

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES MEETING

Tuesday, July 14, 2020
7:00 PM



CALL TO ORDER AT _____ P.M.

A. ROLL CALL: Kurt Heise_____, Mark Clinton_____, Chuck Curmi_____,
Bob Doroshewitz_____, Jerry Vorva_____, Jack Dempsey_____,
Gary Heitman_____

B. PLEDGE OF ALLEGIANCE

C. APPROVAL OF AGENDA

Tuesday, July 14, 2020

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:

Regular Meeting - Tuesday, June 23, 2020

D.2 Acceptance of Communications, Resolutions, Reports:

Communication from Trustee Jack Dempsey

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	926,826.63	154,003.33	1,080,829.96
Solid Waste Fund	226	6,720.46	854.49	7574.95
Improvement Revolving (Capital)	246			.00
Drug Forfeiture Fund	265			.00

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES MEETING

Tuesday, July 14, 2020
7:00 PM



Drug Forfeiture State	266			.00
Drug Forfeiture IRS	267			.00
Golf Course Fund	510			.00
Senior Transportation	588	7799.57	38.99	7838.56
Water/Sewer Fund	592	801,350.67	376,541.25	1,177,891.92
Trust and Agency	701			.00
Police Bond Fund	702			.00
Tax Pool	703			.00
Special Assessment Capital	805	35,657.76	.00	35,657.76
TOTALS:		1,778,355.09	531,438.06	2,309,793.15

E. PUBLIC COMMENT (Limited to 3 Minutes)

F. NEW BUSINESS

1. Public Hearing for Brownfield Plan for Hillside Residence Apartments, 41661 Plymouth Road (former Courthouse Grille site), *Clerk Jerry Vorva*
2. Consideration of Brownfield Plan for Hillside Residence Apartments, 41611 Plymouth Road, **Resolution #2020-07-14-63**, *Supervisor Kurt Heise, Planning Consultant Laura Haw, Township Engineer Jeremy Schrot*

CHARTER TOWNSHIP OF PLYMOUTH

BOARD OF TRUSTEES MEETING

Tuesday, July 14, 2020
7:00 PM



3. Consideration of Development Extension for Hillside Residence Apartments, 41661 Plymouth Road, **Resolution #2020-07-14-64**, *Planning Consultant Laura Haw*
4. General Technology Ventures Request for Vacation of Existing Public Utility Easement, **Resolution #2020-07-14-65**, *Township Engineer Jeremy Schrot*
5. Modern Method Sanitary Sewer Easement (Parcel 1), **Resolution #2020-07-14-66**, *Township Engineer Jeremy Schrot*
6. Modern Method Sanitary Sewer Easement (Parcel 2), **Resolution #2020-07-14-67**, *Township Engineer Jeremy Schrot*
7. Edward J. DeRose Sanitary Sewer Easement (Parcel 3), **Resolution #2020-07-14-68**, *Township Engineer Jeremy Schrot*
8. Modern Method Sanitary Sewer Easement (Parcel 4), **Resolution #2020-07-14-69**, *Township Engineer Jeremy Schrot*
9. Annual Economic Development Update, *Trustee Gary Heitman & Planning Consultant Laura Haw*
10. 2020 Election Update and Resolution to the Secretary of State to Verify the Accuracy of the Voter Rolls, **Resolution #2020-07-14-70**, *Clerk Jerry Vorva*

E. PUBLIC COMMENT (Limited to 3 Minutes)

F. BOARD COMMENTS

G. ADJOURNMENT

PLEASE TAKE NOTE: The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services, such as signers for the hearing impaired and audio tapes of printed materials being considered at all Township Meetings, to individuals with disabilities at the Meetings/Hearings upon two weeks' notice to the Charter Township of Plymouth by writing or calling the following: Human Resource Office, 9955 N Haggerty Road, Plymouth, MI 48170. Phone number (734) 354-3202 TDD units: 1-800649-3777 (Michigan Relay Services)

The public is invited and encouraged to attend all meetings of the Board of Trustees of the Charter Township of Plymouth

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



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

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

ALSO PRESENT: Patrick Fellrath, Director of Public Services
 Dan Phillips, Fire Chief
 Tom Tiderington, Police Chief
 Kevin Bennett, Township Attorney
 Jeremy Schrot, P.E., Spalding DeDecker
 Laura Haw, AICP, NCI, McKenna, Planning Consultant
 Alice Geletzke, Recording Secretary
 7 members of the public

B. PLEDGE OF ALLEGIANCE – Wendy Harless, Historic District Chair

C. APPROVAL OF AGENDA

Tuesday, June 23, 2020

Moved by Clerk Vorva and supported by Trustee Heitman to approve the agenda for the Board of Trustees regular meeting of June 23, 2020. Ayes all.

D. APPROVAL OF CONSENT AGENDA

D.1 Approval of Minutes:
 Regular Meeting - Tuesday, June 9, 2020

D.2 Acceptance of Communications, Resolutions, Reports
 Building Department Monthly Report - May 2020
 Fire Department Monthly Report - May 2020
 Police Department Monthly Report - May 2020
 Planning Department Monthly Report - May 2020

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



FOIA Monthly Report - Clerk's Office - May 2020
 FOIA Monthly Report - Police Department - May 2020

D.3 Approval of Township Bills:

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	\$374,929.33	\$61,672.04	\$436,601.37
Solid Waste Fund	226	2,771.98	117,880.26	120,652.24
Improvement Revolving (Capital)	246	0.00	0.00	0.00
Drug Forfeiture Fund	265	0.00	0.00	0.00
Drug Forfeiture State	266	0.00	0.00	0.00
Drug Forfeiture IRS	267	0.00	0.00	0.00
Golf Course Fund	510	0.00	0.00	0.00
Senior Transportation	588	3,299.23	0.00	3,299.23
Water/Sewer Fund	592	49,078.75	306,539.89	355,618.64
Trust and Agency	701	0.00	0.00	0.00
Police Bond Fund	702	0.00	0.00	0.00
Tax Pool	703	0.00	0.00	0.00
Special Assessment Capital	805	38.01	52,787.50	52,825.51

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



TOTALS:		\$430,117.30	\$538,879.69	\$968,996.99
----------------	--	---------------------	---------------------	---------------------

Moved by Trustee Heitman and seconded by Clerk Vorva to approve the consent agenda for the Board of Trustees regular meeting of June 23, 2020. Ayes all.

E. PUBLIC COMMENTS (Limited to 3 Minutes)

Duane Zantop had a question for Supervisor Heise; however, it was concerning political campaigning.

