare areas			X		As needed
Structural repairs	X	X		X	As needed**
Make adjustments/repairs to ensure proper functioning	X	X	X		As needed**

* Not to exceed the length allowed by local community ordinance

** Infiltration system to be cleaned out when sediments accumulate to a depth of 6-12 inches, or if signs of infiltration are not observed.

PROJECT:
 PLYMOUTH PARKS & EATS
 39411 SCHOOLCRAFT ROAD
 PLYMOUTH TOWNSHIP, MI 48170

PROPERTY OWNER:
 NEXTGEN DETROIT LLC
 965 WANDA
 FERNDAL, MI 48220
 PHONE: (248) 425-7873

ENGINEER:
 ALPINE ENGINEERING, INC.
 46892 WEST ROAD, SUITE 109
 NOVI, MICHIGAN 48377
 PHONE: (248) 926-3701



CLIENT:	SOLE CONSTRUCTION	DATE:	2019-04-09
	EXHIBIT B	DRAWN BY:	SD
	39411 SCHOOLCRAFT ROAD	CHECKED BY:	TG
SECTION: 24	TOWNSHIP: 1 S	RANGE: 8 E	NOT TO SCALE
PLYMOUTH TOWNSHIP	WAYNE COUNTY	FBK:	1
MICHIGAN		CHF:	19-224
		SCALE	HOR 1"= FT. VER 1"= FT.

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.5
THE WOODS STORM DRAIN
AGREEMENT
RESOLUTION #2019-10-08-96**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: The Woods Storm Drain Agreement, Resolution #2019-10-08-96

PRESENTERS: 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: I move to adopt **Resolution #2019-10-08-96** authorizing the township supervisor to sign the Wayne County Permit M-50767 and approve the storm drain agreement with ELLE Development, LLC and authorize the township supervisor and clerk to execute same.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

STORM DRAIN AGREEMENT- ELLE DEVELOPMENT, LLC

RESOLUTION #2019-10-08-96

WHEREAS, the Charter Township of Plymouth has been requested by ELLE DEVELOPMENT, LLC to assume jurisdiction and maintenance of a certain storm drain (or storm sewer, as the case may be); and,

WHEREAS, the Wayne County Department of Public Services for the County of Wayne is agreeable to such request and has prepared a Permit No. M-50767 to be entered into by said Wayne County Department of Public Services, the Charter Township of Plymouth, and ELLE DEVELOPMENT, LLC for the purposes therein stated; and,

WHEREAS, the Charter Township of Plymouth is under no legal duty to assume such jurisdiction and maintenance or to enter into the aforesaid permit for the particular benefit of ELLE DEVELOPMENT, 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 Charter Township of Plymouth; and,

WHEREAS, ELLE DEVELOPMENT, LLC as willingly and freely affirmed the desire and intent to execute and record instruments for the purpose of insuring that the Charter Township of Plymouth will be held harmless from all costs and expenses in any way pertaining to the Charter Township of Plymouth assuming the afore described maintenance and jurisdiction or to the aforesaid permit being executed by the Charter Township of Plymouth;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth shall assume jurisdiction and maintenance of the storm drain servicing the premises at the street address of 45980 Ann Arbor Road, Plymouth, Michigan 48170 and owned by ELLE DEVELOPMENT, LLC.

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute Permit No. M-50767 of the Wayne County Department of Public Services on behalf of the Charter Township of Plymouth; and,

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute the Storm Drain Agreement on behalf of the Charter Township of Plymouth together with ELLE DEVELOPMENT, LLC in the form and substance of the instrument presented to this Board.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

STORM DRAIN AGREEMENT

THIS AGREEMENT, made and entered into this 25th day of October, A.D., 20 18, by and between the PLYMOUTH CHARTER TOWNSHIP, a Municipal Corporation, 9955 North Haggerty Road, Plymouth, Michigan 48170, hereinafter referred to as "TOWNSHIP", and ELLE Development, LLC whose address is 671 N. Evergreen Street, Plymouth Township, Michigan 48170 hereinafter referred to as "PROPRIETOR", in consideration of the TOWNSHIP adopting a Resolution assuming jurisdiction and maintenance of a certain storm drain, a copy of which is attached as Exhibit A and incorporated by reference, and executing a certain Permit, a copy of which is attached as Exhibit B and incorporated by reference, with the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, COUNTY OF WAYNE, MICHIGAN, a public body corporate, providing certain duties and obligations undertaken by the TOWNSHIP in respect to a storm drain for the ultimate proximate benefit of PROPRIETOR and the special benefit of land within the PLYMOUTH CHARTER TOWNSHIP, County of Wayne and State of Michigan, hereinafter termed "SPECIALLY BENEFITED DISTRICT", described as:

Property Tax I.D.: 78-053-99-0006-000

Property Address: 45980 Ann Arbor Road, Plymouth Township, MI

Legal Description: (PER WARRANTY DEED, LIBER 53906, PG. 191)

THE FOLLOWING DESCRIBED PREMISES SITUATED IN THE TOWNSHIP OF PLYMOUTH, WAYNE COUNTY, STATE OF MICHIGAN:

THAT PART OF THE NORTHEAST 1/4 OF SECTION 33, TOWN 1 SOUTH RANGE 8 EAST, DESCRIBED AS BEGINNING AT A POINT ON THE EAST AND WEST 1/4 LINE SAID SECTION DISTANT SOUTH 89 DEGREES 45 MINUTES EAST 1053.80 FEET FROM THE CENTER 1/4 CORNER OF SECTION 33 AND PROCEEDING; THENCE SOUTH 89 DEGREES, 45 MINUTES EAST ALONG SAID LINE 263.20 FEET; THENCE NORTH 0 DEGREES, 02 MINUTES EAST 826.73 FEET; THENCE NORTH 89 DEGREES 45 MINUTES WEST 263.68 FEET; THENCE SOUTH 826.73 FEET TO THE POINT OF BEGINNING.

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

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

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

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

3. The PROPRIETOR and the owners, their agents, heirs, successors and assigns, of all lands in the SPECIALLY BENEFITED DISTRICT shall defend, indemnify and save harmless from risk of loss and all expenses, costs, interest, actual attorneys' fees, settlement sums and judgments, if any, the TOWNSHIP from any claims, demands, actions, damages and injuries of any kind, nature or description which may hereafter at any time be made against the TOWNSHIP, whether directly or indirectly, on account of, arising from or occurring as a result of the design, construction, use, maintenance, repair, discharge to, violation of the Clean Water Act, or operation, or the omission of any of the same, of the storm drain and the appurtenances, connections, attachments and appliances thereof.

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

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

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

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

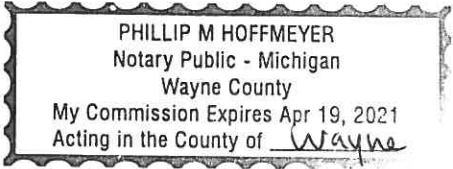
(b) The owner(s) of the land, and their agents, heirs, successors and assigns, shall be jointly and severally liable for all costs and expenses incurred by the PLYMOUTH CHARTER TOWNSHIP, together with reasonable charges for its administration, supervision and management, in inspecting, repairing, maintaining, removing, installing, reinstalling and constructing the storm drain which is the subject of paragraph (a), immediately hereinbefore set forth. Such costs, expenses and charges shall be due and owing upon the PLYMOUTH CHARTER TOWNSHIP communicating the same in writing to the last known address of said PROPRIETOR filed with the Township Clerk and to the address of owner(s) as set forth on the then existing tax roll by first class mail, postage prepaid, and a proof of

STATE OF MICHIGAN)
)ss.
COUNTY OF WAYNE)

The foregoing instrument was acknowledged before me this 25 day of October, 2018,
by Jeffrey O'Brien Managing Member
 Individual Name(s) and Office Held
of ELLE Development, LLC, a Michigan LLC Corporation, on behalf
of Corporate Name State of Incorporation
the Corporation.

Phillip M Hoffmeyer

Notary Public
Wayne County, Michigan
My Commission Expires: 04-19-2021



STATE OF MICHIGAN)
)ss.
COUNTY OF WAYNE)

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

Notary Public

Wayne County, Michigan
My Commission Expires: _____

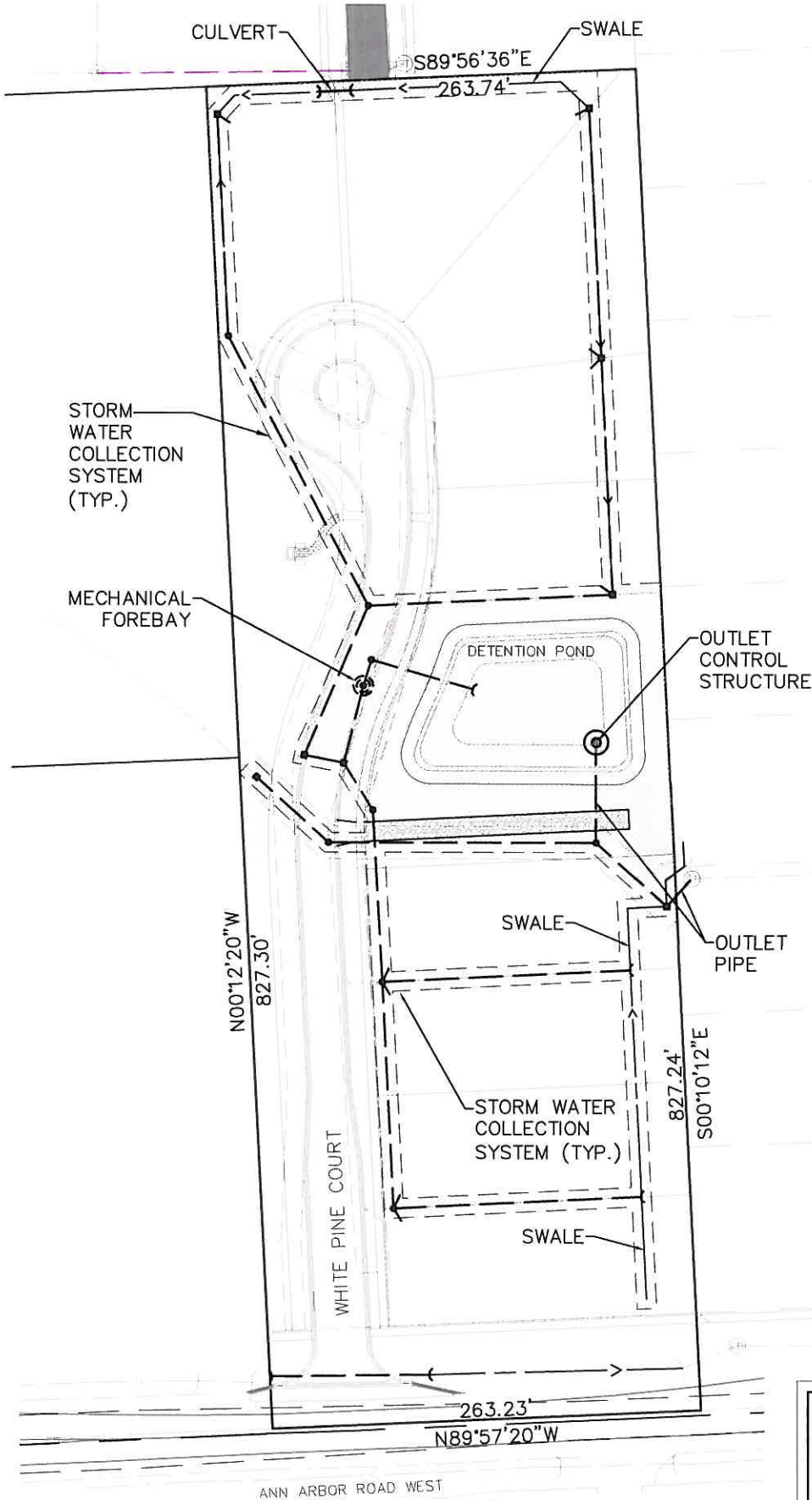
When recorded, return to:

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

Drafted by:

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

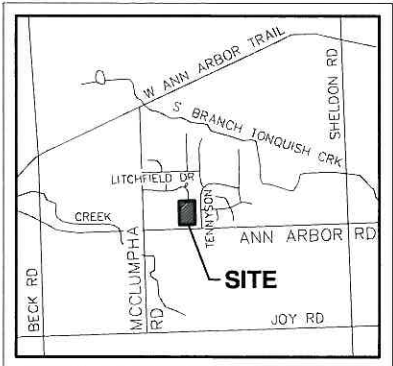
EXHIBIT A
PHYSICAL LIMITS OF STORM WATER MANAGEMENT SYSTEM



LEGEND

- PLYMOUTH TOWNSHIP STORM MAINTENANCE RESPONSIBILITY
- STORM SEWERS

SEE LEGAL DESCRIPTION
ON SHEET 2 OF 2



VICINITY MAP
NOT TO SCALE

SECTION: 33	CLIENT: ELLE DEVELOPMENT, LLC	JOB: 1051-17-8155
1S-8E	PROJECT: THE WOODS	DATE: 4/13/2018
COMMUNITY: PLYMOUTH TWP.		REV.: 12/11/2018
COUNTY: WAYNE		REV.: 09/26/2019
STATE: MI		BOOK/CREW: BC
 SCALE: 1" = 100'	 METRO CONSULTING ASSOCIATES Relationships Reputation Results 800.525.6016 www.metroca.net	DRAWN BY: RAM/CAR
		CHECK BY: ARW
		SHEET: 1 OF 2

EXHIBIT A

LEGAL DESCRIPTION:

(AS-PROVIDED)

PART OF THE NORTHEAST ¼ OF SECTION 33, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, DESCRIBED AS BEGINNING AT A POINT ON THE EAST AND WEST ¼ LINE OF SECTION 33 DISTANT SOUTH 89°57'20" EAST 1053.80 FEET FROM THE CENTER OF SECTION 33, TOWN 1 SOUTH, RANGE 8 EAST, AND PROCEEDING THENCE NORTH 00°12'20" WEST 827.30 FEET; THENCE ALONG THE SOUTH LINE OF "PLYMOUTH NOTCH SUB'N" AS RECORDED IN LIBER 102 OF PLATS ON PAGES 52, 53 AND 54, WAYNE COUNTY RECORDS, SOUTH 89°56'36" EAST 263.74 FEET; THENCE ALONG THE WEST LINE OF "TRAILWOOD SUBDIVISION NO. 3" AS RECORDED IN LIBER 97 OF PLATS ON PAGES 4,5 AND 6, WAYNE COUNTY RECORDS, SOUTH 00°10'12" EAST 827.24 FEET; THENCE ALONG THE EAST AND WEST ¼ LINE OF SECTION 33, NORTH 89°57'20" WEST 263.23 FEET TO THE POINT OF BEGINNING, CONTAINING 5.003 ACRES. SUBJECT TO THE RIGHTS OF THE PUBLIC AND OF ANY GOVERNMENTAL UNIT IN ANY PART THEREOF USED, TAKEN OR DEEDED FOR STREET, ROAD OR HIGHWAY PURPOSES. SUBJECT TO ALL EASEMENTS AND RESTRICTIONS OF RECORD.

SECTION: 33	CLIENT:	JOB: 1051-17-8155
1S-8E	ELLE DEVELOPMENT, LLC	DATE: 4/13/2018
COMMUNITY: PLYMOUTH TWP.	PROJECT:	REV.: 12/11/2018
COUNTY: WAYNE	THE WOODS	REV.: 09/26/2019
STATE: MI	 METRO CONSULTING ASSOCIATES Relationships Reputation Results 800.525.6016 www.metroca.net	BOOK/CREW: BC
		DRAWN BY: RAM/CAR
		CHECK BY: ARW
		SHEET: 2 OF 2

EXHIBIT B

STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE PLAN

Wayne County DPS Permit No.: M-
Wayne County DPS Plan Review No.: R18-155

A. Physical Limits of the Storm Water Management System

The storm water management system (SWMS) subject to this long-term maintenance plan (Plan) is depicted on Exhibit A to the permit and includes without limitation the storm sewers, catch basins, manholes, inlets, swales, Mechanical Forebay, Detention Basin, buffer strip, outlet control structures, and outlet pipe that conveys flow from the detention basin to the existing natural watercourse located within the site. 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 "The Woods SWMS".

B. Time Frame for Long-Term Maintenance Responsibility

ELLE Development LLC / Home Owners Association (HOA) is responsible for maintaining The Woods 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 Woods 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 The Woods SWMS. The resolution, by which the Plymouth Township has assumed maintenance responsibility is attached to the permit as Exhibit C. ELLE Development LLC / HOA, through a maintenance agreement with the Plymouth Township, has agreed to perform the maintenance activities required by this plan. The Plymouth Township retains the right to enter the property and perform the necessary maintenance of The Woods SWMS if ELLE Development LLC / HOA fails to perform the required maintenance activities. To ensure that The Woods 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 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 detention basin, buffer strip, or watercourses. Table 1 also identifies site-specific work needed to ensure that the storm water management system functions properly as designed.