Mary Ann MacLaren, Chair of the Environmental Leadership Commission, expressed support for the proposed triangle park by reading the following: "We, the Environmental Leadership Commission, have reviewed the Plymouth Township triangle park plan and endorse the use of this property as a passive park as proposed."

F. NEW BUSINESS

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

1. Presentation by Historic District Chair, HDC Chair Wendy Harless

Ms. Harless gave a presentation denoting the work of the Historic District Commission such as formulating a procedure for residents to nominate their structures as an Historic District, researching Shearer Cemetery to be the Township's first historic district, creating a visual record of historic structures, creating a tourism brochure and an historic plaques program, publishing an historic fact in the newsletter and working on a dedication ceremony for the historical marker created by Trustee Dempsey.

Trustee Dempsey commended Ms. Harless for her leadership serving on the commission.

2. Reappointments to Historic District Commission, Resolution #2020-06-23-56, Supervisor Kurt Heise

Moved by Clerk Vorva and seconded by Trustee Curmi to approve **Resolution #2020-06-23-56**, authorizing the reappointment of Dennis Cebulski and Kevin Gurtowsky to the Historic District Commission for a term ending June 30, 2023. Ayes all on a roll call vote.

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



3. Appointments and Reappointments to Environmental Leadership Commission, **Resolution #2020-06-23-57**, *Supervisor Kurt Heise*

Supervisor Heise explained that Laura Haw's nomination would be as a private citizen and not in her capacity as Township planner.

Moved by Trustee Heitman and seconded by Trustee Curmi to approve **Resolution #2020-06-23-57**, authorizing the appointment of Laura Haw and Damon Krueger and the reappointment of Linda Barterian to the Environmental Leadership Commission for a term ending December 31, 2023. Ayes all on a roll call vote.

4. Fire Safety Millage Renewal Ballot Language, **Resolution #2020-06-23-58**, *Treasurer Mark Clinton*

Board members discussed the pros and cons of the expiration date for the millage renewal, deciding on a 20-year period rather than 15 years.

Moved by Trustee Curmi and seconded by Clerk Vorva to amend the language in **Resolution #2020-06-23-58**, to "20-year period of 2021 through 2040 inclusive." Ayes all on a roll call vote.

Moved by Trustee Heitman and seconded by Clerk Vorva to approve **Resolution #2020-06-23-58**, which authorizes the placement of a request for the renewal of the 2001 Fire Millage on the November 3 2020 ballot at a rate of up to 0.9866 mills for 20 years with the language specified in the resolution, as amended. Ayes all on a roll call vote.

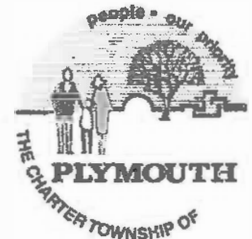
5. AWIA Risk and Resilience Assessment Contract with HRC Engineers, **Resolution #2020-06-23-59**, *DPS Director Patrick Fellrath*

Mr. Fellrath reviewed the reasons for the Risk and Resilience Assessment (RRA), a comprehensive study of the Township's water system and for updating the hydraulic model.

Moved by Trustee Heitman and seconded by Trustee Curmi to approve the attached proposal from HRC for an amount not to exceed \$50,990 for updating the Township's water system hydraulic model and conducting a Risk and Resilience Assessment (RRA) to comply with America's Water Infrastructure Act of 2018 (AWIA). Ayes all on a roll call vote.

6. Annual Wayne County Road Permit Application, **Resolution #2020-06-23-60**, *DPS Director Patrick Fellrath*

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



Moved by Clerk Vorva and seconded by Trustee Heitman to approve **Resolution #2020-06-23-60**, authorizing execution of the Annual Maintenance Permit, Annual Pavement Restoration Permit, Annual Street Sweeping Permit, and Annual Special Events Permit with Wayne County to allow the Township to work within the Wayne County Road Right-of-Ways with the inclusion of a cover letter reserving the Township's right to challenge the indemnification provisions as beyond the authority of the Township. Ayes all on a roll call vote.

7. Andover Forest Storm Drain Agreement, **Resolution #2020-06-23-61**,
Township Engineer Jeremy Schrot

Moved by Trustee Heitman and seconded by Trustee Curmi to adopt **Resolution #2020-06-23-61**, authorizing the Township Supervisor to sign the Wayne County Permit M-48478 and approve the Storm Drain Agreement with Andover Forest LLC, and authorize the Township Supervisor and Clerk to execute same. Ayes all on a roll call vote.

8. Request for the Creation of a Neighborhood Passive Park (Golfview Park),
Resolution #2020-06-23-62, *Trustee Jack Dempsey*

After presentations by Trustee Dempsey and Laura Haw, Board members discussed various aspects of whether to formally designate the property as a park. Some of the pros mentioned included having a place to plant the trees donated by Webasto, installing the crosswalk for better access, and having a project ready to bring to the table in case of grant availability. Some of the reasons given for not proceeding were maintenance needs not being met in Township Park, no money being currently available for improvements, not currently needing the formality of park designation, and lack of public support.

Trustee Dempsey offered to amend the Resolution.

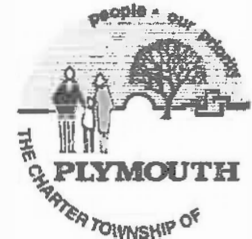
Angel Price, Joann Lamar, and Mary Ann MacLaren, members of the Environmental Leadership Commission, spoke in support of the park. Duane Zantop expressed his concerns, and Dan Callaghan had questions about maintenance of paths in Township park.

Moved by Trustee Dempsey and seconded by Trustee Doroshewitz to approve the concept plan for the triangle property as it has been presented to the Board on multiple occasions with expenditure not to exceed \$10,000 from Account 101-371-611-100.

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

Motion failed.

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



Moved by Trustee Dempsey and seconded by Trustee Heitman to approve the planting of 80 trees as part of the Webasto trees-in-kind here on this triangle property when it's appropriate later this year, pursuant to the drawing submitted. Ayes all on a roll call vote.

Moved by Trustee Dempsey and seconded by Trustee Heitman to approve the expenditure of not to exceed \$10,000 from Account 101-371-611-100 for the crossing at Ann Arbor Trail and Beck on the east side of that intersection.

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

Motion carried.

G. PUBLIC COMMENTS (Limited to 3 Minutes)

Duane Zantop had comments regarding using wood chips on the trail in Township Park.

H. SUPERVISOR AND TRUSTEE COMMENTS

Supervisor Heise noted the next meetings will be regular meetings held July 14 and July 28.

He mentioned the stability at Township Hall regarding COVID compliance and complimented the staff for adjusting admirably. He especially commended the Police and Fire Departments who are operating under extreme circumstances.

Installation of the traffic lights at Ann Arbor Road and McClumpha should be completed by August.

Clerk Vorva had comments regarding the election process, with much growth in the permanent absentee ballot application list. Military and overseas ballots have been sent on time. He asked that he be informed if anyone receives an absentee ballot application for anyone who does not live at their residence so this can be corrected.

Trustee Heitman asked that people leave early if they traverse the Ann Arbor Road/McClumpha area because of the work being done. He also warned about the correct placement of campaign signs—not between the sidewalk and street.

CHARTER TOWNSHIP OF PLYMOUTH
BOARD OF TRUSTEES MEETING
Tuesday, June 23, 2020
7:00 PM
PROPOSED MINUTES



Trustee Curmi also had comments about sign placements, the serious accident on M-14, and he had suggestions for the members of Environmental Leadership Commission to work on the elimination of sheet metal and plastics going into the landfills.

Trustee Dempsey had questions about the listening tour from Clarenceville High School.

Trustee Doroshewitz expressed concern about the lack of social distancing.

Treasurer Clinton noted that tax bills would be going out next week.

I. ADJOURNMENT

Moved by Trustee Heitman and seconded by Clerk Vorva to adjourn the meeting at 9:18 p.m. Ayes all.

Jerry Vorva, Township Clerk

This was taken on the east side of Beck south of AA Road. I'd like to do a shout-out to the community spirit and conservation ethic that is represented here.

Jack Dempsey



BOARD DATE

7/14/2020

FUND NAME	FUND NUMBER	PAYROLL & INVOICES PAID		
		TOTAL INC PAYROLL	PRIOR TO MEETING	INVOICES PAID AFTER BOARD REVIEW
GENERAL FUND	101	1,080,829.96	926,826.63	154,003.33
SWD	226	7,574.95	6,720.46	854.49
IMPROV. REV.	246	-	-	
DRUG FORFEITURE	265	-	-	
DRUG FORFEITURE	266	-	-	
DRUG FORFEITURE	267	-	-	
GOLF COURSE FUND	510	-	-	
SENIOR TRANSPORTATION	588	7,838.56	7,799.57	38.99
WATER & SEWER	592	1,177,891.92	801,350.67	376,541.25
TRUST & AGENCY	701	-	-	
POLICE BOND FUND	702	-	-	
TAX POOL	703	-	-	
SPECIAL ASSESS CAPITAL	805	35,657.76	35,657.76	
	TOTAL	2,309,793.15	1,778,355.09	531,438.06

GRAND TOTAL 2,309,793.15

NOTE: 6/23/2020 "Invoices Paid After Board Review" was overstated by \$819.80 due to two checks being generated for erroneous amounts.

Charter Township of Plymouth

AP Invoice Listing - Board Report

Board Kuen 7/18/20 Page 176

VENDOR INFORMATION

INVOICE INFORMATION

Map Electric		Invoice Amount:	\$3,575.00
ELECTRIC WORK ON FOUNTAIN SYSTEM AT PAR		Check Date:	07/14/2020
101-691-931.000	INV 2975		3,575.00
ADVANCED DISPOSAL		Invoice Amount:	\$78.08
DPW RESI COMPOST - JUNE 2020		Check Date:	07/14/2020
226-226-810.400	COMPOST 06/19/20		65.00
226-226-810.400	Fuel Surcharge		6.64
226-226-810.400	Compliance Fee		6.44
ADVANCED DISPOSAL		Invoice Amount:	\$78.08
DPW RESI COMPOST - JUNE 2020		Check Date:	07/14/2020
226-226-810.400	COMPOST 06/05/20		65.00
226-226-810.400	Fuel Surcharge		6.64
226-226-810.400	Compliance Fee		6.44
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$524.95
UNIFORMS FOR C. HALLER		Check Date:	07/14/2020
101-336-758.000	PANTS		59.99
101-336-758.000	ZIP SHIRT		140.00
101-336-758.000	JOB SHIRT		69.99
101-336-758.000	BASEBALL HAT		25.00
101-336-758.000	HAT W/LOGO		35.00
101-336-758.000	POLO SHIRTS		194.97
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$289.96
UNIFORMS FF CONELY		Check Date:	07/14/2020
101-336-758.000	PANTS		164.97
101-336-758.000	BELT		34.99
101-336-758.000	BOOTS		90.00
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$227.97
UNIFORMS FF INMAN		Check Date:	07/14/2020
101-336-758.000	JOB SHIRTT		87.99
101-336-758.000	S/S SHIRT		54.99
101-336-758.000	L/S SHIRT		59.99
101-336-758.000	ALTERATIONS		25.00
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$345.96
UNIFORMS FF INMAN		Check Date:	07/14/2020
101-336-758.000	S/S POLO SHIRT		115.98
101-336-758.000	BOOTS		199.99
101-336-758.000	T SHIRT		29.99
ALLIE BROTHERS UNIFORMS		Invoice Amount:	\$748.92
UNIFORMS FF TACOMA		Check Date:	07/14/2020
101-336-758.000	BADGE BACKER		12.00
101-336-758.000	NAME TAG		19.99
101-336-758.000	JOB SHIRT		129.98
101-336-758.000	T-SHIRT		29.99
101-336-758.000	POLO SHIRT		64.99
101-336-758.000	L/S SHIRT		269.99
101-336-758.000	DRESS PANTS		89.99
101-336-758.000	COLLAR BRASS		8.00
101-336-758.000	HAT BADGE		69.50
101-336-758.000	TIE		6.50
101-336-758.000	CLASS A L/S SHIRT		47.99