TABLE 1 - STORM WATER MANAGEMENT SYSTEM LONG-TERM MAINTENANCE SCHEDULE							
MAINTENANCE ACTIVITIES	SYSTEM COMPONENTS	Storm Collection System (Sewers, Swales, Catch Basins, Manholes)	Mechanical Forebay	Detention Basin	Buffer Strip	Outlet Control Structure, Outlet Pipe & Ripraps	Pavement Areas, Others
Monitoring/Inspection							
Inspect for Sediment Accumulation*/Clogging of stones		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 System		X	X	X	X	X	Annually & After Major Events
Inspect All Components During Wet weather & Compare		X	X	X	X	X	Annually
Ensure Maintenance Access Remain Open/Clear		X	X	X	X	X	Annually
Preventative Maintenance							
Mowing		X		X	X		As Needed / per Township Ordinance
Remove Accumulated sediments*		X	X	X		X	As Needed*
Remove Floatables, Invasive & Dead Vegetation & Debris		X		X	X		As Needed
Replace or Wash & Reuse risers stone filters				X			Every 3 Years, or As Needed**
Sweeping of Paved Surfaces & Removing Oil Spills							X As Needed, Remove Oil Spills Immediately
Remedial Actions							
Repair/Stabilize Areas of Erosion		X	X	X	X	X	As Needed
Replace Dead Plantings & Reseed Bare Areas		X		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	As Needed

NOTES: *Mechanical Forebay & Detention Basin shall 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: The Woods 45980 Ann Arbor Road Plymouth Township, Wayne County, Michigan	PROPERTY OWNER: ELLE Development LLC 671 N. Evergreen Plymouth, MI 48170 Contact: Jeff O'Brien Phone: (616) 291-4568	ENGINEER: Metro Consulting Associates, LLC 45345 Five Mile Road Plymouth, MI 48170 Phone: (734) 483-1427 Fax: (734) 483-3431	DATE: 04 / 12 / 2018
			SHEET 1 OF 1

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

72 HOURS BEFORE ANY
CONSTRUCTION, CALL

FOR INSPECTION



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

PERMIT No M-50767	
ISSUE DATE 11/13/2018	EXPIRES
REVIEW No R 18-155	WORK ORDER

PROJECT NAME MAINTENANCE PERMIT FOR THE WOODS	
LOCATION 45980 ANN ARBOR ROAD (EAST OF MCCLUMPHA ROAD)	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)	

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 Metro Consulting Associates	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)
PLANS APPROVED BY Razi, M.	
(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.

PERMIT HOLDER NAME PERMIT HOLDER / AUTHORIZED AGENT	DATE	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	PREPARED BY
		VALIDATED BY PERMIT COORDINATOR	DATE

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.6
POLYTEC STORM DRAIN AGREEMENT
RESOLUTION #2019-10-08-97**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Polytec Storm Drain Agreement, Resolution #2019-10-08-97

PRESENTERS: 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: I move to adopt **Resolution #2019-10-08-97** authorizing the township supervisor to sign the Wayne County Permit M-49619 and approve the storm drain agreement with Polytec, Inc. and authorize the township supervisor and clerk to execute same.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO APPROVE
STORM DRAIN AGREEMENT- POLYTEC, INC.**

RESOLUTION #2019-10-08-97

WHEREAS, the Charter Township of Plymouth has been requested by POLYTEC, INC. 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-49619 to be entered into by said Wayne County Department of Public Services, the Charter Township of Plymouth, and POLYTEC, INC. for the purposes therein stated; and,

WHEREAS, the Charter Township of Plymouth is under no legal duty to assume such jurisdiction and maintenance or to enter into the aforesaid permit for the particular benefit of POLYTEC, INC. 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 Charter Township of Plymouth; and,

WHEREAS, POLYTEC, INC. as willingly and freely affirmed the desire and intent to execute and record instruments for the purpose of insuring that the Charter Township of Plymouth will be held harmless from all costs and expenses in any way pertaining to the Charter Township of Plymouth assuming the afore described maintenance and jurisdiction or to the aforesaid permit being executed by the Charter Township of Plymouth;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth shall assume jurisdiction and maintenance of the storm drain servicing the premises at the street address of 47909 Halyard, Plymouth, Michigan 48170 and owned by POLYTEC, INC.

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute Permit No. M-49619 of the Wayne County Department of Public Services on behalf of the Charter Township of Plymouth; and,

FURTHER, BE IT RESOLVED that the supervisor and clerk of the Charter Township of Plymouth are authorized and empowered to execute the Storm Drain Agreement on behalf of the Charter Township of Plymouth together with POLYTEC, INC. in the form and substance of the instrument presented to this Board.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

STORM DRAIN AGREEMENT

THIS AGREEMENT, made and entered into this _____ day of _____, A.D., 20____ by and between the PLYMOUTH CHARTER TOWNSHIP, a Michigan Municipal Corporation, 9955 N Haggerty Road, Plymouth, Michigan, 48170, hereinafter referred to as "TOWNSHIP", and Polytec, Inc., a California corporation, whose address is 16400 Bake Parkway, Suite 200, Irvine, California 92618 hereinafter referred to as "PROPRIETOR", in consideration of the TOWNSHIP adopting a Resolution assuming jurisdiction and maintenance of a certain storm drain, a copy of which is attached as Exhibit A and incorporated by reference, and executing a certain Permit, a copy of which is attached as Exhibit B and incorporated by reference, with the WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES, COUNTY OF WAYNE, MICHIGAN, a public body corporate, providing certain duties and obligations undertaken by the TOWNSHIP in respect to a storm drain for the ultimate proximate benefit of PROPRIETOR and the special benefit of land within the PLYMOUTH CHARTER TOWNSHIP, County of Wayne and State of Michigan, hereinafter termed "SPECIALLY BENEFITED DISTRICT", described as:

Property Tax I.D.: R-78-007-99-0002-702

Property Address: 47909 Halyard Drive

Legal Description: See attached Exhibit C

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

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

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

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

3. The PROPRIETOR and the owners, their agents, heirs, successors and assigns, of all lands in the SPECIALLY BENEFITED DISTRICT shall defend, indemnify and save harmless from risk of loss and all expenses, costs, interest, actual attorneys' fees, settlement sums and judgments, if any, the TOWNSHIP from any claims, demands, actions, damages, and injuries of any kind, nature or description which may hereafter at any time be made against the TOWNSHIP, whether directly or indirectly, on account of, arising from or occurring as a result of the design, construction, use, maintenance, repair,

discharge to, violation of the Clean Water Act, or operation, or the omission of any of the same, of the storm drain and the appurtenances, connections, attachments and appliances thereof.

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

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

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

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

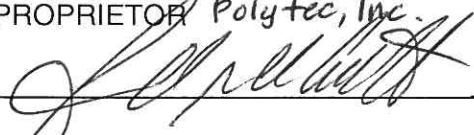
(b) The owner(s) of the land, and their agents, heirs, successors and assigns, shall be jointly and severally liable for all costs and expenses incurred by the PLYMOUTH CHARTER TOWNSHIP, together with reasonable charges for its administration, supervision and management, in inspecting, repairing, maintaining,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

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

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

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

PROPRIETOR *Polytec, Inc.*


By: Arend Van Der Lieth

Its: Appointee

By: _____

Its: _____

PLYMOUTH CHARTER TOWNSHIP

By: _____
Kurt L. Heise

Its: Supervisor

By: _____
Jerry Vorva

Its: Clerk

STATE OF MICHIGAN)
)ss.
 COUNTY OF WAYNE)

The foregoing instrument was acknowledged before me this 7th day of July, 2017,
 by Arend Van Der Lieth

Individual Name(s) and Office Held
 of Polytec, a California Corporation, on
 Corporate Name State of Incorporation
 behalf of the Corporation.

Tricia A. Edens
TRICIA A. EDENS Notary Public
Wayne County, Michigan
 My Commission Expires: 2.25.2022

TRICIA A. EDENS
 NOTARY PUBLIC, STATE OF MI
 COUNTY OF WAYNE
 MY COMMISSION EXPIRES Feb 25, 2022
 ACTING IN COUNTY OF Wayne

STATE OF MICHIGAN)
)ss.
 COUNTY OF WAYNE)

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

 Notary Public

 Wayne County, Michigan
 My Commission Expires: _____

When recorded, return to:

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

Drafted by:

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

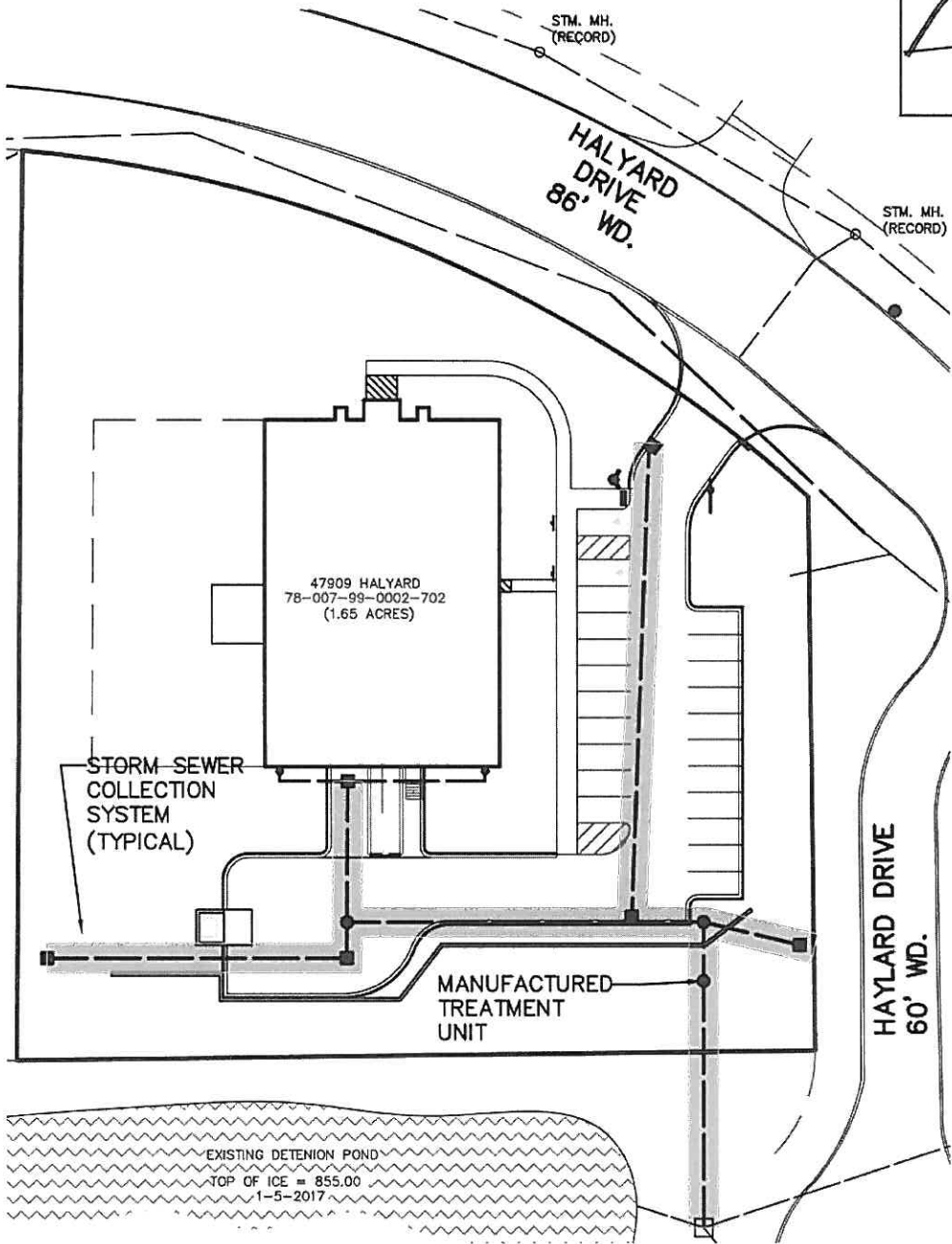
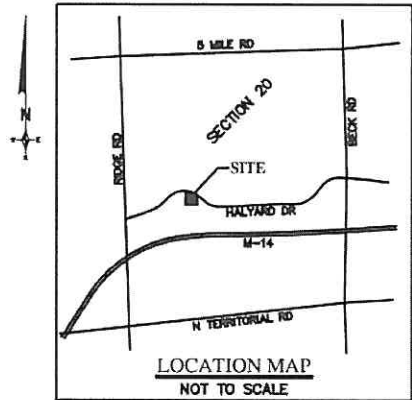
EXHIBIT 'A'
PHYSICAL LIMITS OF STORMWATER MANAGEMENT SYSTEM



LEGEND

--- STORM SEWER

PLYMOUTH TOWNSHIP STORM MAINTENANCE RESPONSIBILITY



PROPERTY INFORMATION:

POLYTEC, INC.
47909 HALYARD ROAD
PLYMOUTH TOWNSHIP, MI

PROPERTY OWNER:

POLYTEC, INC.
C/O HILLSIDE INVESTMENTS
47075 FIVE MILE ROAD
PLYMOUTH, MI 48170

CONTACT:
JASON ANSTANDIG

PHONE:
(734) 335-7160

LEGAL DESCRIPTION:

PART OF THE SOUTHWEST 1/4 OF SECTION 20, T. 1 S., R. 8 E., PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SECTION 20, T. 1 S., R. 8 E.; THENCE ALONG THE EAST AND WEST 1/4 LINE OF SECTION 20, N. 89°49'07" E. 1295.00 FEET; THENCE S. 00°21'50" W. 637.10 FEET; THENCE ALONG THE SOUTH LINE OF HALYARD DRIVE, 86.00 FEET WIDE, AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 17°18'28", CHORD BEARS N. 86°24'13" E. 137.53 FEET, AN ARC DISTANCE OF 138.05 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE SOUTH LINE OF HALYARD DRIVE AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 31°30'04", CHORD BEARS S. 69°11'31" E. 248.11 FEET, AN ARC DISTANCE OF 251.26 FEET; THENCE ALONG THE BOUNDARY OF "METRO WEST TECHNOLOGY PARK" AS RECORDED IN LIBER 102 OF PLATS, PAGES 8 THRU 13, THE FOLLOWING THREE (3) COURSES: ONE (1) ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 05°51'54", CHORD BEARS S. 50°30'33" E. 46.76 FEET, AN ARC DISTANCE OF 46.78 FEET, TWO (2) S. 00°40'00" E. 188.74 FEET, AND THREE (3) S. 89°20'00" W. 272.19 FEET; THENCE N. 00°21'50" E. 309.77 FEET TO THE POINT OF BEGINNING, CONTAINING 1.65 ACRES.

REVISIONS			STORMWATER MANAGEMENT SYSTEM POLYTECH, INC. PLYMOUTH TOWNSHIP, MICHIGAN		DATE	SCALE HOR: 1" = 60'	
ITEM	DATE	BY			4/17/17	FIELD BOOK NO.	
WAYNE COUNTY REVIEW	5.31.17	JJW	ZEIMET WOZNAK & ASSOCIATES Civil Engineers & Land Surveyors 55800 GRAND RIVER AVE, SUITE 100 NEW HUDSON, MICHIGAN 48165 P: (248) 437-5099 F: (248) 437-5222 www.zeimetwozniak.com		DESIGNED BY	JOB NO.	© COPYRIGHT 2007
					JJW	16163	
					DRAWN BY	SHEET NO.	
					SRB	1/1	

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

Wayne County DPS Permit No.: M –
Wayne County DPS Plan review No.: R17- 085

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, manufactured treatment systems, and outlet pipe that convey flow from the site to the existing regional detention basin. 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 "POLYTEC SWMS".

B. Time Frame for Long-Term Maintenance Responsibility

POLYTEC, INC. is responsible for maintaining the POLYTEC 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 POLYTEC 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 POLYTEC SWMS. The resolution by which the Plymouth Township has assumed maintenance responsibility is attached to the permit as Exhibit C. POLYTEC, INC., 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 POLYTEC SWMS if POLYTEC, INC. fails to perform the required maintenance activities. To ensure that the POLYTEC SWMS is maintained in perpetuity, the map of 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 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). Table 1 also identifies site-specific work needed to ensure that the storm water management system functions properly as designed.

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

NOTE: *Manufactured treatment systems to be cleaned according to the manufacturer's recommendations; at a minimum, whenever sediments accumulate to a depth of 6-12 inches, or if sediment resuspension is observed.

PROPERTY INFORMATION:	PROPERTY OWNER:	ENGINEER:	DATE: 03/11/2017
POLYTEC, INC. 47909 Halyard Road Plymouth Township, MI	POLYTEC, INC. C/O Hillside Investments 47075 Five Mile Road PLYMOUTH, MI 48170 Contact: Jason Anstandig Phone: (734) 335-7160	Zeimet Wozniak, & Associates 55800 Grand River Avenue, Suite 100 New Hudson, MI 48165 Phone: (248) 437-5099 Fax: (248) 437-5222	
			SHEET 1 OF 1

REVISIONS			STORMWATER MANAGEMENT SYSTEM POLYTECH, INC. PLYMOUTH TOWNSHIP, MICHIGAN		DATE	SCALE HOR: 1" = NA
ITEM	DATE	BY			4/17/17	FIELD BOOK NO.
WAYNE COUNTY REVIEW	5.31.17	JJW	 Civil Engineers & Land Surveyors 55800 GRAND RIVER AVE, SUITE 100 NEW HUDSON, MICHIGAN 48165 P: (248) 437-5099 F: (248) 437-5222 www.zeimetwozniak.com		DESIGNED BY JJW	JOB NO. 16163
					DRAWN BY SRB	SHEET NO. 1/1

EXHIBIT C

DESCRIPTION OF PROPERTY:

PART OF THE SOUTHWEST 1/4 OF SECTION 20, T. 1 S., R. 8 E., PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SECTION 20, T. 1 S., R. 8 E.; THENCE ALONG THE EAST AND WEST 1/4 LINE OF SECTION 20, N. 89°49'07" E. 1295.00 FEET; THENCE S. 00°21'50" W. 637.10 FEET; THENCE ALONG THE SOUTH LINE OF HALYARD DRIVE, 86.00 FEET WIDE, AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 17°18'28", CHORD BEARS N. 86°24'13" E. 137.53 FEET, AN ARC DISTANCE OF 138.05 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE SOUTH LINE OF HALYARD DRIVE AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 31°30'04", CHORD BEARS S. 69°11'31" E. 248.11 FEET, AN ARC DISTANCE OF 251.26 FEET; THENCE ALONG THE BOUNDARY OF "METRO WEST TECHNOLOGY PARK" AS RECORDED IN LIBER 102 OF PLATS, PAGES 8 THRU 13, THE FOLLOWING THREE (3) COURSES: ONE (1) ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 05°51'54", CHORD BEARS S. 50°30'33" E. 46.76 FEET, AN ARC DISTANCE OF 46.78 FEET, TWO (2) S. 00°40'00" E. 188.74 FEET, AND THREE (3) S. 89°20'00" W. 272.19 FEET; THENCE N. 00°21'50" E. 309.77 FEET TO THE POINT OF BEGINNING, CONTAINING 1.65 ACRES.

REVISIONS			PROPERTY DESCRIPTION POLYTEC, INC.		DATE		SCALE HOR: 1" = NA	
ITEM	DATE	BY			4-13-17		FIELD BOOK NO.	
			PLYMOUTH TOWNSHIP					
			MICHIGAN					
			<div>Z EIMET W OZNAK</div> <div>& ASSOCIATES</div> <div>Civil Engineers & Land Surveyors</div> <div>55800 GRAND RIVER AVE, SUITE 100</div> <div>NEW HUDSON, MICHIGAN 48165</div> <div>P: (248) 437-5099 F: (248) 437-5222 www.zeimetwozniak.com</div>		DESIGNED BY		JOB NO.	
					JJW		16163	
					DRAWN BY		SHEET NO.	
					PTG		1/1	

© COPYRIGHT 2017

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



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

PERMIT No M-49619	
ISSUE DATE 6/10/2017	EXPIRES
REVIEW No R 17-085	WORK ORDER

PROJECT NAME MAINTENANCE PERMIT FOR POLYTEC INC.	
LOCATION 47909 HALYARD (HALYARD RD, BETWEEN RIDGE & BECK, NORTH OF M-14)	CITY/TWP PLYMOUTH TWP
PERMIT HOLDER PLYMOUTH TOWNSHIP 9955 N HAGGERTY RD PLYMOUTH TOWNSHIP, MI 48170-4673	CONTRACTOR
CONTACT KURT HEISE (248) 348-5800	CONTACT <BLANK>
DESCRIPTION OF PERMITTED ACTIVIT (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 Hillside Investment/Lakeshore Contracting	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)
PLANS APPROVED BY Razi, M	(PERMIT VALID ONLY IF ACCOMPANIED BY ABOVE ATTACHMENTS)

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

WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	
PERMIT HOLDER NAME PERMIT HOLDER / AUTHORIZED AGENT	DATE
PREPARED BY	
VALIDATED BY Ms. JANICE CLARKE PERMIT COORDINATOR	DATE

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.7
POLYTEC WATER MAIN EASEMENT
AGREEMENT
RESOLUTION #2019-10-08-98**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Polytec Water Main Easement, **Resolution #2019-10-08-98**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

The Board is required to approve water and sewer easements for all projects within the Charter Township of Plymouth.

Once approved by the board, the documents are signed by the township clerk, the township attorney and the township engineer before recording them with Wayne County. Once recorded, the original easement remains on file in the clerk's office.

ACTION REQUESTED:

Approve the easement.

PROPOSED MOTION: I move to adopt **Resolution #2019-10-08-98** authorizing the township clerk, township attorney and township engineer to sign the Water Main Easement for Polytec, Inc. and to authorize the recording of same.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO AUTHORIZE THE WATER MAIN EASEMENT
FOR POLYTEC, INC.**

RESOLUTION #2019-10-08-98

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall located at 9955 N. Haggerty Road, Plymouth Michigan on October 8, 2019, at 7:00 p.m.

WHEREAS, Polytec, Inc., located at 47909 Halyard, Plymouth, MI 48170 installed a water main necessary for the development of their property; and,

WHEREAS, said water main is a public water main and requires access by the Charter Township of Plymouth for routine maintenance and/or repairs to the water main;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-10-08-98** authorizing the easement for the water main located on the property at Polytec, Inc., 47909 Halyard, Plymouth, Michigan and grants approval for the township clerk, township attorney and township engineer to sign and file and record the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

EASEMENT

Polytec, Inc. having an address of 16400 Bake Parkway, Suite 200, Irvine, California 92618 hereinafter designated "GRANTOR", in consideration of the sum of One Dollar, receipt of which is hereby acknowledged and determined to be fair and just compensation by GRANTOR, does by these presents covenant and warrant that GRANTOR is the fee simple owner of the property described below and does grant and convey to the Plymouth Charter Township, a Michigan municipal corporation, 9955 North Haggerty Road, Plymouth, Michigan 48170, hereinafter designated "GRANTEE", an easement and right of way for the purpose of installation, inspection, maintenance, repair, operation and removal of municipally owned utilities, including without limitation water, storm sewer and sanitary sewer and connections thereto, in, upon and across the property owned by GRANTOR, situated in the Plymouth Charter Township, Wayne County, Michigan and more particularly described in EXHIBITS A and B.

The GRANTEE, its employees, agents or independent contractors, shall have full right upon said property and ingress and egress thereto for the purpose of constructing, installing, maintaining, repairing, altering or removing the aforementioned facilities. Further, for the purpose of storing or moving machinery, materials or other incidentals in connection with and during the construction or maintenance of said work, GRANTEE, its employees, agents or independent contractors, shall have a right of access and use over and across adjoining lands of GRANTOR. Reasonable caution shall be observed by GRANTEE, its employees, agents and independent contractors, for the protection of trees, shrubs, fences and other improvements belonging to GRANTOR. All surplus earth shall be removed from the property or deposited on the property in a manner satisfactory to GRANTOR. Upon completion of installation, construction, maintenance, repairs, alteration or removal of said facilities, the premises shall be left as nearly as reasonably possible in the same condition as before such work began and all machinery, materials and equipment removed.

The granting of the easement as stated herein shall vest in the GRANTEE authority to use said property for the purposes herein designated. This grant of easement shall run with the land and be binding upon the heirs, successors and assigns of GRANTOR and GRANTEE. It is understood and agreed that any and all improvements or appurtenances of the municipally owned utilities in the easement premises shall become and remain at all times the property of the GRANTEE, its successors and assigns, and subject to the GRANTEE'S fees, rules, regulations and ordinances.

END OF PAGE

IN WITNESS WHEREOF, GRANTOR has executed this instrument on July 13, 2017.

GRANTOR Polytec, Inc.

Arend Von Der Lieth
Arend Von Der Lieth

State of MI)
County of Wayne)ss.

The foregoing instrument was acknowledged before me this 13th of July 2017, by Arend Von Der Lieth

Tricia A. Edens
Notary Public, WAYNE County, Michigan

My commission expires: 2-25-2022

TRICIA A. EDENS
NOTARY PUBLIC, STATE OF MI
COUNTY OF WAYNE

This instrument drafted by:

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

After recording return this instrument to me by Feb 25, 2022
ACTING IN COUNTY OF

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

This instrument is exempt from the Michigan transfer tax pursuant to Section 5a, being MCLA 207.505a.

This instrument approved as to form and substance by the Attorney for the Plymouth Charter Township, on _____, 20____.

Kevin Bennett, Township Attorney

The easement description is approved as to form only by Engineer for the Plymouth Charter Township on _____, 20____.

David E. Richmond, P.E., Township Engineer

This instrument accepted by the Board of Trustees of the Plymouth Charter Township at its meeting of _____, 20____, and directed to be recorded.

Jerry Vorva, Plymouth Charter Township Clerk

EXHIBIT A

DESCRIPTION OF PROPERTY:

PART OF THE SOUTHWEST 1/4 OF SECTION 20, T. 1 S., R. 8 E., PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SECTION 20, T. 1 S., R. 8 E.; THENCE ALONG THE EAST AND WEST 1/4 LINE OF SECTION 20, N. 89°49'07" E. 1295.00 FEET; THENCE S. 00°21'50" W. 637.10 FEET; THENCE ALONG THE SOUTH LINE OF HALYARD DRIVE, 86.00 FEET WIDE, AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 17°18'28", CHORD BEARS N. 86°24'13" E. 137.53 FEET, AN ARC DISTANCE OF 138.05 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE SOUTH LINE OF HALYARD DRIVE AND ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 31°30'04", CHORD BEARS S. 69°11'31" E. 248.11 FEET, AN ARC DISTANCE OF 251.26 FEET; THENCE ALONG THE BOUNDARY OF "METRO WEST TECHNOLOGY PARK" AS RECORDED IN LIBER 102 OF PLATS, PAGES 8 THRU 13, THE FOLLOWING THREE (3) COURSES: ONE (1) ALONG A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 05°51'54", CHORD BEARS S. 50°30'33" E. 46.76 FEET, AN ARC DISTANCE OF 46.78 FEET, TWO (2) S. 00°40'00" E. 188.74 FEET, AND THREE (3) S. 89°20'00" W. 272.19 FEET; THENCE N. 00°21'50" E. 309.77 FEET TO THE POINT OF BEGINNING, CONTAINING 1.65 ACRES.

REVISIONS			PROPERTY DESCRIPTION POLYTEC, INC.		DATE 4-13-17	SCALE HOR: 1" = NA	
ITEM	DATE	BY				FIELD BOOK NO.	
			PLYMOUTH TOWNSHIP			DESIGNED BY JJW	JOB NO. 16163
			MICHIGAN				
			<div>Z EIMET W OZ NIAK</div> <div>& ASSOCIATES</div> <div>Civil Engineers & Land Surveyors</div> <div>55800 GRAND RIVER AVE, SUITE 100</div> <div>NEW HUDSON, MICHIGAN 48165</div> <div>P: (248) 437-5099 F: (248) 437-5222 www.zeimetwozniak.com</div>			DRAWN BY PTG	SHEET NO. 1/1



EXHIBIT B

DESCRIPTION OF EASEMENT:

A CENTERLINE DESCRIPTION OF A 12 FOOT WIDE WATERMAIN EASEMENT LOCATED IN THE SOUTHWEST 1/4 OF SECTION 20, T. 1 S., R. 8 E., PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, MORE PARTICULARLY DESCRIBED AS:

COMMENCING AT THE WEST 1/4 CORNER OF SECTION 20, T. 1 S., R. 8 E.; THENCE ALONG THE EAST AND WEST 1/4 LINE OF SECTION 20, N. 89°49'07" E. 1295.00 FEET; THENCE S. 00°21'50" W. 637.10 FEET; THENCE ALONG THE SOUTH LINE OF HALYARD DRIVE, 86.00 FEET WIDE, 411.87 FEET ALONG AN ARC OF A CURVE TO THE RIGHT, RADIUS 457.00 FEET, CENTRAL ANGLE 51°38'12" AND A CHORD THAT BEARS S. 76°25'56" E. 398.07 FEET TO THE POINT OF BEGINNING OF SAID EASEMENT CENTERLINE; THENCE ALONG SAID EASEMENT CENTERLINE S. 45°00'00" W. 14.16 FEET; THENCE DUE WEST 44.00 FEET TO THE POINT OF ENDING OF SAID EASEMENT CENTERLINE.

REVISIONS			WATERMAIN EASEMENT POLYTEC, INC. PLYMOUTH TOWNSHIP MICHIGAN		DATE	SCALE HOR: 1" = 60'	
ITEM	DATE	BY			4-13-17	FIELD BOOK NO.	
			ZEIMET WOZNIAK & ASSOCIATES Civil Engineers & Land Surveyors 55800 GRAND RIVER AVE, SUITE 100 NEW HUDSON, MICHIGAN 48165 P: (248) 437-5099 F: (248) 437-5222 www.zeimetwozniak.com		DESIGNED BY	JOB NO.	© COPYRIGHT 2017
					JJW	16163	
					DRAWN BY	SHEET NO.	
					PTG	2/2	

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.8
JAWS OF LIFE PURCHASE
RESOLUTION #2019-10-08-99**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: October 8, 2019

ITEM: Purchase new 2019 Hurst Edraulics "Jaws of Life" Tools including spreaders, cutters and ram, **Resolution #2019-10-08-99**

PRESENTER: Chief Dan Phillips

BACKGROUND:

Jaws of life are carried on Plymouth Township Fire Engines to free trapped patients from their vehicle in the event of an automobile accident. They are also used in other emergency incidents to free trapped victims. A long-standing history with Hurst brand extrication tools, usability and cost were the main contributing factors in selecting these tools. These tools are greatly improved over our older jaws and can cut through the more stringent crash test standards that modern vehicles are built too. The new jaws will be placed on Ladder 3 which responds as primary fire apparatus on the M-14 Expressway.

ACTION REQUESTED:

Purchase replacement unit that was budgeted in amended 2019 budget. Hurst Edraulics is a sole source provider whose equipment is interchangeable with equipment currently owned and operated by the township fire department. Attached quote is \$29,500.00

BUDGET/ACCOUNT NUMBER:

This item was added in the 2019 amended Budget.

PROPOSED MOTION: I move to adopt **Resolution #2019-10-08-99** authorizing the purchase of the attached quote from Apollo Fire Equipment Company in an amount not to exceed \$29,500 and to authorize the supervisor and clerk to sign all required documents for this purchase.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

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

**RESOLUTION TO EXERCISE PURCHASE OPTION OF
HURST EDRAULIC JAWS OF LIFE**

RESOLUTION #2019-10-08-99

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall located at 9955 N. Haggerty Road, Plymouth Michigan on October 8, 2019, at 7:00 p.m.

WHEREAS, The Board of Trustees of the Charter Township of Plymouth was presented with the option to purchase a Hurst Edraulic Jaws of Life set, to be purchased from the Apollo Fire Equipment Company; and,

WHEREAS, the new jaws set meets the new government crash test standards, standard; and,

WHEREAS, the jaws will be placed in service on Ladder 3;

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2019-10-08-99** authorizing the purchase of a Hurst Edraulic Jaws of Life set in an amount not to exceed \$29,500.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Apollo Fire Equipment Company
Apollo Fire Apparatus Repair, Inc.
 12584 Lakeshore Drive, Romeo, MI 48065
 Phone: (800) 626-7783 Fax: (586) 752-6907

DATE:	03/05/19
TERMS:	NET 30
F.O.B:	DELIVERED
VALID FOR:	270 DAYS
LEAD TIME:	45-60 DAYS

QUOTE #: 03/05/19-3

BILL TO:	PLYMOUTH TWP. FD
ADDRESS:	
ATTN:	CHIEF PHILLIPS

SHIP TO:	SAME
ADDRESS:	
ATTN:	

PHONE:	FAX:	E-MAIL:
--------	------	---------

Scot McLeod, Rescue Tool Specialist
Cell: (586) 924-4052
smcleod@apollofire.com

Product Specifications

SP 555E2 - 271555000

ELECTRO-HYDRAULIC SPREADER

1. The tool is a designed hydraulically activated piston with two equal, opposite light metal alloy spreader arms that are symmetrically opened by mechanical joints, thereby spreading objects. Closing the spreader arms is also carried out hydraulically and mechanically by reverse order of the piston.
2. Electro-hydraulic devices do not need to be connected to an external hydraulic source. Generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.
3. The electro-hydraulic tool is equipped with lights to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery.
4. The cylinder of the tool shall be a one piece design made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor.
5. The spreader can produce a maximum spreading force of up to 147,924 lbf. (658 kN).
6. The tool shall produce a maximum spreading distance of 28.7 in (730 mm).
7. According to NFPA testing standards the HSF test point produced 16,186 lbf (72 kN), the LSF test point produced 11,016 lbf (49 kN).
8. To maximize the capability of the spreader the unit should include an optional chain and shackle package for pulling operations, use only HURST chain set KSV 11. This should not require the removal of the tips for attachment. According to NFPA testing standards the HPF test point produced 10,341 lbf (46 kN), the LPF test point produced 6,295 lbf (28 kN).
9. The tool shall produce a pulling distance of 22.4 in (569 mm).
10. The tips are to be removable, multifunctional tips that can be used for spreading, squeezing and pulling without the need to be changed.
11. The removable tips shall have machined "Sharks Tooth" aggressive 4 row design for maximum performance and gripping capability.
12. The tips shall be easily removed by depressing spring loaded "button" style detent pins.
13. The arms of the tool should be made of aluminium alloy and attach via removable links for ease of repair, efficient power transmission and smooth operation. The arms shall include a metal protective and gripping squeezing plate on both the inside and the outside of each arm.
14. The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The tool must provide a non-interflow shear seal "dead man" actuator, whereby the unit stops functioning when thumb pressure is released. The star grip automatically returns to the central position, guaranteeing the full load-holding.
15. The tool shall have two handles. One located at the center of the tool and the other located below the control mechanism. The center crossbar handle allows easy ergonomic manipulation from the center or either side.
16. The tool will be equipped with a dual pilot check valve. This is to prevent accidental movement of the arms in the event of power loss.
17. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.
18. The tool dimensions without the battery shall not be any longer than 39.4 in (1002 mm), wider than 10.4 in (265 mm) or higher than 11 in (280 mm).
19. The nominal electrical voltage (with power supply) is 24 V. The nominal electrical voltage (with lithium/ion battery) is 25.2 V.
20. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).
21. The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency.
22. The tool shall have an IP protection class rating of IP54.
23. The tool will not weigh more than 44.1 lbs (20 kg) excluding the power supply.