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

ALLIE BROTHERS UNIFORMS			Invoice Amount:	\$299.96
UNIFORMS FF BUKIS			Check Date:	07/14/2020
	101-336-758.000	PANTS		179.97
	101-336-758.000	BOOTS		119.99
ALLIE BROTHERS UNIFORMS			Invoice Amount:	\$665.91
UNIFORMS FOR FF SMITH			Check Date:	07/14/2020
	101-336-758.000	PANTS		179.97
	101-336-758.000	QTR ZIP		140.00
	101-336-758.000	JOB SHIRT		69.99
	101-336-758.000	HAT		24.99
	101-336-758.000	KNIT HAT		10.99
	101-336-758.000	POLO SHIRT		194.97
	101-336-758.000	UNIFORM EMB		45.00
ALLIE BROTHERS UNIFORMS			Invoice Amount:	\$49.99
INV. 79853 6/8/2020 UNIFORM EQUIPMENT/PSA			Check Date:	07/14/2020
	101-325-758.000	UNIFORM S/S SHIRT		49.99
APOLLO FIRE EQUIPMENT			Invoice Amount:	\$299.21
CHAIN SAW MOUNT			Check Date:	07/14/2020
	101-336-863.000	CHAIN SAW MOUNT W/FREIGHT		299.21
B & R JANITORIAL SUPPLY			Invoice Amount:	\$251.81
CLEANING SUPPLIES			Check Date:	07/14/2020
	101-336-776.000	ANGEL SOFT BATH TISSUE	GPC1688	92.03
	101-336-776.000	C-FOLD TWL WHT2400	21001100CASE	69.58
	101-336-776.000	BLEACH	10005800 INDIV. G	7.58
	101-336-776.000	CENTERPULL TWL 2 PLY 6400+	2100081	82.62
B & R JANITORIAL SUPPLY			Invoice Amount:	\$366.60
CLEANING SUPPLIES			Check Date:	07/14/2020
	101-336-776.000	PUREX CONCENTRATE LIQUID LAUNDRY		345.72
	101-336-776.000	**5 GAL LID PUMP	UNKNOWN	20.88
BATTERIES PLUS BULBS			Invoice Amount:	\$111.95
NEW AUTOMOTIVE BATTERY FOR #405			Check Date:	07/14/2020
	592-291-863.000	12V 65 FLOODED 24 (BATTERY)		111.95
BENDZINSKI & CO.			Invoice Amount:	\$1,000.00
CONTINUING DISCLOSURE UNDERTAKING FOR Y			Check Date:	07/14/2020
	101-201-817.000	CONTINUING DISCLOSURE 2019		1,000.00
BLACKWELL FORD INC.			Invoice Amount:	\$479.85
INV. 365397 7/1/2020 - VEHICLE REPAIR/128075			Check Date:	07/14/2020
	101-305-863.000	REPLACE REAR BRAKES		479.85
BLACKWELL FORD INC.			Invoice Amount:	\$52.30
INV. 364767 6/17/2020 - VEHICLE REPAIR/B684			Check Date:	07/14/2020
	101-305-863.000	THE WORKS OIL CHANGE		52.30
BLACKWELL FORD INC.			Invoice Amount:	\$52.30
INV. 364776 6/17/2020 - VEHICLE REPAIR/12971			Check Date:	07/14/2020
	101-305-863.000	THE WORKS OIL CHANGE		52.30
OCCUPATIONAL HEALTH CENTERS OF MI			Invoice Amount:	\$51.00
PARKS - PREPLACEMENT PHYSICAL - EALOVEGA			Check Date:	07/14/2020

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

	101-691-818.000	EALOVEGA -PREPLACEMENT	51.00
OCCUPATIONAL HEALTH CENTERS OF MI		Invoice Amount:	\$44.50
DPW BUMP - RANDOM SCREENING - INV # 7126		Check Date:	07/14/2020
592-172-727.000	BUMP SCREENING		44.50
C M 2 DESIGNS		Invoice Amount:	\$1,326.00
REPALCEMENT UNIFORMS FOR EMPLOYEES		Check Date:	07/14/2020
101-336-758.000	POLO FOR PHILLIPS		88.00
101-336-758.000	TWP BASEBALL HAT CULVER		18.00
101-336-758.000	1/4 ZIP JOB SHIRT CULVER		68.00
101-336-758.000	POLO CULVER		120.00
101-336-758.000	HAT GUINN		18.00
101-336-758.000	SHOES GUINN		85.00
101-336-758.000	1/4 ZIP JOB SHIRT GUINN		136.00
101-336-758.000	PANTS GUINN		195.00
101-336-758.000	T SHIRTS GUINN		30.00
101-336-758.000	T SHIRTS HARRELL		30.00
101-336-758.000	PANTS HALLER		195.00
101-336-758.000	PANTS MACK		195.00
101-336-758.000	POLO MACK		80.00
101-336-758.000	1/4 ZIP JOB SHIRT MACK		68.00
Calhoun Technologies, LLC		Invoice Amount:	\$1,700.00
QUOTATION #23022 HP MEMEORY PARTS		Check Date:	07/14/2020
592-172-978.000	ITEM #752369-081		1,700.00
CDW GOVERNMENT INC		Invoice Amount:	\$862.47
NEW UPS FOR LAKE POINT SOCCER PARK (FLOO		Check Date:	07/14/2020
101-691-978.001	UPS - QUOTE #LFTJ424		862.47
CDW GOVERNMENT INC		Invoice Amount:	\$487.50
O365 MAIL MIGRATION IMPLEMENTATION (2019		Check Date:	07/14/2020
101-201-978.000	O365 Mail Migration Implementation		487.50
CDW GOVERNMENT INC		Invoice Amount:	\$199.97
ZEBRA LS2208 SCANNER & STAND, DYMO TURB		Check Date:	07/14/2020
101-262-727.000	ZEBRA SCANNER W STAND		120.38
101-262-727.000	DYMO 450 TURBO LABELWRITER		79.59
CDW GOVERNMENT INC		Invoice Amount:	\$199.97
ZEBRA LS2208 SCANNER & STAND, DYMO TURB		Check Date:	07/14/2020
101-262-727.000	ZEBRA SCANNER W STAND		120.38
101-262-727.000	DYMO 450 TURBO LABELWRITER		79.59
CINTAS CORPORATION - 300		Invoice Amount:	\$225.08
INV. 4053640675 6/19/2020 MAT SERVICE FOR		Check Date:	07/14/2020
101-305-776.000	Mats for pd		225.08
CODE SAVVY CONSULTANTS LLC		Invoice Amount:	\$625.00
FIRE ALARM PLAN REVIEW 13250 HAGGERTY		Check Date:	07/14/2020
101-371-818.000	INVOICE 1683		625.00
Corporate Benefit Solutions, LLC		Invoice Amount:	\$280.19
JUNE 2020 MONTHLY PREMIUM FOR BENEXPRES		Check Date:	07/14/2020
101-171-818.000	BENEXPRESS ENROLLMENT		400.00
101-171-818.000	UNUM BENX CREDIT		(119.81)