Product Specifications

S 788 E2 - 272788000

ELECTRO-HYDRAULIC CUTTER

1. The tool is designed to be a hydraulically operated piston activating mechanical joints symmetrically to open or close a set of two opposite blade arms whereby cutting surfaces go on top of each other without making contact thus enabling objects to be cut.
2. Electro-hydraulic devices do not need to be connected to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.
3. The electro-hydraulic tool is equipped with light-emitting diodes attached on the operating side to facilitate work under poor lighting conditions. For simplicity, the lights must be powered by the same Lithium-Ion battery that powers the electro-hydraulic tool and not a secondary battery
4. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor.
5. The maximum cutter opening at the tips will be 7.87 in (200 mm).
6. The cutter will be of slightly curved blade geometry for pulling the debris away and to the center with intelligent cutter geometry reducing tool movement and providing maximum cutting performance.
7. The blades shall be made of dropped-forged steel which has a glass-pearl blasted finish and are regrindable. The blades of the tool should be attached to the piston rod via removable links for ease of repair, efficient power transmission and smooth operation. The pivot points of the blades shall have a rubber boot hand guard for safety purposes.
8. The engineered curved blades with sophisticated geometry close at the tips and then pull the object to be cut towards the point where the maximum cutting force is applied to the relevant working range providing superior cutting performance and significantly reducing cutter wear.
9. The cutting performance of the tool shall be able to cut up to 1.65 in (42 mm) diameter round stock steel.
10. The tool shall have a dual pilot check valve to prevent accidental movement of the blades in the event of power loss.
11. The control mechanism shall feature a star-grip control actuator for ease of operation by allowing 360 ° operations in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation.
12. The tool must provide a non-interflow shear seal “dead man” actuator, whereby the unit stops functioning when star grip control valve is released.
13. The opening and closing positions are clearly marked.
14. The tool shall be protected by a pressure relief valve that prevents it from being over pressurized.
15. The tool dimensions without the battery shall not be any longer than 38.9 (988 mm), wider than 10.5 in (266 mm) or higher than 11.1 in (281 mm).
16. The operating pressure to the tool will be 10,000 psi (70 MPa) .
17. The nominal electrical voltage (with power supply) is 24 V. The nominal electrical voltage (with lithium/ion battery) is 25.2 V.
18. The current consumption should be 12 amp in idle mode and 40 amp at maximum load.
19. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).
20. The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency.
21. Cutting classification should no less than A8 / B9 / C8 / D9 / E9 as defined in NFPA 1936; 2015 and certified by a 3rd party testing agency.
22. The tool will not weigh more than 50 lbs (22.7 kg) excluding the power supply.

Product Specifications

R 421E2 Ram - 274085000

RESCUE RAM

1. The rescue ram is a double-acting hydraulic cylinder. Extension and retraction is carried out hydraulically.
2. The rescue ram is a multi-stage cylinder for applying pressure with varying pressure forces depending on the piston stage. The pressure force remains constant within one piston stage.
3. The ram shall extend to a distance of up to 53 in (1347 mm). The retracted length is to be no less than 23.5 in.(313 mm).
4. The ram shall feature a two stage stroke. The maximum stroke for piston 1 shall be 15.2 in (387 mm) producing up to 28,600 lbf (127 kN) force. The maximum stroke for piston 2 shall be 14.3 in (363 mm) producing up to 13,500 lbf (60 kN) force. The piston stroke overall shall be 29.5 in (750 mm).
5. The tool shall include heat-treated, investment-cast steel ram claw feet on the piston side and on the cylinder side for durable gripping and minimizing slippage.
6. The tool shall have a dual pilot check valve to prevent accidental movement of the piston rod in the event of power loss.
7. The control mechanism shall feature a star-grip control for ease of operation by allowing 360° operation in any position. The mechanism shall be separate and independent from the handle to provide added control in close-quarter operation.
8. The tool must provide a “dead man” actuator whereby the unit stops functioning when hand pressure is released.
9. The extend piston and retract piston are clearly marked.
10. The tool must be NFPA 1936; 2015 Edition certified and shall be labelled as such bearing the mark of the testing agency.
11. The tool will not weigh more than 41.9 lbs (19 kg) excluding the power supply.
12. Electro-hydraulic devices do not need to be connected to an external hydraulic source, generation of the required hydraulic pressure takes place within the body of the device by either a quick exchange lithium/ion battery or an external power supply.
13. The electro-hydraulic tool is equipped with lights to facilitate work under poor lighting conditions.
14. The cylinder of the tool shall be made of anti-corrosive light aluminium alloy for its lightweight, strength and long life. The body of the tool shall have a high impact, non-metallic housing. The housing shall have ventilation holes on both sides of the unit for cooling the motor.
15. The tool shall be able to tolerate an ambient temperature range of -4°F (-20°C) up to +131°F (+55°C).

UNSTOPPABLE

E⁺Draulic[®]
BY  **HURST JAWS OF LIFE**[®]





S 312E2 CUTTER

part #: 272022000

THE S 700E2'S QUICK AND LIGHT COUSIN.

Replacing the existing S 311E2 cutter, this new cutter features a wider blade opening and more cutting force to give you an edge in extrication. This tool is the perfect extrication cutter and the most convenient tool for getting to the action. This tool still moves quick at the scene — and past the competition.

TECHNICAL SPECIFICATIONS

- Length: 35.6 in / 905 mm
- Width: 9.3 in / 237 mm
- Height: 11.1 in / 281 mm
- Weight: 40.8 lbs / 18.5 kg
- Cutter Opening: 6.3 in / 160 mm
- NFPA Cutter Rating: A7/B8/C7/D7/E7
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Featuring a wider blade opening (6.3 in / 160 mm) than the previous cutter (5.9 in / 150 mm)
- More cutting force than the previous cutter
- Curved blade geometry pulls materials to the back of the blade area for fast, clean action
- Ergonomically designed star-grip permits tool actuation from almost any gripping position
- Each tool comes with two batteries and one charger
- If needed, you can plug it in for limitless power with the eDRAULIC® 110V adapter



S 700E2 CUTTER

part #: 272085000

SPEED AND POWER PACKED INTO ONE GAME-CHANGING CUTTER.

Six pounds lighter than its predecessor, and just as powerful, the S 700E2 is light-years ahead of anything the competition has to date. This battery-powered cutter performs heroic rescues without hoses or a power unit. It's designed to take on current as well as future vehicle construction. Plus, it has 77% more cutting force where you need it.

TECHNICAL SPECIFICATIONS

- Length: 36.2 in / 920 mm
- Width: 11.7 in / 296 mm
- Height: 10.3 in / 262 mm
- Weight: 49.4 lbs / 22.4 kg
- Cutter Opening: 7.6 in / 192 mm
- NFPA Cutter Rating: A8/B9/C8/D9/E9
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Highest cutting performance in the relevant work area
- Unique blade geometry with three distinct cutting angles
- Built for the high-strength steel of today's and tomorrow's vehicles
- Ergonomically designed star-grip permits tool actuation from almost any gripping position
- Each tool comes with two batteries and one charger
- If needed, you can plug it in for limitless power with the eDRAULIC® 110V adapter



SP 333E2 SPREADER

part #: 271333000

**IT'S STRONGER, LIGHTER ON ITS FEET AND A
FLAT-OUT UNSTOPPABLE SPREADER.**

Our new eDRAULIC® spreader is 12% lighter, yet 20% more powerful than its predecessor. It's one of the strongest and most compact portable spreaders on the market. The SP 333E2 has squeezing plates built into the arms and "Shark Tooth" removable tips with a stubborn, unstoppable bite that won't slip. Its li-ion eDRAULIC battery keeps its charge, so you're never left without the power of this heroic tool at the wrong moment.

TECHNICAL SPECIFICATIONS

- Length: 35.6 in / 905 mm
- Width: 10 in / 255 mm
- Height: 11.2 in / 285 mm
- Weight: 38.1 lbs / 17.3 kg
- Spreading Distance: 23.6 in / 600 mm
- Max Spreading Force: 187,940 lbs / 836 kN
- Max Pulling Force: 12,589 lbs / 56 kN
- NFPA HSF: 14,162 lbs / 63 kN
- NFPA LSF: 8,768 lbs / 39 kN
- NFPA HPF: 9,667 lbs / 43 kN
- NFPA LPF: 5,171 lbs / 23 kN
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Increased power — 20% stronger than its predecessor
- Single integrated cylinder body design
- Squeezing plates built into the arms
- "Shark Tooth" removable tips offer multifunctional design, with four rows of shark-like teeth for maximum performance and gripping
- Each tool comes with two li-ion rechargeable batteries and one charger
- If needed, you can plug it in for unstoppable power with a 110V adapter

81-67-20



KSV11

Weight 29.3 lbs. (13.3 kg)



SP 555E2 SPREADER

part #: 271555000

THE SPREADER THAT WEIGHS LESS BUT GIVES YOU SO MUCH MORE.

Our new eDRAULIC® spreader is 16% lighter and still gives you 14% more power than its predecessor. You can get the job done and make the rescue quicker than ever. Its “Shark Tooth” removable tips have four rows of shark-like teeth to bite and hold onto any material. Add that to its li-ion never-say-die battery and you know you’ve got the right power and speed for any job.

TECHNICAL SPECIFICATIONS

- Length: 39.4 in / 1,002 mm
- Width: 10.4 in / 265 mm
- Height: 11 in / 280 mm
- Weight: 44.1 lbs / 20 kg
- Spreading Distance: 28.7 in / 730 mm
- Max Spreading Force: 147,924 lbs / 658 kN
- Max Pulling Force: 13,039 lbs / 58 kN
- NFPA HSF: 16,186 lbs / 72 kN
- NFPA LSF: 11,016 lbs / 49 kN
- NFPA HPF: 10,341 lbs / 46 kN
- NFPA LPF: 6,295 lbs / 28 kN
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Enhanced performance — 16% lighter and has 14% more power than its predecessor
- Single integrated cylinder body design
- Squeezing plates built into the arms
- “Shark Tooth” removable tips offer multifunctional design, with four rows of shark-like teeth for maximum performance and gripping
- Each tool comes with two li-ion rechargeable batteries and one charger
- If needed, you can plug it in for unstoppable power with a 110V adapter

81-67-20



KSV11

Weight 29.3 lbs. (13.3 kg)



SP 777E2 SPREADER

part #: 271777000

**THE MOST POWERFUL 32-INCH BATTERY-POWERED
SPREADER ON THE MARKET.**

With its single integrated cylinder body design, our new eDRAULIC® SP 777E2 spreader is the most powerful 32-inch battery-powered spreader on the market. You can get the job done and make the rescue quicker than ever. Its "Shark Tooth" removable tips have four rows of shark-like teeth to bite and hold onto any material. Add that to its li-ion never-say-die battery and you know you've got the right power and speed for any job.

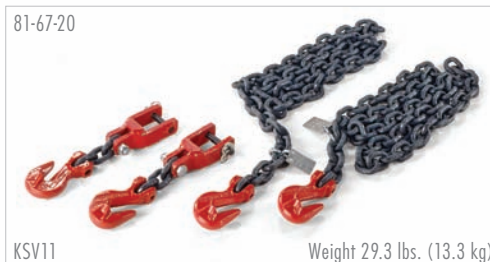
TECHNICAL SPECIFICATIONS

- Length: 42.5 in / 1,080 mm
- Width: 12.2 in / 309 mm
- Height: 11.2 in / 285 mm
- Weight: 52 lbs / 23.6 kg
- Spreading Distance: 32 in / 813 mm
- Max Spreading Force: 134,900 lbs / 600 kN
- Max Pulling Force: 13,490 lbs / 60 kN
- NFPA HSF: 19,110 lbs / 85 kN
- NFPA LSF: 13,260 lbs / 59 kN
- NFPA HPF: 11,016 lbs / 49 kN
- NFPA LPF: 6,744 lbs / 30 kN
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- The most powerful 32-inch battery-powered spreader on the market
- Single integrated cylinder body design
- Squeezing plates built into the arms
- "Shark Tooth" removable tips offer multifunctional design, with four rows of shark-like teeth for maximum performance and gripping
- Each tool comes with two li-ion rechargeable batteries and one charger

81-67-20



KSV11

Weight 29.3 lbs. (13.3 kg)

UNSTOPPABLE



R 421E2 RAM

part #: 274085000

EXTENDS UP TO 53".

The R 421E2 is the industry's first battery-powered telescopic rescue ram. And while it is extremely compact, it offers enough strength to pack a powerful wallop. The newly designed, sharp claws at both ends can be rotated 360 degrees, enabling you to apply the ram effectively in almost any precarious situation.

TECHNICAL SPECIFICATIONS

- Length Retracted: 23.5 in / 597 mm
- Length Extended: 53 in / 1,347 mm
- Width: 5.3 in / 135 mm
- Height: 12.3 in / 313 mm
- Weight: 41.9 lbs / 19 kg
- Stroke:
 - Piston 1: 15.2 in / 387 mm
 - Piston 2: 14.3 in / 363 mm
 - Overall: 29.5 in / 750 mm
- Max Pushing Force:
 - Piston 1: 28,600 lbs / 127 kN
 - Piston 2: 13,500 lbs / 60 kN
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Ergonomically designed star-grip permits tool actuation from almost any gripping position
- Weighs only 41.9 pounds, making it easy to maneuver
- Extended length of 53 inches, giving you a wider rescue opening
- Each tool comes with two li-ion rechargeable batteries and one charger



Optional Accessory



LRS-C Ram Support

Part #: 247R028



SC 250E2 COMBI

part #: 273025000

GOOD THINGS DO COME IN SMALL PACKAGES.

SC 250E2, a 34-pound Tactical Combi, is a lightweight superhero. And with no hose or power unit, you can get to the job of cutting, ripping and bending steel and saving lives done fast. It's perfect for any rescue situation.

SC 358E2 COMBI

part #: 273023000

IT COMBINES CUTTING, SPREADING AND BEING UNSTOPPABLE, ALL IN ONE TOOL.

Replacing its predecessor SC 357E2, the SC 358E2 Combi rescue tool uses our compact cylinder body design to house a tool that does so much. It cuts; it spreads; it's perfect for first responders who need to be ready to accomplish anything. And do it fast.

TECHNICAL SPECIFICATIONS

• Combi Tool:	SC 250E2	SC 358E2
• Part #:	273025000	273023000
• Length:	33.4 in / 849 mm	37.7 in / 956 mm
• Width:	8.4 in / 215 mm	9.3 in / 237 mm
• Height:	10.3 in / 262 mm	10.9 in / 278 mm
• Weight:	34.4 lbs / 15.6 kg	41.5 lbs / 18.8 kg
• Spreading Distance:	12.6 in / 320 mm	14.5 in / 368 mm
• Max Spreading Force:	157,366 lbs / 700 kN	337,230 lbs / 1,500 kN
• Max Pulling Force:	7,644 lbs / 34 kN	13,714 lbs / 61 kN
• NFPA HSF:	6,520 lbs / 29 kN	9,667 lbs / 43 kN
• NFPA LSF:	5,400 lbs / 24 kN	7,419 lbs / 33 kN
• NFPA HPF:	8,320 lbs / 37 kN	13,940 lbs / 62 kN
• NFPA LPF:	6,290 lbs / 28 kN	9,667 lbs / 43 kN
• NFPA Cutter Rating:	A6/B6/C6/D7/E7	A7/B8/C7/D8/E7
• Cutter Opening:	12.6 in / 320 mm	12.2 in / 309 mm
• NFPA 1936 2015 Compliant:	Yes	Yes
• Optional Chain Set:	Part #: 81-67-10	Part #: 541C054
• IP Rating:	IP54	IP54

541C054



358 Chain Set and Adapter

81-67-10



KSV8/50

Weight 29.3 lbs. (13.3 kg)



SC 757E2 COMBI TOOL

part #: 362R542

SIMPLY PUT, IT'S THE BEST.