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

DELWOOD SUPPLY CO.			Invoice Amount:	\$316.91
SERVICE VALVES/PARTS 6/9/20 #2006-014793			Check Date:	07/14/2020
592-291-935.000	PARTS			316.91
DELWOOD SUPPLY CO.			Invoice Amount:	\$8.20
DPW SHOP BATHROOM #2006-014367			Check Date:	07/14/2020
592-291-851.000	PARTS FOR SHOP BATHROOM			8.20
EctoHR, Inc.			Invoice Amount:	\$6,702.50
ECTOHR - JUNE 2020 SERVICES - (DETAILED INV			Check Date:	07/14/2020
101-171-818.200	6.20 SERVICES - INV. 11399			6,702.50
ELLSWORTH INDUSTRIES			Invoice Amount:	\$675.68
C1-2 SAND TRK 220 6/10/2020			Check Date:	07/14/2020
592-291-935.000	C1-2 SAND TRK 220			675.68
ETNA SUPPLY			Invoice Amount:	\$892.74
PARTS FOR METERS INVOICE#S103562472 6/23/			Check Date:	07/14/2020
592-291-932.000	PARTS FOR METERS			840.00
592-291-932.000	S&H			52.74
FELLRATH, PATRICK			Invoice Amount:	\$90.85
MILEAGE REIMBURSEMENT JUNE 2020			Check Date:	07/14/2020
592-291-863.000	MILEAGE REIMBURSEMENT JUNE 2020			90.85
GFL Environmental USA, Inc.			Invoice Amount:	\$756.00
DPW STREET SWEEPING DEBRIS			Check Date:	07/14/2020
592-291-973.033	TEMP DUMPSTERS-STREET SWEEPING 06/16/2			350.00
592-291-973.033	16.24 TONS - DISPOSAL FEE - \$25/TON			406.00
GFL Environmental USA, Inc.			Invoice Amount:	\$450.00
DPW RECYCLE CENTER			Check Date:	07/14/2020
226-226-810.500	06/23/20 - CARDBOARD/PAPER			225.00
226-226-810.500	06/23/20 - PLASTICS/TIN			225.00
GARRETT AUTO AND TRUCK SVC			Invoice Amount:	\$99.71
#42746 OIL CHANGE ROUTINE MAINT. ON #419			Check Date:	07/14/2020
592-291-863.000	All repairs, parts, labor			99.71
GARRETT AUTO AND TRUCK SVC			Invoice Amount:	\$119.96
#42746 OIL CHANGE ROUTINE MAINT. ON #407			Check Date:	07/14/2020
592-291-863.000	All repairs, parts, labor			119.96
GARRETT AUTO AND TRUCK SVC			Invoice Amount:	\$76.94
#42746 OIL CHANGE ROUTINE MAINT. ON #401			Check Date:	07/14/2020
592-291-863.000	All repairs, parts, labor			76.94
GARRETT AUTO AND TRUCK SVC			Invoice Amount:	\$84.72
#42737 OIL CHANGE ROUTINE MAINT. ON #400			Check Date:	07/14/2020
592-291-863.000	All repairs, parts, labor			84.72
GENERAL CODE			Invoice Amount:	\$4,070.00
Laserfiche SW Assurance Plan			Check Date:	07/14/2020
101-290-941.000	25 Retrieval & E-mail basic LSAP			1,650.00
101-290-941.000	5 Full, E-mail & Snapshot basic L			825.00
101-290-941.000	11F Standard Server LSAP			1,595.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

General Linen & Uniform Service		Invoice Amount:	\$18.75
INV. 0297344 6/16/2020 PRISONER BLANKET CL		Check Date:	07/14/2020
101-325-851.000	Blanket Cleaning		11.25
101-325-851.000	DELIVERY CHARGE		7.50
Gilo, Nolan		Invoice Amount:	\$137.79
REIMB FOR BROKEN PHONE DURING MEDICAL R		Check Date:	07/14/2020
101-336-727.000	REIB FOR BROKEN PHONE DAMAGED DURING		137.79
Great Lakes Ace Hardware		Invoice Amount:	\$78.43
FY2020 BLANKET PURCHASE ORDER - JUNE 2020		Check Date:	07/14/2020
101-691-931.000	FY2020 Blanket Purchase Order		78.43
HALT FIRE INC		Invoice Amount:	\$2,381.21
ENGINE 23443 KNOX BOX, A/C, FILTERS, FLUIDS		Check Date:	07/14/2020
101-336-863.000	ENGINE 23443 KNOX BOX, A/C, FILTERS, FLU		2,381.21
Hallahan & Associates, PC		Invoice Amount:	\$505.76
INVOICE # 17477 ASSESSING LEGAL SERVICES J		Check Date:	07/14/2020
101-209-826.000	INV. # 17477 - ASSESS. LEGAL JUNE 2020		505.76
HEMMING,POLACZYK,CRONIN,SMITH,		Invoice Amount:	\$13,679.75
LEGAL SERVICES JUNE 2020 SERVICES (KEVIN B		Check Date:	07/14/2020
101-290-825.000	ORDINANCE PROSECUTIONS		7,179.38
101-290-827.000	COMMUNITY DEVELOPMENT		1,575.00
101-290-826.000	ADMIN		3,924.36
101-290-826.000	PUBLIC SERVICES		157.50
101-290-826.000	MISC EXPENSES		3.50
101-290-826.000	CABLE		13.13
101-290-826.000	FIRE		643.13
592-172-830.000	WATER AND SEWER		183.75
HYDRO CORP		Invoice Amount:	\$1,851.00
CROSS CONNECTION CONTROL PROGRAM JUNE		Check Date:	07/14/2020
592-291-804.000	CROSS CONNECTION CONTROL PROGRAM JUN		1,851.00
IPS Drug Testing, LLC		Invoice Amount:	\$160.00
RANDOM FEDERAL DOT - OVERAITIS, KITCHEN,		Check Date:	07/14/2020
592-291-818.000	RANDOM FEDERAL DOT - DPW (X4)		160.00
J & B MEDICAL SUPPLY INC		Invoice Amount:	\$766.44
MEDICAL SUPPLIES		Check Date:	07/14/2020
101-336-836.000	AMB000-281-000 AMBU PERFIT ACE ADJUSTAB		565.20
101-336-836.000	PDIP54072 PDI SANI-CLOTH BLEACH GERMICI		116.88
101-336-836.000	PDIQ55172 PDI SUPER SANI-CLOTH GERMICID		84.36
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$1,500.00
DATTO CLOUD BACKUP SUBSCRIPTION FOR 202		Check Date:	07/14/2020
101-290-941.000	CLOUD BACKUP MONTHLY SUBSCRIPTION-202		1,500.00
KNIGHT TECHNOLOGY GROUP, INC.		Invoice Amount:	\$150.00
FIREWALL MONITORING JULY 2020 - INVOICE#		Check Date:	07/14/2020
101-290-941.000	FIREWALL MONITORING - JULY 2020		150.00
KONICA MINOLTA BUSINESS SOLUTIONS		Invoice Amount:	\$94.07
INV. 9006890992 6/25/2020 MAINT. AGREEMEN		Check Date:	07/14/2020
101-305-851.000	5/26/2020 - 6/25/2020 COVERAGE DATES		94.07