The SC 757E2 Combi tool is the single most powerful battery combination tool on the rescue market. And that's only half the story because it also has the largest spread and best cut rating.

Simply put, it is the best battery combi tool out there ... bar none.

TECHNICAL SPECIFICATIONS

- Length: 40.7 in / 1,033 mm
- Width: 11.6 in / 294 mm
- Height: 11.2 in / 285 mm
- Weight: 52.9 lbs / 24 kg
- Spreading Distance: 17.7 in / 450 mm
- Max Spreading Force: 292,000 lbs / 1,300 kN
- NFPA HSF: 11,000 lbs / 49 kN
- NFPA LSF: 8,770 lbs / 39 kN
- NFPA HPF: 14,800 lbs / 66 kN
- NFPA LPF: 10,800 lbs / 48 kN
- NFPA Cutter Rating: A8/B9/C8/D9/E9
- Cutter Opening: 14.5 in / 369 mm
- NFPA 1936 2015 Compliant: Yes
- IP Rating: IP54

FEATURES AND BENEFITS

- Perfect for police, military and rescue/disaster management teams
- Fast opening and closing action for increased speed during time-critical rescues
- Detachable tips achieve better cutting efficiency and eliminate squeezing of material between spreading tips
- Cutting surface is taken to the end of the blade, allowing for a more aggressive blade geometry
- "Shark Tooth" removable tips offer multifunctional designing, with four rows of shark-like teeth for maximum performance and gripping
- Ergonomically designed star-grip permits tool actuation from almost any gripping position
- Each tool comes with two li-ion rechargeable batteries and one charger
- 757 Chain Set and Adapter
- Part #: 541C053

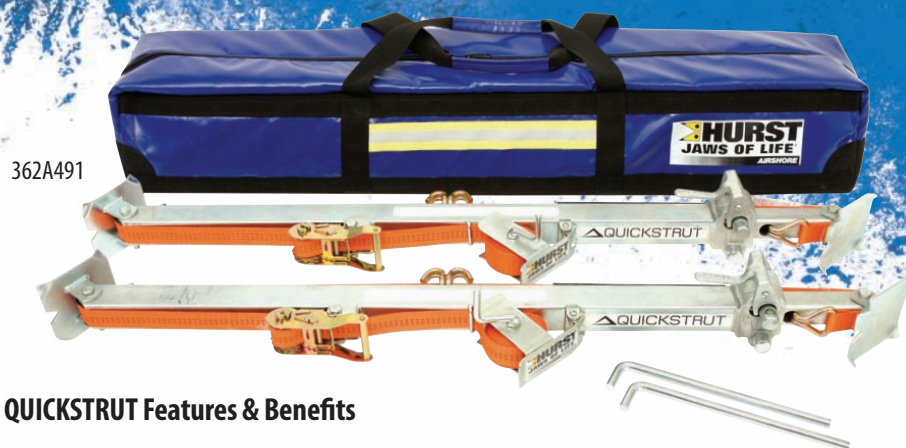
541C053



757 Chain Set and Adapter

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HURST QUICKSTRUT & LSS SUPPORT SYSTEM



ACCESSORY KIT

- 2 - Cluster Hooks
- 1 - Accessory Bag
- 2 - Axle Straps
- 2 - Protective Sleeves

QUICKSTRUT Features & Benefits

- Easy handling: the robust design simplifies work, even under the most adverse external conditions. Mud, soil, sand and water don't affect the functionality of the system.
- Maintenance free: it doesn't require any regular maintenance. It just needs to be freed of any external debris after each use.

STRUT CAPACITY OF ONE SUPPORT (UP TO)	2,205 lbs. (1000 kg)
MAXIMUM BELT TENSION (UP TO)	2,205 lbs. (1000 kg)
DIMENSIONS: L X W X H	52 x 8.3 x 8.7 (1,340 x 210 x 220 mm)
WEIGHT (LBS/KGS)	75 lbs. (34 kg)

CONSISTS OF:	2 - QuickStruts
	2 - Adjustment Wrenches
	1 - Carrying Case
	10 x 11 x 54 in. (25.4 x 27.9 x 137.1 cm)
	Kit weight 75 lbs. (34 kg)
	Single Strut: 48" - 78" (122-200 cm)
	Single Strut: 28 lbs. (12.7 kg)

BATTERY ACCESSORIES



EXL Battery
272085410



DC BankCharger
272080910



110V Power Supply
272085412

EXTRICATION GLOVES

- 525R042** Medium
- 525R043** Large
- 525R044** Extra Large
- 525R045** 2X Large



Hurst Jaws of Life Extrication Gloves provide complete protection for rescuers' hands, without limiting range of movement and agility, courtesy of a glove composition that includes 40 percent Kovenex fibers.

UNSTOPPABLE

HURST CUTTING TECHNOLOGY

The Science Behind Cutting Capability

With intuitive blade designs engineered to pull material to the center of the blades, industry leading cutting force at the point of attack and leading ergonomic design, Hurst Jaws of Life® cutters are undeniably the industry standard.

Years ago industry challengers began hyping “maximum cutting force” as the key selling point when considering cutters. This created an inaccurate standard of – the more force, the better.

This focus on “maximum cutting force” has created confusion in the marketplace regarding how cutting forces are calculated, why advertised cutting forces may vary from National Fire Protection Agency (NFPA) guidelines, and how some manufacturers inflate cutting force measurements for marketing purposes. For true comparison of cutting capability rescuers should utilize the NFPA cutter ratings.

	A	B	C		D	E
MATERIAL CATEGORY	ROUND BAR	FLAT BAR	ROUND PIPE		SQUARE TUBE	ANGLE IRON
MATERIAL	A-36 Hot-rolled	A-36	Schedule 40 A-53 Grade B		A-500 Grade B	A-36
	Diameter	Thickness x Width	Nominal Size	OD x Wall Thickness	Dimension x Wall Thickness	Square Dimension x Thickness
PERFORMANCE LEVEL	(in.)	(in. x in.)	(in.)	(in. x in.)	(in. x in.)	(in. x in.)
1	3/8	1/4 x 1/2	3/8	0.68 x 0.09	1/2 x 0.06	1/2 x 1/8
2	1/2	1/4 x 1	3/4	1.05 x 0.11	1 3/4 x 0.06	1 x 1/8
3	5/8	1/4 x 2	1	1.32 x 0.13	1 x 0.08	1 1/4 x 3/16
4	3/4	1/4 x 3	1 1/4	1.66 x 0.14	1 1/4 x 0.12	1 1/2 x 3/16
5	7/8	1/4 x 4	1 1/2	1.90 x 0.15	1 1/2 x 0.12	1 1/2 x 1/4
6	1	3/8 x 3	2	2.38 x 0.15	1 3/4 x 0.12	1 3/4 x 1/4
7	1 1/4	3/8 x 4	2 1/2	2.88 x 0.20	2 x 0.15	1 1/2 x 3/8
8	1 1/2	3/8 x 5	3	3.50 x 0.22	2 1/2 x 0.19	2 x 3/8
9	1 3/4	3/8 x 6	3 1/2	4.00 x 0.23	3 x 0.19	2 1/2 x 3/8

In the Hurst Jaws of Life® testing lab, our engineers calculate force measurements based on known facts, and then conduct real-world tests with production-grade tools to verify the data. And finally, we make sure our products are tested, retested, and tested again, until we are completely certain they can handle even the toughest emergency rescues.

Cutting Force at the Right Point

Today's modern vehicles use highly advanced types of steel in their construction. These highly reinforced structures do not compress into a tight bundle like the A-Posts, Roof Rails and B-Posts of passenger vehicles built in the 80s and 90s. Instead, when the cutter blades make contact with the high-strength outer layer of steel in today's significantly larger posts, they are immediately up against the ultra-high-strength press-hardened Boron sheet metal and Martensite Boron Steel which lines the inside diameter of the structure. This means that when cutting large diameter posts on today's vehicles, maximum cutting energy is required at the tips of the blades at near full open position.



2005 Subaru



2011 Mercedes

These advanced types of steel do not cut. And, compression of these structures is limited, which results in fracturing at greater than half their original diameter.

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www.JAWSOFLIFE.com 

**CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019**

NEW BUSINESS

**ITEM F.9
BUDGET DISCUSSION – REMAINING
GENERAL GOVERNMENT ITEMS**

10/02/2019 04:32 PM

User: mcClinton

DB: Plymouth Townshi

BUDGET REPORT FOR CHARTER TOWNSHIP OF PLYMOUTH

Fund: 101 GENERAL FUND

Page: 1/10

Calculations as of 08/31/2019

GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 REQUESTED BUDGET
ESTIMATED REVENUES							
Dept 262 - ELECTIONS							
101-262-680.000	ELECTIONS REIMB - PLY-CANTON SCHOC		300.00				
101-262-680.040	ELECTIONS REIMB - STATE OF MICH						40,000.00
Totals for dept 262 - ELECTIONS			300.00				40,000.00
Dept 290 - GENERAL OPERATING							
101-290-402.000	SMART MUNICIPAL CREDIT PRO	27,056.00	24,596.61	27,056.00	28,178.91	27,056.00	27,056.00
101-290-403.000	PROPERTY TAXES	1,401,278.14	1,407,950.15	3,653,652.00	9,194,965.60	3,653,652.00	3,808,704.00
101-290-403.200	WC MONTHLY DELQ SETTLEMENT	6,975.06					
101-290-441.000	LOCAL COMMUNITY STABILIZATION SHAF	454,478.56	296,566.77	353,626.00	353,626.47	353,626.00	350,000.00
101-290-441.100	METRO ACT	21,548.86	20,779.69	20,000.00	21,179.84	21,180.00	20,000.00
101-290-447.000	PROPERTY TAX ADMINISTRATION FEE		608,022.22	630,000.00	158,016.39	630,000.00	650,000.00
101-290-448.000	TAX COLLECTION FEES	53,020.70					
101-290-459.000	MISCELLANEOUS LICENSE		5,375.00	5,000.00	3,625.00	5,000.00	5,000.00
101-290-460.080	MISC GRANT REVENUE	4,018.71	2,500.00				5,000.00
101-290-475.000	TRAILER PARK FEES	4,284.50	4,677.50	4,300.00	2,942.50	4,300.00	4,300.00
101-290-477.000	PARK FEES	44,160.00	56,485.00	55,000.00	51,040.00	55,000.00	55,000.00
101-290-574.000	STATE REVENUE SHARING	2,360,741.00	2,431,609.00	2,500,000.00	1,602,842.00	2,500,000.00	2,543,750.00
101-290-588.000	CONTRIBUTION FROM LOCAL UNITS-OTHE	506,017.61		245,000.00		245,000.00	
101-290-645.000	SALE OF PUBLICATIONS		4.00		4.00		
101-290-653.000	SENIOR ACTIVITY FEES				985.00		
101-290-664.000	INTEREST INCOME	114,714.02	81,188.22	85,000.00	71,778.71	85,000.00	90,000.00
101-290-668.000	INTERGOVT SERVICES	723,052.56	740,061.91	766,851.00	442,465.56	766,851.00	766,851.00
101-290-668.010	INTER-GOVT FIRE SERVICES		1,100,000.00				
101-290-669.000	CONTRACTUAL CATV	592,621.89	562,436.23	548,375.00	416,861.54	548,375.00	534,666.00
101-290-669.001	CATV-PEG Funds	164,872.67	153,174.55	149,346.00	112,320.95	149,346.00	145,612.00
101-290-676.000	INSURANCE REFUNDS	174,951.00	228,189.95	212,000.00	211,997.44	212,000.00	150,000.00
101-290-697.000	SALE OF FIXED ASSETS	28,760.00	1,525.00				90,000.00
101-290-697.500	REIMBURSEMENT 5 MILE LEGAL FEES			585,000.00		585,000.00	
101-290-698.000	MISCELLANEOUS INCOME	45,924.47	411,533.33		1,718.90	3,500.00	
101-290-698.100	PASSPORT FEE	9,400.00	8,725.00	9,500.00	8,610.00	11,000.00	10,000.00
Totals for dept 290 - GENERAL OPERATING		6,741,655.75	8,145,400.13	9,849,706.00	12,683,158.81	9,855,886.00	9,255,939.00
Dept 305 - LAW ENFORCEMENT							
101-305-403.000	PROPERTY TAXES	3,189,778.66	3,204,520.42	3,234,193.00		3,234,193.00	3,371,444.00
101-305-457.000	DOG LICENSE	5,109.50	4,415.50	4,500.00	3,548.50	4,100.00	4,000.00
101-305-460.080	MISC GRANT REVENUE		4,666.62				
101-305-607.000	DISTRICT COURT FEES	113,452.31	12,028.06	10,000.00	8,947.72	9,200.00	10,000.00
101-305-607.020	POLICE-ALARMS	(3,850.00)	20,250.00	12,000.00	11,250.00	12,000.00	12,000.00
101-305-629.000	POLICE REPORTS	8,932.43	8,773.29	8,000.00	7,966.59	10,000.00	10,000.00
101-305-629.500	CHARGES FOR OVERTIME		56,584.08	50,000.00	35,825.04	50,000.00	50,000.00
101-305-675.001	DONATIONS-PRIVATE SOURCES	5,000.00					
101-305-697.000	SALE OF FIXED ASSETS	1,560.00			1.00		
101-305-698.000	MISCELLANEOUS INCOME	28,251.35	20,020.73	20,000.00	22,317.20	10,000.00	20,000.00
101-305-698.500	Law Enforcement Distr Funds		7,168.33		2,137.05	5,000.00	5,000.00
Totals for dept 305 - LAW ENFORCEMENT		3,348,234.25	3,338,427.03	3,338,693.00	91,993.10	3,334,493.00	3,482,444.00
Dept 325 - COMMUNICATIONS							
101-325-543.000	STATE GRANTS-PUBLIC SAFETY			200,000.00		200,000.00	
101-325-668.020	INTER-GOVT DISPATCH	398,843.47	342,000.00	342,000.00	264,500.03	378,500.00	342,000.00
101-325-690.000	911 LOCAL AND STATEWIDE	153,512.99	147,564.68	140,000.00	101,521.77	140,000.00	140,000.00
101-325-698.000	MISCELLANEOUS INCOME			500.00	187.50	500.00	
101-325-698.550	PSAP TRAINING FUNDS	11,537.00	5,053.00	12,700.00	12,703.00	12,700.00	12,700.00
Totals for dept 325 - COMMUNICATIONS		563,893.46	494,617.68	695,200.00	378,912.30	731,700.00	494,700.00

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GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 DEPARTMENT REQUESTED BUDGET
ESTIMATED REVENUES							
Dept 336 - FIRE							
101-336-403.000	PROPERTY TAXES	2,274,588.18	2,295,906.88	2,302,155.00	(2,598.00)	2,302,155.00	2,399,853.00
101-336-460.080	MISC GRANT REVENUE	200,046.00	12,380.00	6,000.00			135,000.00
101-336-505.000	FEDERAL GRANTS-PUBLIC SAFETY			181,956.00		150,000.00	180,000.00
101-336-543.000	STATE GRANTS-PUBLIC SAFETY		200,000.00	200,000.00	200,000.00	200,000.00	
101-336-668.010	INTER-GOVT FIRE SERVICES	125,720.55	101,920.48	75,000.00	36,319.55	75,000.00	75,000.00
101-336-697.000	SALE OF FIXED ASSETS	6,256.00					
101-336-698.000	MISCELLANEOUS INCOME	9,685.97	3,180.39	1,000.00	4,400.31	2,500.00	1,000.00
101-336-698.030	FIRE TRANSPORTS - TWSP	65,148.39	117,068.54	140,000.00	106,654.85	140,000.00	200,000.00
Totals for dept 336 - FIRE		2,681,445.09	2,730,456.29	2,906,111.00	344,776.71	2,869,655.00	2,990,853.00
Dept 371 - BUILDING							
101-371-454.000	HEATING LICENSE			15,000.00			
101-371-461.000	BUILDING PERMITS	858,233.48	849,649.00	1,100,000.00	827,628.35	1,100,000.00	1,100,000.00
101-371-462.000	ELECTRICAL PERMITS	90,377.25	100,673.50	93,500.00	70,882.00	93,500.00	100,000.00
101-371-463.000	PLUMBING PERMITS	39,934.00	43,637.00	60,000.00	32,320.00	60,000.00	50,000.00
101-371-464.000	HEATING PERMITS	104,244.00	105,868.50	100,000.00	79,411.00	115,000.00	100,000.00
101-371-465.000	REFRIGERATION PERMITS	14,717.00	11,895.00	10,000.00	9,212.00	11,400.00	10,000.00
101-371-608.000	PLANNING COMM-CONSULTANT		8,911.70	25,000.00			
101-371-608.500	PLANNING ZONING FEE REVENUE		118,669.05	80,000.00	57,734.40	110,000.00	120,000.00
101-371-609.500	ENGINEERING FEES REVENUE-PLANNING		2,850.00	3,500.00			
101-371-611.100	PYMT IN LIEU-TREES		3,150.00	16,800.00	16,800.00	16,800.00	20,000.00
101-371-611.200	PYMT IN LIEU-SIDEWALKS			23,500.00	23,544.00	23,500.00	10,000.00
101-371-622.000	VACANT PROPERTY ORDINANCE REVENUE	600.00	200.00		200.00	200.00	
101-371-626.010	WEED CUTTING	2,800.00	3,150.00	1,500.00		1,500.00	1,500.00
Totals for dept 371 - BUILDING		1,110,905.73	1,248,653.75	1,528,800.00	1,117,731.75	1,531,900.00	1,511,500.00
Dept 400 - COMMUNITY DEVELOPMENT							
101-400-608.000	PLANNING COMM-CONSULTANT	150,222.22					
Totals for dept 400 - COMMUNITY DEVELOPMENT		150,222.22					
Dept 691 - PARK							
101-691-460.050	WAYNE COUNTY PARKS DISTRIBUTION		116,282.00				
101-691-698.000	MISCELLANEOUS INCOME	710.00		8,000.00	8,000.00	8,000.00	
Totals for dept 691 - PARK		710.00	116,282.00	8,000.00	8,000.00	8,000.00	
Dept 851 - BLOCK GRANT							
101-851-530.000	BLOCK GRANT	187,183.46	69,734.08	91,072.00	9,054.00	91,072.00	20,000.00
Totals for dept 851 - BLOCK GRANT		187,183.46	69,734.08	91,072.00	9,054.00	91,072.00	20,000.00
TOTAL ESTIMATED REVENUES		14,784,249.96	16,143,870.96	18,417,582.00	14,633,626.67	18,422,706.00	17,795,436.00

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GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 DEPARTMENT REQUESTED BUDGET
APPROPRIATIONS							
Dept 101 - TOWNSHIP BOARD							
101-101-704.000	SALARY-BOARD	47,360.00	44,968.65	47,000.00	32,974.56	47,000.00	47,000.00
101-101-715.000	SOCIAL SECURITY	3,623.31	3,440.37	3,600.00	2,522.74	3,600.00	3,593.97
101-101-720.000	WORKERS COMP/INSURANCE	80.46	72.62	85.00	52.52	85.00	85.00
101-101-813.000	PUBLISHING	108.45	33.15				
101-101-861.000	EXPENSE ALLOWANCE	394.97	155.00	155.00	160.00	160.00	160.00
101-101-885.000	COMMUNITY SERVICE	2,228.00	2,353.00	2,224.00	2,224.00	2,224.00	2,225.00
101-101-978.000	EQUIPMENT PURCHASE						21,700.00
Totals for dept 101 - TOWNSHIP BOARD		53,795.19	51,022.79	53,064.00	37,933.82	53,069.00	74,763.97
Dept 171 - SUPERVISOR							
101-171-703.000	ELECTED OFFICIALS	115,455.54	115,727.40	115,284.00	79,812.00	115,284.00	115,284.00
101-171-705.000	SUPERVISORY	98,215.84	97,654.44	13,967.00	6,465.25	12,519.00	21,060.00
101-171-707.000	CLERICAL	58,000.02	60,552.00	61,828.00	42,746.00	61,828.00	61,828.00
101-171-714.000	FRINGE BENEFITS	4,835.20	9,243.28	9,862.00	6,874.50	8,644.52	9,013.10
101-171-714.010	PENSION NON-REP	38,534.81	37,882.40	25,981.20	16,979.40	25,981.00	25,981.80
101-171-715.000	SOCIAL SECURITY	20,621.59	20,821.29	13,549.36	9,801.86	14,583.27	15,160.16
101-171-720.000	WORKERS COMP/INSURANCE	751.24	521.25	715.00	356.97	715.00	715.00
101-171-727.000	OFFICE SUPPLIES	6,744.39	3,077.97	4,700.00	2,389.53	4,700.00	4,700.00
101-171-818.000	CONTRACTUAL SERVICES		395.53	4,020.00	2,570.64	4,021.00	4,021.00
101-171-818.200	CONTRATUAL SERVICE-HR		49,550.00	85,075.00	39,474.00	85,075.00	86,900.00
101-171-853.000	TELEPHONE	3,882.41	2,345.43	2,050.00	1,911.17	3,275.00	3,340.50
101-171-861.000	EXPENSE ALLOWANCE	150.00					
101-171-921.000	UTILITIES	12,174.27	11,329.34	12,250.00	5,972.90	12,250.00	12,495.00
101-171-960.000	EDUCATION/TRAINING	864.00			284.70	285.00	285.00
101-171-978.000	EQUIPMENT PURCHASE	170.77	5,224.35		164.00	164.00	
101-171-978.500	EQUIPMENT LEASE PAYMENTS			210.00	126.34	210.00	252.00
Totals for dept 171 - SUPERVISOR		360,400.08	414,324.68	349,491.56	215,929.26	349,534.79	361,035.56
Dept 201 - INFORMATION SERVICES							
101-201-705.000	SUPERVISORY	100,426.96	99,714.75	100,090.23	69,199.27	100,090.00	100,090.23
101-201-707.000	CLERICAL	28,910.10	27,178.37	30,615.05	20,816.28	30,615.00	31,325.00
101-201-714.000	FRINGE BENEFITS	16,407.95	17,701.10	19,590.00	12,584.50	18,332.21	15,452.30
101-201-714.010	PENSION NON-REP	14,625.26	14,948.71	15,013.18	9,802.45	15,013.00	15,013.53
101-201-715.000	SOCIAL SECURITY	9,361.12	8,975.12	9,998.93	6,727.56	9,999.00	11,285.99
101-201-720.000	WORKERS COMP/INSURANCE	383.35	355.09	430.00	247.28	335.00	348.00
101-201-727.000	OFFICE SUPPLIES	3,693.69	881.79	3,800.00	224.39	3,800.00	5,800.00
101-201-817.000	FINANCIAL CONSULTANT	1,000.00				1,000.00	
101-201-851.000	EQUIPMENT MNT/REPAIRS	4,326.43	1,029.36	11,000.00	11,745.44	11,739.00	1,000.00
101-201-853.000	TELEPHONE	3,613.71	2,310.97	3,600.00	1,716.43	3,600.00	3,672.00
101-201-921.000	UTILITIES	6,514.19	6,062.08	6,530.00	3,195.98	6,530.00	6,660.00
101-201-960.000	EDUCATION/TRAINING	210.00	554.39	500.00	242.50	500.00	500.00
101-201-978.000	EQUIPMENT PURCHASE	42,603.69	1,084.05	79,175.68	29,451.89	80,422.00	10,700.00
101-201-978.500	EQUIPMENT LEASE PAYMENTS			1,890.00		325.00	2,400.00
Totals for dept 201 - INFORMATION SERVICES		232,076.45	180,795.78	282,233.07	165,953.97	282,300.21	204,247.05
Dept 209 - ASSESSORS							
101-209-720.000	WORKERS COMP/INSURANCE	22.11					
101-209-727.000	OFFICE SUPPLIES	2,107.55	1,653.93	3,000.00	1,696.22	3,000.00	3,000.00
101-209-730.000	POSTAGE-GENERAL		5,661.78	6,000.00	5,780.48	5,780.00	6,000.00
101-209-818.000	CONTRACTUAL SERVICES	252,909.54	277,367.20	307,100.00	214,093.25	307,596.00	325,885.00
101-209-826.000	LEGAL	13,019.60	17,202.74	20,000.00	13,053.75	19,817.00	15,000.00
101-209-853.000	TELEPHONE	1,779.69	939.56	1,650.00	733.33	1,650.00	1,683.00
101-209-921.000	UTILITIES	3,484.90	3,243.00	3,570.00	1,709.77	3,570.00	3,641.00
101-209-941.000	COMPUTER SERVICES	1,260.00	1,260.00	1,260.00		1,260.00	1,260.00

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GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 DEPARTMENT REQUESTED BUDGET
APPROPRIATIONS							
Dept 209 - ASSESSORS							
101-209-978.500	EQUIPMENT LEASE PAYMENTS			1,050.00	960.60	1,050.00	1,050.00
Totals for dept 209 - ASSESSORS		274,583.39	307,328.21	343,630.00	238,027.40	343,723.00	357,519.00
Dept 215 - CLERK							
101-215-703.000	ELECTED OFFICIALS	175,961.88	178,794.93	178,110.00	123,306.96	178,110.00	178,110.00
101-215-707.000	CLERICAL	185,255.39	228,478.63	236,632.85	162,659.48	252,000.00	287,696.28
101-215-708.000	PART TIME	27,762.78	26,215.02	4,793.38	4,801.23	4,800.00	17,500.00
101-215-709.000	OVERTIME	868.61	3,061.02	166.30	1,908.55	1,900.00	
101-215-714.000	FRINGE BENEFITS	4,081.00	15,756.50	14,717.50	7,795.11	14,718.60	16,814.00
101-215-714.010	PENSION NON-REP	46,178.22	47,219.59	40,900.76	29,162.86	45,855.00	50,471.00
101-215-714.500	FRINGE BENEFITS - RETIREES		(1,094.45)		(1,147.68)		
101-215-715.000	SOCIAL SECURITY	29,846.33	33,956.55	33,418.16	23,346.08	33,415.97	36,972.93
101-215-720.000	WORKERS COMP/INSURANCE	1,011.63	907.40	990.00	644.09	900.00	900.00
101-215-727.000	OFFICE SUPPLIES	28,108.33	16,395.08	16,320.00	15,573.23	16,000.00	16,000.00
101-215-813.000	PUBLISHING	1,832.54	636.32	6,000.00	5,321.62	6,000.00	2,000.00
101-215-818.000	CONTRACTUAL SERVICES	41,804.92	2,909.87	48,075.00	18,462.76	24,300.00	2,540.00
101-215-851.000	EQUIPMENT MNT/REPAIRS	1,738.05	2,981.75	2,250.00		2,250.00	2,250.00
101-215-853.000	TELEPHONE	3,449.76	1,230.23	1,850.00	952.33	1,850.00	1,890.00
101-215-861.000	EXPENSE ALLOWANCE	146.59	505.15	100.00			
101-215-921.000	UTILITIES	10,579.91	9,845.57	10,600.00	5,190.67	10,600.00	10,600.00
101-215-960.000	EDUCATION/TRAINING	1,538.28	1,872.24	2,600.00	153.00	200.00	1,000.00
101-215-978.000	EQUIPMENT PURCHASE	10,628.99	6,091.76	21,150.00	2,056.04	16,300.00	
101-215-978.001	Equipmt Purchases < \$5,000	850.86	695.61		4,200.00	4,200.00	
101-215-978.500	EQUIPMENT LEASE PAYMENTS		897.92	1,827.00	1,282.20	1,827.00	1,827.00
Totals for dept 215 - CLERK		571,644.07	577,356.69	620,500.95	405,668.53	615,226.57	626,571.21
Dept 220 - CIVIL SERVICE							
101-220-704.000	SALARY-BOARD	2,000.00	720.00	1,000.00	2,100.00	2,100.00	1,000.00
101-220-715.000	SOCIAL SECURITY	153.00	55.08	77.00	160.65	161.00	77.00
101-220-813.000	PUBLISHING	947.74	369.53	1,000.00			1,000.00
101-220-818.000	CONTRACTUAL SERVICES			3,372.00	3,187.92	3,188.00	
Totals for dept 220 - CIVIL SERVICE		3,100.74	1,144.61	5,449.00	5,448.57	5,449.00	2,077.00
Dept 247 - BOARD OF REVIEW							
101-247-704.000	SALARY-BOARD	3,980.00	2,520.00	4,000.00	1,680.00	2,500.00	2,500.00
101-247-715.000	SOCIAL SECURITY	304.47	192.78	300.00	128.52	191.00	191.00
101-247-720.000	WORKERS COMP/INSURANCE	3.28					
101-247-963.000	MISCELLANEOUS EXPENSE		74.11	300.00	58.11	100.00	200.00
Totals for dept 247 - BOARD OF REVIEW		4,287.75	2,786.89	4,600.00	1,866.63	2,791.00	2,891.00
Dept 253 - TREASURER							
101-253-703.000	ELECTED OFFICIALS	168,857.66	169,961.12	170,650.00	117,214.68	169,310.00	169,310.00
101-253-708.000	PART TIME	66,082.32	53,416.53	56,722.10	37,663.03	56,722.10	58,140.00
101-253-709.000	OVERTIME	24.24					
101-253-714.000	FRINGE BENEFITS	23,607.80	17,826.03	19,616.00	11,646.58	16,917.86	17,798.00
101-253-714.010	PENSION NON-REP	24,743.70	24,909.22	25,000.00	16,222.93	25,396.00	24,810.00
101-253-715.000	SOCIAL SECURITY	17,723.94	17,139.57	17,306.74	11,684.67	17,306.74	17,400.00
101-253-720.000	WORKERS COMP/INSURANCE	705.21	451.73	500.00	280.07	500.00	500.00
101-253-727.000	OFFICE SUPPLIES	9,336.03	4,095.95	3,000.00	1,579.23	3,000.00	3,000.00
101-253-730.000	POSTAGE-GENERAL		11,300.00	11,000.00	5,300.00	10,600.00	10,600.00
101-253-814.000	BANK FEES			2,000.00		2,000.00	2,000.00
101-253-817.000	FINANCIAL CONSULTANT	42,048.90			2,482.00	2,482.00	2,482.00
101-253-818.000	CONTRACTUAL SERVICES		8,168.90	7,800.00	7,022.05	7,800.00	7,800.00
101-253-831.000	TAX STATEMENT PREPARATION	7,367.00	6,596.00	6,500.00	3,511.00	7,000.00	7,000.00

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BUDGET REPORT FOR CHARTER TOWNSHIP OF PLYMOUTH

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GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 REQUESTED BUDGET
APPROPRIATIONS							
Dept 253 - TREASURER							
101-253-853.000	TELEPHONE	3,220.61	2,821.91	5,000.00	2,036.89	3,000.00	5,100.00
101-253-921.000	UTILITIES	4,418.74	4,112.04	5,000.00	2,167.90	5,000.00	5,100.00
101-253-960.000	EDUCATION/TRAINING	939.12					
101-253-978.000	EQUIPMENT PURCHASE	1,350.00	2,489.92	(1,000.00)			
101-253-978.001	Equipmt Purchases < \$5,000	801.96	413.12	1,000.00			1,000.00
101-253-978.500	EQUIPMENT LEASE PAYMENTS		513.06	685.00	513.00	985.00	1,400.00
Totals for dept 253 - TREASURER		371,227.23	324,215.10	330,779.84	219,324.03	328,019.70	333,440.00
Dept 262 - ELECTIONS							
101-262-707.000	CLERICAL			46,750.00	24,034.04	38,400.00	40,954.00
101-262-708.000	PART TIME		55,297.25	3,414.00	10,283.50	11,000.00	7,500.00
101-262-709.000	OVERTIME		127.42		51.23	52.00	
101-262-710.000	SALARY ELECTION WORKERS	(25.00)	44,290.73		44.97	45.00	162,325.00
101-262-714.000	FRINGE BENEFITS			5,617.60	2,485.48	5,618.86	4,628.00
101-262-714.010	PENSION NON-REP			5,760.00	2,458.80	5,760.00	6,143.00
101-262-715.000	SOCIAL SECURITY		778.41	3,780.00	2,587.44	3,780.00	7,807.00
101-262-720.000	WORKERS COMP/INSURANCE	77.99					
101-262-727.000	OFFICE SUPPLIES	1,331.35	17,454.88	1,000.00	711.05	1,000.00	33,150.00
101-262-730.000	POSTAGE-GENERAL	225.00	3,087.52				6,000.00
101-262-813.000	PUBLISHING		877.06				3,000.00
101-262-818.000	CONTRACTUAL SERVICES		12,221.24		180.00	180.00	15,000.00
101-262-851.000	EQUIPMENT MNT/REPAIRS				486.00	486.00	
101-262-853.000	TELEPHONE		166.50				
101-262-960.000	EDUCATION/TRAINING		1,615.71	3,000.00		3,000.00	4,000.00
101-262-978.000	EQUIPMENT PURCHASE	34,610.00	15,156.76	35,350.00		35,350.00	35,350.00
Totals for dept 262 - ELECTIONS		36,219.34	151,073.48	104,671.60	43,322.51	104,671.86	325,857.00
Dept 265 - TOWNSHIP HALL AND GROUNDS							
101-265-706.000	NON-SUPERVISORY	48,826.43	52,656.78	44,212.95	29,441.53	42,550.00	43,412.85
101-265-709.000	OVERTIME			8,270.38	5,162.13	8,270.00	8,270.00
101-265-713.000	PENSION	10.21	3.46				
101-265-714.000	FRINGE BENEFITS	14,685.46	16,189.85	12,260.00	8,954.45	12,258.12	13,578.31
101-265-714.010	PENSION NON-REP	6,009.91	6,218.81	6,354.95	4,052.63	6,354.00	6,511.93
101-265-715.000	SOCIAL SECURITY	3,465.73	3,745.03	4,015.21	2,491.53	4,015.00	3,953.74
101-265-720.000	WORKERS COMP/INSURANCE	1,301.75	1,419.39	1,640.00	1,055.67	1,640.00	1,640.00
101-265-776.000	MAINT- BLDG & GROUNDS	72,184.95	67,442.34	81,700.00	34,995.48	81,700.00	70,000.00
101-265-815.000	SENIOR CENTER-CONTRACTUAL SERVICES		175.00		195.77	300.00	300.00
101-265-818.000	CONTRACTUAL SERVICES	4,000.00					
101-265-853.000	TELEPHONE	1,769.45	2,723.80	1,769.00	1,985.69	2,154.00	2,200.00
101-265-854.000	UTILITIES-SENIOR CENTER	6,192.95	6,967.53	5,400.00	3,892.68	5,900.00	5,900.00
101-265-858.000	MAINTENANCE-SENIOR CENTER	7,465.09	9,118.98	5,500.00	4,873.22	7,100.00	7,500.00
101-265-921.000	UTILITIES	2,710.14	3,172.39	3,100.00	1,582.77	3,100.00	3,162.00
101-265-942.000	INTERGOVERNMENTAL SERVICE		8,051.00	8,050.00		8,200.00	8,200.00
101-265-978.000	EQUIPMENT PURCHASE	1,742.56	4,090.74	8,414.00	8,414.00	8,414.00	12,500.00
101-265-978.500	EQUIPMENT LEASE PAYMENTS			420.00			
Totals for dept 265 - TOWNSHIP HALL AND GROUNDS		170,364.63	181,975.10	191,106.49	107,097.55	191,955.12	187,128.83
Dept 290 - GENERAL OPERATING							
101-290-708.000	PART TIME	2,420.00	1,719.20	2,590.00	1,678.00	2,590.00	2,700.00
101-290-714.000	FRINGE BENEFITS	(954.05)	850.36		673.15		
101-290-714.020	PENSION /OPEB CONTRIBUTION			1,200,000.00	1,200,000.00	1,200,000.00	1,000,000.00
101-290-714.500	FRINGE BENEFITS - RETIREES	66,126.30	72,041.21	74,366.00	47,439.42	74,366.00	65,463.53
101-290-715.000	SOCIAL SECURITY	185.11	131.50	198.66	128.37	198.00	206.55
101-290-722.000	UNEMPLOYMENT INSURANCE	670.82					