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

KONICA MINOLTA BUSINESS SOLUTIONS			Invoice Amount:	\$496.95
MAINTENANCE #264591111 2/29/20			Check Date:	07/14/2020
	101-171-727.000	C454e Copier Maintenance		104.36
	101-201-851.000	Maint.		19.88
	101-371-851.500	Maint.		24.85
	226-226-727.000	Maint.		24.85
	592-172-818.000	Maint		323.01
KONICA MINOLTA BUSINESS SOLUTIONS			Invoice Amount:	\$2.87
PRINTER/COPIER - ASSESSOR - INVOICE 26459			Check Date:	07/14/2020
	101-209-818.000	Copier fees - Assessor		2.87
KONICA MINOLTA BUSINESS SOLUTIONS			Invoice Amount:	\$107.63
MAINTENANCE #266350266			Check Date:	07/14/2020
	101-171-727.000	C454e Copier Maintenance		22.60
	101-201-851.000	Maint.		4.31
	101-371-851.500	Maint.		5.38
	226-226-727.000	Maint.		5.38
	592-172-818.000	Maint		69.96
AutoZone			Invoice Amount:	\$8.99
DIESEL EMMISIONS FLUIDFOR STREET SWEEPER			Check Date:	07/14/2020
	592-291-863.000	AZ-DEF		8.99
AutoZone			Invoice Amount:	\$8.99
DIESEL EMMISIONS FLUIDFOR STREET SWEEPER			Check Date:	07/14/2020
	592-291-863.000	AZ-DEF		8.99
MAIN STREET AUTO WASH			Invoice Amount:	\$435.00
MAY AND JUNE CAR WASHES			Check Date:	07/14/2020
	101-305-863.000	Police Vehicles		415.00
	101-371-863.000	Building Vehicles		20.00
MCKENNA ASSOCIATES INC			Invoice Amount:	\$5,950.80
PROFESSIONAL SERVICES - MAY 2020 - INVOIC			Check Date:	07/14/2020
	101-371-818.500	15.66 - 1/2 DAY ON-SITE SERVICES		5,950.80
MCKENNA ASSOCIATES INC			Invoice Amount:	\$370.00
PROFESSIONAL SERVICES - MAY 2020 - INVOIC			Check Date:	07/14/2020
	101-371-818.500	5% - MASTER PLAN		370.00
MCKENNA ASSOCIATES INC			Invoice Amount:	\$2,372.50
PROFESSIONAL SERVICES - MAY 2020 - 90047-			Check Date:	07/14/2020
	101-371-818.500	SR.PRINCIPAL PLANNER		852.50
	101-371-818.500	GOLFVIEW PARK CONCEPT DESIGN		200.00
	101-371-818.500	HILLSIDE 5 MILE AND RIDGE FLEX		1,210.00
	101-371-818.500	SR. PRIN. PLANNER ADDTL. SERVICES		110.00
MESSINA CONCRETE INC			Invoice Amount:	\$538.48
CONCRETE FOR 3 WMB RESTORATIONS			Check Date:	07/14/2020
	592-291-932.000	46148 FORESTWOOD & 44727 ERIC PASS 6/22		538.48
MESSINA CONCRETE INC			Invoice Amount:	\$578.23
CONCRETE FOR 3 WMB RESTORATIONS			Check Date:	07/14/2020
	592-291-932.000	48030 ST. ANDREWS 6/22/20 2 YARDS		578.23

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

ELECTION SOURCE		Invoice Amount:	\$11,885.00
VARIOUS ON-SITE AV, ICX & ICP TESTING (SEE I		Check Date:	07/14/2020
101-262-818.000	TEST CHART,BALLOT TEST DECK		260.00
101-262-818.000	ICP TESTING		4,725.00
101-262-818.000	ICX ADA TESTING		180.00
101-262-818.000	ADD'L ICX ADA TESTING		4,200.00
101-262-818.000	ADD'L AV TEST DECKS		2,520.00
MICHIGAN, STATE OF		Invoice Amount:	\$30.00
INV. 551-562250 6/5/2020 SOR REGISTRATION		Check Date:	07/14/2020
101-305-818.000	SOR REGISTRATION-PERIOD ENDING 5/31/20		30.00
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
UNIFORMS 7/3/2020 #428189		Check Date:	07/14/2020
592-172-758.000	7/3/2020		84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
UNIFORMS 6/26/20 #427820		Check Date:	07/14/2020
592-172-758.000	6/26/20		84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
UNIFORMS 6/19/20 #427454		Check Date:	07/14/2020
592-172-758.000	6/19/20		84.35
MICHIGAN LINEN SERVICE		Invoice Amount:	\$84.35
UNIFORMS 6/12/20 #427131		Check Date:	07/14/2020
592-172-758.000	6/12/20		84.35
MOTOROLA SOLUTIONS, INC.		Invoice Amount:	\$14,076.00
INV. 8230279855 6/20/2020 SERVICE RENEWAL		Check Date:	07/14/2020
101-325-851.000	SERVICE PERIOD 4/1/2020 - 3/31/2021		14,076.00
MICHIGAN RURAL WATER ASSOC.		Invoice Amount:	\$875.00
MEMBERSHIP DUES JULY/20 - JUNE/21		Check Date:	07/14/2020
592-172-958.000	MEMBERSHIP DUES JULY/20 - JUNE/21		875.00
O K FIRE EQUIPMENT CO		Invoice Amount:	\$883.50
ANNUAL FIRE EXTINGUISHER INSPECTION		Check Date:	07/14/2020
101-336-776.000	INVOICE 7891		241.00
101-691-818.000	INVOICE 7891		295.00
592-291-776.000	INVOICE 7891		347.50
O K FIRE EQUIPMENT CO		Invoice Amount:	\$579.50
ANNUAL FIRE EXTINGUISHER INSPECTION		Check Date:	07/14/2020
101-265-776.000	INVOICE 7890		285.00
101-265-858.000	INVOICE 7890		15.00
101-336-776.000	INVOICE 7890		279.50
OFFICE DEPOT		Invoice Amount:	\$285.69
OFFICE SUPPLIES JUNE 20		Check Date:	07/14/2020
592-172-727.000	FLOOR MARKING TAPE		0.00
592-172-727.000	SURGE PROTECTOR		28.88
592-172-727.000	OUTLET EXTENSION		12.57
592-172-727.000	FINGERTIP GRIPS		12.74
101-171-727.000	PAPER		34.01
101-201-727.000	PAPER		6.48
101-201-727.000	PAPER		24.30