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GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 DEPARTMENT REQUESTED BUDGET
APPROPRIATIONS							
Dept 290 - GENERAL OPERATING							
101-290-730.000	POSTAGE-GENERAL	37,655.89	18,555.53	19,000.00	20,000.00	19,000.00	19,000.00
101-290-814.000	BANK FEES	3,761.00	4,628.00	4,300.00	2,886.00	4,300.00	4,300.00
101-290-818.000	CONTRACTUAL SERVICES	34,390.00	96,044.81	59,800.00	49,835.75	59,000.00	85,000.00
101-290-825.000	LEGAL-PROCSECUTIONS		74,006.65	75,000.00	39,997.13	75,000.00	75,000.00
101-290-826.000	LEGAL	54,574.77	53,743.52	55,000.00	25,538.51	55,000.00	55,000.00
101-290-827.000	LEGAL-PLANNING		17,088.73	34,000.00	26,011.89	34,000.00	34,000.00
101-290-828.000	LEGAL-LABOR RELATIONS		13,687.89	30,000.00	23,335.23	30,000.00	10,000.00
101-290-851.000	EQUIPMENT MNT/REPAIRS	2,867.64	5,764.06				
101-290-914.000	TOWNSHIP HALL		250.00				
101-290-941.000	COMPUTER SERVICES	113,261.26	102,963.04	158,370.00	66,780.11	158,370.00	231,370.00
101-290-958.000	MEMBERSHIP/DUES	15,193.00	16,296.26	15,000.00	10,225.00	15,000.00	16,076.00
101-290-960.000	EDUCATION/TRAINING	290.00					
101-290-963.000	MISCELLANEOUS EXPENSE	326.50	190.69	2,000.00		2,000.00	2,000.00
101-290-973.030	STORMWATER GRANT-PERMIT, EDUC & TF	13,344.30					
101-290-978.000	EQUIPMENT PURCHASE	25,557.04			1,500.00	2,795.00	94,000.00
101-290-978.500	EQUIPMENT LEASE PAYMENTS			210.00		270.00	256.00
101-290-980.000	OPERATING TRANSFER OUT	526,585.60	(107,976.02)	274,170.00	50,000.00	274,170.00	274,170.00
101-290-995.000	DEBT SERVICE		592,988.40	647,029.00	498,407.64	647,029.00	648,768.00
101-290-995.500	DEBT SERVICE-INTEREST		163,043.06	178,700.00	76,592.83	178,700.00	130,349.00
Totals for dept 290 - GENERAL OPERATING		896,255.18	1,126,016.89	2,829,733.66	2,141,029.03	2,831,788.00	2,747,659.08
Dept 305 - LAW ENFORCEMENT							
101-305-703.000	ELECTED OFFICIALS	336,455.93	258,420.57	340,930.85	207,945.92	340,930.85	361,801.85
101-305-705.000	SUPERVISORY	486,870.41	449,675.31	466,061.24	332,718.76	466,061.00	455,623.20
101-305-706.000	NON-SUPERVISORY	1,528,646.98	1,475,816.52	1,627,952.33	1,065,619.44	1,627,952.00	1,653,350.00
101-305-707.000	CLERICAL	92,070.62	73,559.21	51,535.74	35,260.06	51,536.00	52,262.82
101-305-708.000	PART TIME	38,706.23	25,219.20	20,710.00	12,678.45	20,710.53	47,946.60
101-305-709.000	OVERTIME	76,297.66	129,947.53	100,133.48	79,543.48	100,133.00	100,000.00
101-305-709.040	HOLIDAY PAY	76,338.72	90,326.94	92,759.92	8,536.98	92,759.00	89,092.96
101-305-709.060	SHIFT DIFFERENTIAL			14,600.00	2,831.52	14,600.00	18,000.00
101-305-714.000	FRINGE BENEFITS	301,521.71	269,823.34	234,550.00	159,687.06	234,381.00	274,380.87
101-305-714.010	PENSION NON-REP	27,008.89	21,242.73	25,797.49	10,938.13	25,797.00	26,186.41
101-305-714.030	PENSION POLICE	436,177.90	443,209.09	559,343.95	321,910.00	559,344.00	670,871.22
101-305-714.500	FRINGE BENEFITS - RETIREES	102,678.83	157,024.31	169,822.00	99,770.93	169,822.00	173,475.00
101-305-715.000	SOCIAL SECURITY	198,920.72	187,129.68	213,835.76	132,009.43	207,673.20	212,262.82
101-305-720.000	WORKERS COMP/INSURANCE	48,235.34	48,516.37	48,100.00	35,378.96	49,292.00	47,656.00
101-305-727.000	OFFICE SUPPLIES	8,579.75	8,873.35	16,300.00	8,747.96	16,300.00	10,000.00
101-305-758.000	UNIFORMS	22,912.28	22,142.05	15,000.00	13,225.94	15,000.00	15,000.00
101-305-776.000	MAINT- BLDG & GROUNDS	29,691.27	31,487.01	25,000.00	12,611.45	25,000.00	25,000.00
101-305-818.000	CONTRACTUAL SERVICES	34,505.06	65,008.76	29,500.00	18,002.50	29,500.00	48,250.00
101-305-819.000	DOG POUND FEES	1,150.00	924.00	1,500.00	325.00	1,000.00	1,000.00
101-305-826.000	LEGAL	76,598.69					
101-305-832.000	CORRECTIONS CHARGES	3,605.00	2,205.00	6,000.00	525.00	3,000.00	6,000.00
101-305-851.000	EQUIPMENT MNT/REPAIRS	11,869.87	11,013.48	15,975.00	12,372.66	15,975.00	11,000.00
101-305-853.000	TELEPHONE	14,199.33	10,370.99	15,500.00	6,759.13	15,500.00	15,500.00
101-305-863.000	AUTO EXPENSE/LEASE	91,903.29	96,846.66	110,000.00	60,771.20	110,000.00	110,000.00
101-305-885.000	COMMUNITY SERVICE		643.92	5,000.00		5,000.00	5,000.00
101-305-921.000	UTILITIES	34,960.10	32,556.49	35,700.00	17,232.93	35,700.00	35,700.00
101-305-958.000	MEMBERSHIP/DUES	855.00	880.00	1,000.00	3,610.00	3,610.00	5,000.00
101-305-960.000	EDUCATION/TRAINING	31,954.88	26,941.13	45,000.00	17,976.74	45,000.00	30,000.00
101-305-962.000	CANINE EXPENSES	52.31	1,233.00				
101-305-963.000	MISCELLANEOUS EXPENSE	1,042.28	1,373.38	2,000.00	229.80	2,000.00	2,000.00
101-305-963.010	GRANT EXPENDITURES-1	3,840.66					
101-305-978.000	EQUIPMENT PURCHASE	9,557.93	40,229.42	11,557.00	22,320.46	14,358.00	66,450.00
101-305-978.001	Equipmt Purchases < \$5,000	270.00			186.76	187.00	

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APPROPRIATIONS							
Dept 305 - LAW ENFORCEMENT							
101-305-978.500	EQUIPMENT LEASE PAYMENTS			5,108.00	1,971.44	5,108.00	5,831.00
	Totals for dept 305 - LAW ENFORCEMENT	4,127,477.64	3,982,639.44	4,306,272.76	2,701,698.09	4,303,229.58	4,574,640.75
Dept 315 - EMERGENCY PREPAREDNESS							
101-315-950.000	SCHOOL CROSSING GUARD	9,690.46	9,132.54	12,000.00	8,827.07	12,000.00	12,000.00
101-315-951.000	EMERGENCY PREPAREDNESS	5,074.02	6,406.82	5,000.00	8,096.19	8,096.00	8,096.00
	Totals for dept 315 - EMERGENCY PREPAREDNESS	14,764.48	15,539.36	17,000.00	16,923.26	20,096.00	20,096.00
Dept 325 - COMMUNICATIONS							
101-325-705.000	SUPERVISORY		58,009.25	70,200.00	49,129.18	70,200.00	72,080.83
101-325-706.000	NON-SUPERVISORY	612,529.22	627,407.39	670,000.00	481,690.95	670,000.00	680,516.28
101-325-707.000	CLERICAL	49,642.46	54,571.16	52,479.39	37,966.59	52,479.00	56,162.82
101-325-709.000	OVERTIME	58,245.24	44,042.85	47,621.39	37,105.24	43,700.00	44,000.00
101-325-709.040	HOLIDAY PAY	29,201.12	35,443.82	33,500.00	9,949.83	33,500.00	35,561.28
101-325-714.000	FRINGE BENEFITS	116,865.31	127,364.60	110,700.00	70,414.14	110,699.00	120,699.60
101-325-714.010	PENSION NON-REP	6,821.14	7,391.88	7,686.54	4,950.83	7,687.00	7,839.42
101-325-714.050	PENSION COMMUNICATIONS	102,864.60	113,064.00	136,380.00	77,340.87	136,380.00	149,058.12
101-325-714.500	FRINGE BENEFITS - RETIREES	3,236.57	9,749.96	7,000.00	5,714.92	7,000.00	7,600.00
101-325-715.000	SOCIAL SECURITY	54,658.67	60,700.27	66,765.90	41,987.62	66,765.00	67,956.57
101-325-720.000	WORKERS COMP/INSURANCE	2,523.72	2,215.22	2,600.00	1,692.65	2,266.00	2,298.00
101-325-727.000	OFFICE SUPPLIES	6,077.09	8,120.16	3,500.00	2,587.93	3,500.00	4,500.00
101-325-727.400	OFFICE SUPPLIES LOCKUP & RECORDS		1,418.79	2,000.00	1,393.19	2,000.00	2,000.00
101-325-758.000	UNIFORMS	4,165.95	3,748.92	3,000.00	793.40	3,000.00	3,000.00
101-325-776.000	MAINT- BLDG & GROUNDS		330.00	16,000.00	14,758.48	16,000.00	2,000.00
101-325-818.000	CONTRACTUAL SERVICES	69,541.56	36,744.58	39,000.00	17,766.75	36,000.00	39,000.00
101-325-818.400	CONTRACTUAL SERVICES- LOCKUP & REC	262.50	5,153.11	6,000.00	2,387.64	6,000.00	5,000.00
101-325-828.000	LEGAL-LABOR RELATIONS	5,503.13					
101-325-835.000	PHYSICAL EXAMS	104.50	340.50	750.00	272.50	750.00	750.00
101-325-851.000	EQUIPMENT MNT/REPAIRS	24,864.75	21,826.76	24,000.00	15,902.15	24,000.00	17,000.00
101-325-851.400	EQUIPT MAINT/REPAIR LOCKUP & RECOF		1,340.65	1,300.00	1,197.75	1,300.00	1,300.00
101-325-853.000	TELEPHONE	13,333.20	13,403.35	3,825.00	2,408.51	4,100.00	4,200.00
101-325-853.400	TELEPHONE LOCKUP & RECORDS		109.44	12,185.00	7,354.21	12,185.00	12,185.00
101-325-921.000	UTILITIES	14,554.50	6,728.54	15,300.00	3,570.34	6,000.00	7,000.00
101-325-921.400	UTILITIES LOCKUP & RECORDS		6,815.83		3,570.34	6,000.00	7,000.00
101-325-958.000	MEMBERSHIP/DUES	50.00	175.00	100.00	55.00	100.00	100.00
101-325-960.000	EDUCATION/TRAINING	7,301.22	5,638.17	8,000.00	5,547.14	8,000.00	6,000.00
101-325-963.000	MISCELLANEOUS EXPENSE	624.99	508.52	3,000.00	800.87	2,000.00	2,000.00
101-325-978.000	EQUIPMENT PURCHASE	24,397.09	2,944.23	302,800.00	49,762.47	310,800.00	82,821.00
101-325-978.001	Equipmt Purchases < \$5,000		1,487.98				
	Totals for dept 325 - COMMUNICATIONS	1,207,368.53	1,256,794.93	1,645,693.22	948,071.49	1,642,411.00	1,439,628.92
Dept 336 - FIRE							
101-336-703.000	ELECTED OFFICIALS	107,419.64	111,151.54	111,644.20	77,709.93	111,645.00	115,000.00
101-336-705.000	SUPERVISORY	661,601.20	859,621.49	818,000.00	610,470.13	818,000.00	860,000.00
101-336-706.000	NON-SUPERVISORY	885,310.12	707,635.18	886,000.00	620,219.56	886,000.00	982,000.00
101-336-707.000	CLERICAL	42,134.75	43,450.95	43,000.00	30,732.00	43,000.00	46,000.00
101-336-708.000	PART TIME	6,007.18					
101-336-709.000	OVERTIME	109,391.72	175,755.99	100,000.00	101,415.05	112,540.00	130,000.00
101-336-709.010	ACT 604 OVERTIME	66,969.19	65,758.79	90,000.00	49,536.19	90,000.00	90,000.00
101-336-709.020	FOOD & CLOTHING ALLOWANCE	24,349.90	26,998.38	32,196.63	13,080.46	32,196.00	21,600.00
101-336-709.030	ALS PAY			72,000.00		72,000.00	100,858.30
101-336-709.040	HOLIDAY PAY	68,963.78	70,775.16	91,000.00		91,000.00	96,000.00
101-336-714.000	FRINGE BENEFITS	278,996.32	288,275.69	273,315.00	153,850.76	273,165.00	287,542.11
101-336-714.010	PENSION NON-REP	6,320.25	7,862.00	6,450.00	4,302.69	6,450.00	6,750.00

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APPROPRIATIONS							
Dept 336 - FIRE							
101-336-714.020	PENSION /OPEB CONTRIBUTION	410,722.53	1,622,485.95	687,552.52	374,885.45	687,552.00	552,231.00
101-336-714.500	FRINGE BENEFITS - RETIREES	303,187.11	340,047.87	320,000.00	215,986.63	320,000.00	330,482.27
101-336-715.000	SOCIAL SECURITY	146,382.82	153,165.04	172,497.28	112,678.98	172,497.00	186,771.56
101-336-720.000	WORKERS COMP/INSURANCE	51,118.00	53,480.91	55,821.00	40,739.24	54,566.00	55,000.00
101-336-727.000	OFFICE SUPPLIES	9,789.49	6,155.80	5,000.00	2,599.05	5,000.00	10,000.00
101-336-729.000	SUBSCRIPTIONS, DUES & MEMBERSHIPS	13,454.14	9,047.14	8,000.00	5,476.64	8,000.00	10,000.00
101-336-747.000	EXTINGUISHER RECHARGE/SCBE			1,000.00		1,000.00	2,000.00
101-336-758.000	UNIFORMS	15,940.02	5,159.70	6,000.00	4,677.24	6,000.00	15,000.00
101-336-758.100	TURN OUT GEAR		22,962.72	17,000.00	10,035.97	17,000.00	12,000.00
101-336-776.000	MAINT- BLDG & GROUNDS	46,771.21	46,281.96	56,000.00	30,055.06	56,000.00	50,000.00
101-336-818.000	CONTRACTUAL SERVICES		14,040.00	7,905.00	7,905.00	7,905.00	10,000.00
101-336-824.000	LICENSES & SOFTWARE MAINT FEES	5,434.47	18,715.20	16,000.00	10,408.86	16,000.00	20,000.00
101-336-826.000	LEGAL	9,530.64	354.38				
101-336-835.000	PHYSICAL EXAMS	15,555.25	20,424.00	10,000.00	4,642.50	10,000.00	20,000.00
101-336-836.000	RESCUE SERVICE SUPPLIES	20,303.52	28,309.14	24,000.00	19,729.28	24,000.00	30,000.00
101-336-851.000	EQUIPMENT MNT/REPAIRS	16,267.81	17,067.52	28,625.00	18,721.53	28,625.00	20,000.00
101-336-853.000	TELEPHONE	17,096.86	13,841.44	14,000.00	7,852.16	14,000.00	14,000.00
101-336-863.000	AUTO EXPENSE/LEASE	110,020.99	130,649.34	100,000.00	52,746.75	100,000.00	85,000.00
101-336-873.000	TRAVEL EXPENSE	17.65	16.89	500.00	332.48	500.00	500.00
101-336-885.000	COMMUNITY SERVICE	984.24	2,984.95	2,000.00		2,000.00	2,000.00
101-336-921.000	UTILITIES	65,150.67	63,121.03	60,000.00	34,506.58	60,000.00	60,000.00
101-336-959.000	TRANSPORT BILLING	3,438.00	7,051.75	6,000.00	5,524.07	8,500.00	10,000.00
101-336-960.000	EDUCATION/TRAINING	19,574.45	18,659.58	20,000.00	12,349.62	20,000.00	22,500.00
101-336-963.000	MISCELLANEOUS EXPENSE	3,050.75	5,333.16	5,000.00	3,955.54	5,000.00	5,000.00
101-336-978.000	EQUIPMENT PURCHASE	250,921.26	499,554.32	1,052,693.00	924,832.34	1,052,693.00	185,000.00
101-336-978.001	Equipmt Purchases < \$5,000			10,000.00	6,170.42	10,000.00	50,000.00
101-336-978.500	EQUIPMENT LEASE PAYMENTS		598.64	1,197.00	897.96	1,200.00	115,000.00
101-336-979.000	SMALL TOOLS	1,543.81	3,640.85	3,347.65	4,544.73	4,600.00	3,000.00
Totals for dept 336 - FIRE		3,793,719.74	5,460,434.45	5,213,744.28	3,573,570.85	5,228,634.00	4,611,235.24
Dept 371 - BUILDING							
101-371-705.000	SUPERVISORY	93,573.70	95,738.71	96,116.83	65,154.06	96,116.00	98,999.00
101-371-706.000	NON-SUPERVISORY	110,226.51	121,763.84	65,754.41	44,603.82	65,800.00	66,235.08
101-371-707.000	CLERICAL	48,834.48	50,957.69	57,291.85	38,830.60	57,291.00	99,899.00
101-371-708.000	PART TIME			25,000.00	8,579.01	25,000.00	25,900.00
101-371-709.000	OVERTIME	539.68	2,386.80	55.30	1,864.14	1,852.00	
101-371-714.000	FRINGE BENEFITS	49,425.07	49,089.50	42,752.00	29,681.62	40,179.00	60,339.00
101-371-714.010	PENSION NON-REP	34,043.36	36,518.69	31,000.62	20,944.44	31,000.00	39,051.00
101-371-714.500	FRINGE BENEFITS		535.22		126.96	126.00	
101-371-715.000	SOCIAL SECURITY	18,793.49	19,986.33	18,682.00	11,874.92	18,682.00	21,898.00
101-371-720.000	WORKERS COMP/INSURANCE	1,495.93	1,334.13	1,225.00	975.88	1,300.00	1,300.00
101-371-727.000	OFFICE SUPPLIES	7,165.24	5,984.69	5,100.00	2,448.99	5,100.00	5,000.00
101-371-727.500	OFFICE SUPPLIES -PLANNING		871.20		24.61	30.00	30.00
101-371-758.000	UNIFORMS			900.00	893.94	1,800.00	800.00
101-371-818.000	CONTRACTUAL SERVICES	121,645.75	127,377.17	137,700.00	96,113.77	137,000.00	145,000.00
101-371-818.500	CONTRACTUAL SERVICES-PLANNING	(2,867.50)	134,435.10	120,000.00	77,548.00	120,000.00	120,000.00
101-371-826.000	LEGAL	3,469.08					
101-371-851.000	EQUIPMENT MNT/REPAIRS	283.80			215.00	215.00	
101-371-851.500	EQUIPTMNT/REPAIR PLANNING		111.73		53.70	46.00	
101-371-853.000	TELEPHONE	6,615.05	5,419.29	6,630.00	4,004.15	6,630.00	6,765.00
101-371-853.500	TELEPHONE- PLANNING		974.88	1,530.00	760.89		
101-371-863.000	AUTO EXPENSE/LEASE	7,890.54	7,696.51	7,000.00	5,861.10	7,000.00	7,500.00
101-371-921.000	UTILITIES	7,664.45	7,132.51	7,680.00	3,760.31	7,680.00	7,680.00
101-371-921.500	UTILITIES-PLANNING		3,995.46	4,300.00	2,106.47	4,000.00	4,000.00
101-371-942.000	INTERGOVERNMENTAL SERVICE		29,002.56	34,496.00	17,558.00	34,496.00	35,196.00

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BUDGET REPORT FOR CHARTER TOWNSHIP OF PLYMOUTH

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Fund: 101 GENERAL FUND

Calculations as of 08/31/2019

GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 REQUESTED BUDGET
APPROPRIATIONS							
Dept 371 - BUILDING							
101-371-958.000	MEMBERSHIP/DUES	999.00	1,963.47	1,000.00	40.00		2,000.00
101-371-960.000	EDUCATION/TRAINING	2,329.73	2,275.41	2,850.00	(2.61)	2,850.00	3,860.00
101-371-965.000	REFUNDS	1,455.00	8,152.00	2,500.00	1,591.00	1,000.00	10,000.00
101-371-978.000	EQUIPMENT PURCHASE	5,839.39	16,553.00	15,575.00	2,360.52	15,575.00	
101-371-978.001	Equipmt Purchases < \$5,000						2,200.00
101-371-978.100	EQUIPMENT PURCHASES-PLANNING				185.82		
101-371-978.500	EQUIPMENT LEASE PAYMENTS		598.58	1,221.00	830.98	1,452.00	1,452.00
Totals for dept 371 - BUILDING		519,421.75	730,854.47	686,360.01	438,990.09	682,220.00	765,104.08
Dept 400 - COMMUNITY DEVELOPMENT							
101-400-705.000	SUPERVISORY	8,288.53					
101-400-707.000	CLERICAL	21,012.00					
101-400-714.000	FRINGE BENEFITS	5,404.15					
101-400-714.010	PENSION NON-REP	3,351.30					
101-400-715.000	SOCIAL SECURITY	2,050.07					
101-400-720.000	WORKERS COMP/INSURANCE	58.97					
101-400-727.000	OFFICE SUPPLIES	1,591.86			374.93		
101-400-818.000	CONTRACTUAL SERVICES	156,803.09					
101-400-851.000	EQUIPMENT MNT/REPAIRS	108.06			21.86		
101-400-853.000	TELEPHONE	4,362.94					
101-400-921.000	UTILITIES	4,293.47					
Totals for dept 400 - COMMUNITY DEVELOPMENT		207,324.44			396.79		
Dept 442 - INTERGOVERNMENTAL							
101-442-942.000	INTERGOVERNMENTAL SERVICE	62,630.10	87,215.56	87,441.00	70,000.00	90,000.00	90,000.00
Totals for dept 442 - INTERGOVERNMENTAL		62,630.10	87,215.56	87,441.00	70,000.00	90,000.00	90,000.00
Dept 446 - TRAFFIC AND SAFETY							
101-446-731.000	SALT	8,247.50	11,465.15	5,000.00	6,111.50	6,200.00	6,200.00
101-446-732.000	ASHPHALT& COLDPATCH		796.95	2,000.00		2,000.00	2,000.00
101-446-818.000	CONTRACTUAL SERVICES	743,370.34	31,274.46	13,440.00	7,208.16	10,900.00	11,000.00
101-446-851.000	EQUIPMENT MNT/REPAIRS	853.15	168.52				
101-446-920.000	STREET LIGHTING	69,326.70	51,230.31	52,000.00	30,092.14	52,000.00	52,000.00
101-446-920.010	SWEEPER MAINTENANCE	82.38					
101-446-970.000	CAPITAL OUTLAY			300,000.00	12,490.00	300,000.00	
Totals for dept 446 - TRAFFIC AND SAFETY		821,880.07	94,935.39	372,440.00	55,901.80	371,100.00	71,200.00
Dept 528 - WATER/REFUSE COLL & DISP							
101-528-727.000	OFFICE SUPPLIES		27.83				
Totals for dept 528 - WATER/REFUSE COLL & DISP			27.83				
Dept 691 - PARK							
101-691-708.000	PART TIME	167,946.47	126,653.58	128,000.00	84,430.25	128,000.00	128,000.00
101-691-709.000	OVERTIME	1,624.74	1,236.85		33.00	33.00	
101-691-714.000	FRINGE BENEFITS	(73.54)	1,217.97		1,968.97		
101-691-714.500	FRINGE BENEFITS - RETIREES		3,975.00	3,975.00		3,975.00	3,975.00
101-691-715.000	SOCIAL SECURITY	12,972.34	9,783.68	9,792.50	6,461.50	9,792.00	9,792.00
101-691-720.000	WORKERS COMP/INSURANCE	2,706.27	2,991.20	2,600.00	2,478.52	3,336.00	3,336.00
101-691-727.000	OFFICE SUPPLIES	2,150.30	187.56	500.00	162.07	500.00	500.00
101-691-758.000	UNIFORMS	271.69	215.69	500.00	203.78	500.00	500.00
101-691-818.000	CONTRACTUAL SERVICES	10,540.14	1,944.00	25,625.00	14,027.22	25,625.00	30,625.00
101-691-853.000	TELEPHONE	2,798.69	2,661.92	2,550.00	1,581.29	2,550.00	2,600.00
101-691-863.000	AUTO EXPENSE/LEASE	9,370.45	5,169.00	5,051.00	3,434.49	5,051.00	5,000.00
101-691-921.000	UTILITIES	45,924.20	52,690.35	47,700.00	26,857.08	47,700.00	47,700.00

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BUDGET REPORT FOR CHARTER TOWNSHIP OF PLYMOUTH

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Fund: 101 GENERAL FUND

Calculations as of 08/31/2019

GL NUMBER	DESCRIPTION	2017 ACTIVITY	2018 ACTIVITY	2019 AMENDED BUDGET	2019 ACTIVITY THRU 08/31/19	2019 PROJECTED ACTIVITY	2020 DEPARTMENT REQUESTED BUDGET
APPROPRIATIONS							
Dept 691 - PARK							
101-691-931.000	BUILDING/GROUND MNT	29,933.02	36,568.34	42,500.00	36,967.15	46,000.00	46,000.00
101-691-931.500	EQUIPMENT REPAIR & MAINT		2,842.55		726.01	1,200.00	1,200.00
101-691-942.000	INTERGOVERNMENTAL SERVICE	16,832.72	15,132.40	16,764.00	8,721.52	16,764.00	17,440.00
101-691-970.000	CAPITAL OUTLAY	1,401.52					
101-691-978.000	EQUIPMENT PURCHASE	34,707.77	159,477.89	39,500.00	35,098.85	36,000.00	52,500.00
101-691-978.001	Equipt Purchases < \$5,000	5,762.71	639.16				
	Totals for dept 691 - PARK	344,869.49	423,387.14	325,057.50	223,151.70	327,026.00	349,168.00
Dept 801 - PLANNING COMMISSION							
101-801-704.000	SALARY-BOARD	11,990.00	12,481.73	14,000.00	7,360.00	12,000.00	12,000.00
101-801-715.000	SOCIAL SECURITY	917.30	920.36	1,075.00	563.08	918.00	918.00
101-801-720.000	WORKERS COMP/INSURANCE	11.47		25.00			
101-801-813.000	PUBLISHING	807.14	594.17	1,000.00	987.15	1,000.00	1,000.00
101-801-826.000	LEGAL	13,187.28					
101-801-861.000	EXPENSE ALLOWANCE	650.00	650.00	650.00	675.00	675.00	675.00
	Totals for dept 801 - PLANNING COMMISSION	27,563.19	14,646.26	16,750.00	9,585.23	14,593.00	14,593.00
Dept 815 - BOARD OF APPEALS							
101-815-704.000	SALARY-BOARD	3,900.00	4,400.00	4,200.00	2,600.00	2,300.00	4,000.00
101-815-715.000	SOCIAL SECURITY	298.35	336.60	325.00	198.90	176.00	306.00
	Totals for dept 815 - BOARD OF APPEALS	4,198.35	4,736.60	4,525.00	2,798.90	2,476.00	4,306.00
Dept 851 - BLOCK GRANT							
101-851-971.000	BLOCK GRANT	132,843.48	89,425.08	80,587.00	12,155.60	80,587.00	20,000.00
	Totals for dept 851 - BLOCK GRANT	132,843.48	89,425.08	80,587.00	12,155.60	80,587.00	20,000.00
Dept 954 - INSURANCE							
101-954-912.000	MUNICIPAL RISK INSURANCE	343,526.00	351,052.00	356,178.00	178,089.00	356,178.00	356,178.00
	Totals for dept 954 - INSURANCE	343,526.00	351,052.00	356,178.00	178,089.00	356,178.00	356,178.00
Dept 955 - COMMUNITY SERVICE							
101-955-885.000	COMMUNITY SERVICE	58,550.36	59,586.37	43,100.00	20,776.57	45,000.00	45,000.00
	Totals for dept 955 - COMMUNITY SERVICE	58,550.36	59,586.37	43,100.00	20,776.57	45,000.00	45,000.00
TOTAL APPROPRIATIONS		14,640,091.67	15,889,315.10	18,270,408.94	11,833,710.67	18,272,078.83	17,584,339.69
NET OF REVENUES/APPROPRIATIONS - FUND 101		144,158.29	254,555.86	147,173.06	2,799,916.00	150,627.17	211,096.31
BEGINNING FUND BALANCE		3,910,762.50	4,054,920.79	4,309,476.65	4,309,476.65	4,309,476.65	4,460,103.82
ENDING FUND BALANCE		4,054,920.79	4,309,476.65	4,456,649.71	7,109,392.65	4,460,103.82	4,671,200.13

2020 Budget Review Highlights October 8, 2019

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CHARTER TOWNSHIP
OF PLYMOUTH

We Have Already Covered ...

- Law Enforcement
- Communications
- Fire
- Clerk
- Elections

Township Board (Dept 101)

Capital Requests	Amount
Laptop for Boardroom	\$1,700
New Sound System	\$20,000

Note – paid for with PEG Funds

Supervisor (Dept 171)

Headcount	Amount
Part-Time Payroll Processor	\$21,060

Information Services (Dept 201)

Capital Requests	Amount
Laptops (2)	\$4,000
Firewall Switch	\$3,900
Environment Monitor	\$800
Security Training Software	\$2,000
Training Room (Computer Leases)	\$2,400

Assessing (Dept 209)

No significant requests

Treasury (Dept 253)

No significant requests

Township Hall & Grounds (Dept 265)

Capital Requests	Amount
Friendship Station - Closet	\$10,000
Friendship Station - Sign	\$2,500

General Operating (Dept 290)

Capital Requests	Amount
Office 365 (Setup / Lease)	\$9,000 / \$15,000
IP Phone System (Setup / Lease)	\$16,000 / \$40,000
Cloud Data Backup (Lease)	\$18,000
Data Center UPS Replacement	\$75,000
Upgrade Key FOB System (non-police)	\$19,000

Special Events	Amount
OPEB Trust Funding	\$1,000,000

Operating Transfers	Amount
Building Maintenance Fund	\$75,000
Golf Course Loan Write-off (Year 1 of 5)	\$199,000

Building (Dept 371)

Headcount Request	Salary
Assistant to Cheri P.	\$50,000

Park (Dept 691)

Capital Request	Amount
Kay Arnold Pavilion (Township Share)	\$25,000
Soccer Nets	\$15,000
Bike Racks	\$2,500
Commercial Lawnmower	\$10,000

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019

ITEM G
SUPERVISOR AND TRUSTEE
COMMENTS

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019

ITEM H
PUBLIC COMMENTS AND QUESTIONS

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES
REGULAR MEETING
OCTOBER 8, 2019

ITEM I
ADJOURNMENT