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

226-226-727.000	PAPER	8.10
592-172-727.000	PAPER	89.07
101-201-727.000	RED PENS	12.87
592-172-727.000	SHIPPING TAPE	56.67

OFFICE DEPOT**Invoice Amount: \$282.50**

ELECTRIC DATE/TIME STAMP, BLK GEL PENS, DE

Check Date: 07/14/2020

101-262-727.000	ELEC DATE STAMPER	223.99
101-215-727.000	BLK GEL PENS (12 PK)	9.56
101-215-727.000	DESKTOP SORTER	11.17
101-215-727.000	SPRING POWER DESKTOP STAPLER	15.69
101-215-727.000	3-HOLE PUNCH (BLACK) +SURCHG	12.53
101-215-727.000	TUL FINE PT GEL PENS (ASSTD)	9.56

OFFICE DEPOT**Invoice Amount: \$16.49**

ELECTRIC DATE/TIME STAMP, BLK GEL PENS, DE

Check Date: 07/14/2020

101-215-727.000	3-HOLE PUNCH (PURPLE)	16.49
-----------------	-----------------------	-------

OFFICE DEPOT**Invoice Amount: \$218.13**

OFFICE SUPPLIES - ASSESS & SUP - INV #50670

Check Date: 07/14/2020

101-209-727.000	POST IT NOTES 4X6 LINED 617209	6.93
101-209-727.000	PILOT PENS - ROLLERBALLS 770160	9.93
101-209-727.000	POST IT NOTES - RIO - 544458	10.78
101-209-727.000	PILOT PENS RED - 950591	10.59
101-209-727.000	PILOT PENS - BLUE - 292745	10.59
101-209-727.000	CORRECTION TAPE - 606422	11.99
101-209-727.000	TONER CARTRIDGES - 228505	77.34
101-171-727.000	POST IT - SIGN HERE NOTES 547422	12.18
101-171-727.000	FILE FOLDERS - 810838	9.80
101-171-727.000	SCOTCH TAPE - 489461	33.92
101-171-727.000	RUBBER BANDS 865019	11.79
101-171-727.000	LIQUID PAPER 254089	7.88
101-171-727.000	TAPE DISPENSERS 173336	4.41

OFFICE DEPOT**Invoice Amount: \$13.59**

OFFICE SUPPLIES - ASSESS & SUP - INV #50670

Check Date: 07/14/2020

101-209-727.000	MESH DESK ORGANIZER 9398183	13.59
-----------------	-----------------------------	-------

OFFICE DEPOT**Invoice Amount: \$10.49**

OFFICE SUPPLIES - ASSESS & SUP - INV #50670

Check Date: 07/14/2020

101-209-727.000	POST IT NOTES - SUPER STICKY 744837	10.49
-----------------	-------------------------------------	-------

OFFICE DEPOT**Invoice Amount: \$163.94**

INV. 506938619001 6/8/2020 POLICE DEPT. OFF

Check Date: 07/14/2020

101-305-727.000	SCISSORS	13.19
101-305-727.000	MESH PENCIL CUP	0.97
101-305-727.000	SHARPIE PENS	10.89
101-305-727.000	CLASP ENVELOPES	13.74
101-305-727.000	IMPORT SURCHARGE	1.64
101-305-727.000	ECO MAGIC TAPE	15.98
101-305-727.000	MEDIUM BINDER CLIPS	2.92
101-305-727.000	LARGE BINDER CLIPS	2.92
101-305-727.000	LABELMAKER TAPE	18.63
101-305-727.000	CD/DVD SLEEVES	56.60
101-305-727.000	INKJOY GEL PENS	16.18
101-305-727.000	B2P PENS	10.28

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

OFFICE DEPOT			Invoice Amount:	\$115.56
INV. 506939818001 6/8/2020 POLICE DEPT. OFF			Check Date:	07/14/2020
101-305-727.000	DVD+R 4.7GB			115.56
OFFICE DEPOT			Invoice Amount:	\$33.99
INV. 506939817001 6/10/2020 POLICE DEPT. OF			Check Date:	07/14/2020
101-305-727.000	HANDHELD LABELMAKER			33.99
OFFICE DEPOT			Invoice Amount:	\$57.26
OFFICE SUPPLIES - FRIENDSHIP STATION AND S			Check Date:	07/14/2020
588-588-727.000	CASE - MULTI USE PAPER (COPY/PRINT) (FS)			38.99
101-171-727.000	PREMIUM CARD STOCK (ELC)			7.32
101-171-727.000	POST IT NOTES			10.95
OFFICE DEPOT			Invoice Amount:	\$4.99
LABELS & RUBBER BANDS			Check Date:	07/14/2020
101-262-727.000	7 X 1/8 RUBBER BANDS			4.99
OFFICE DEPOT			Invoice Amount:	\$111.89
LABELS & RUBBER BANDS			Check Date:	07/14/2020
101-262-727.000	5160 LABELS			105.90
101-262-727.000	ASST RUBBER BANDS			5.99
OFFICE DEPOT			Invoice Amount:	\$49.58
ALPHA DESK/FILE SORTERS			Check Date:	07/14/2020
101-262-727.000	LEGAL SIZE SORTERS			49.58
OFFICE DEPOT			Invoice Amount:	\$40.71
ALPHA DESK/FILE SORTERS			Check Date:	07/14/2020
101-262-727.000	LETTER SIZE SORTERS			40.71
CHARTER TWSP OF PLYMOUTH			Invoice Amount:	\$2,181.91
SENIOR TRANSPORTATION - JUNE 2020			Check Date:	07/14/2020
101-955-885.000	JUNE 2020 - SENIOR TRANS.EXPENSES			2,181.91
Postma Plumbing, Inc.			Invoice Amount:	\$1,050.00
2 WATER CLOSETS AND ACCESSORIES INSTALLE			Check Date:	07/14/2020
101-691-931.000	2 WC'S ANDF ACCESSORIES INSTALLATION			1,050.00
Postma Plumbing, Inc.			Invoice Amount:	\$535.40
TEMPERING VALVE AT WATER HEATER INSTALL			Check Date:	07/14/2020
101-691-931.000	TEMPERING VALVE & INSTALLATION			535.40
PROGRESSIVE PRINTING			Invoice Amount:	\$3,602.00
2020 SUMMER TAX BILLS, ENVELOPES, MAIL & D			Check Date:	07/14/2020
101-253-831.000	12,000 TAX BILLS			1,158.00
101-253-831.000	13,500 #10 BLUE WINDOW ENVELOPES			1,128.00
101-253-831.000	10,000 #9 RETURN ENVELOPES			608.00
101-253-831.000	Mail/Distribution services			708.00
PROGRESSIVE PRINTING			Invoice Amount:	\$210.00
MAGNETIC SIGNS FOR DPW RECYCLE DUMPSTE			Check Date:	07/14/2020
226-226-810.500	MAGNETIC SIGN - 23" BY 23" - DPW RECYCLE			210.00
Pumphrey, Zachary			Invoice Amount:	\$754.78
TUITION REIMBURSEMENT 5/7/2020			Check Date:	07/14/2020
592-172-960.000	TUITION REIMBURSEMENT MAY 2020			754.78

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

SHI International Corp.		Invoice Amount:	\$2,205.12
VEEAM BACKUP SOFTWARE RENEWAL - QUOTE 1		Check Date:	07/14/2020
101-290-941.000	VEEAM Bkup Renewal-V-VBRENT-VS-P01AR-00		2,205.12
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$46,860.50
SPALDING DEDECKER - JUNE 2020 INVOICE FOR		Check Date:	07/14/2020
101-371-818.500	#83199-PLYMOUTH TWP ENGINEERING 2020		500.00
101-371-818.500	#83200-SMILE & RIDGE FLEX BLDG-PLANNING		1,350.00
101-371-818.500	#83219-PLY TWP ENG TASKS 2020		5,940.00
592-172-820.000	#83212 -PLYMOUTH TWP GPS		1,411.50
101-336-776.000	#83213 - FIRE STATION #2		2,770.00
101-446-818.000	#83210 - SIDEWALK ASSESSMENT		14,917.00
592-172-820.000	#83226 - EMERG. WATER MAIN REPAIRS CON		2,485.50
592-172-820.000	83218-- 2019-MISS DIG DESIGN TICKET,		160.00
592-291-970.000-20	#83327 - CIPP-JOY ROAD SEWER		1,367.22
592-291-970.000-20	#83327-CIPP-RIVERSIDE DRIVE		1,367.22
592-291-970.000-20	#83327-CIPP-GENERAL DRIVE #1		1,367.22
592-291-970.000-20	#83327-CIPP- GENERAL DRIVE #2		1,367.22
592-291-970.000-20	#83327-CIPP- NORTHVILLE ROAD #1		1,367.22
592-291-970.000-20	#83327-CIPP-NORTHVILLE ROAD #2		1,367.22
592-291-970.000-20	#83327-CIPP - ANN ARBOR ROAD		1,367.22
592-291-970.000-20	#83327-CIPP- BRADBURY CONDO		1,367.22
592-291-970.000-20	#83327-CIPP-COUNTRY ACRES PUMPING		1,367.24
592-172-820.000	#83222-2020 MISS DIG DESIGN TICKET		2,964.50
101-290-818.000	83223-123NET-44692 HELM ST - DPW		726.00
101-290-818.000	83224-COMCAST JB0000322550-45900 PORT S		726.00
101-290-818.000	83225-GALLEON DR. TO CLIPPER ST - DPW		605.00
TireHub, LLC		Invoice Amount:	\$4,170.12
INV. 14485714 6/25/2020 PATROL/DETECTIVE B		Check Date:	07/14/2020
101-305-863.000	2455518 GY EAGLE TIRES		2,700.00
101-305-863.000	2355518 GY ASSUR MAXLIFE TIRES		1,470.12
TOWN LOCKSMITH		Invoice Amount:	\$228.00
KEYS #47506 6/18/20		Check Date:	07/14/2020
592-172-776.000	HEAVY DUTY LOCKS		118.40
592-172-776.000	K-7 TUMBLERS		95.60
592-172-776.000	K-2 LOCKS		14.00
TOWN LOCKSMITH		Invoice Amount:	\$14.00
K7 KEYS #47469 6/17/20		Check Date:	07/14/2020
592-172-776.000	FOR WTUA		7.00
592-172-776.000	FOR DPW		7.00
SIMPLIFILE, LC		Invoice Amount:	\$33.00
RECORDING FEES AT WAYNE COUNTY		Check Date:	07/14/2020
101-290-698.200	SIMPLIFILE HOLIDAY INN		33.00
USA BLUEBOOK		Invoice Amount:	\$127.91
MARKING EQUIPMENT #260192 6/8/2020		Check Date:	07/14/2020
592-291-935.000	FLAG 30" WIRE STAFF GREEN		96.64
592-291-935.000	TAX		7.24
592-291-935.000	FREIGHT		24.03
USA BLUEBOOK		Invoice Amount:	\$715.61
MARKING EQUIPMENT #260714 6/8/20		Check Date:	07/14/2020
592-291-935.000	Flag 21' Wire Staff (Blue)		232.80

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

	592-291-935.000	RUSTOLEUM BLUE CASE OF 12	144.96
	592-291-935.000	INVERTED PAINT APWA BLUE OF 12 200Z	54.95
	592-291-935.000	INVERTED PAINT GREEN OF 12 200Z	109.90
	592-291-935.000	TAX	40.51
	592-291-935.000	FREIGHT	132.49
VAN BUREN ELECTRIC		Invoice Amount:	\$397.00
LIGHT FIXTURES STA #1 & 2		Check Date:	07/14/2020
	101-336-776.000	REPL LIGHT FIXTURES STA# 1 & 2	397.00
VAN BUREN ELECTRIC		Invoice Amount:	\$479.00
ELECTRICAL SERVICES 6/8/20 @ STA# 1		Check Date:	07/14/2020
	101-336-776.000	ELECTRICAL SERVICE/BX CONNECTIONS STA#	479.00
Aaron Warring		Invoice Amount:	\$128.65
UNIFORM REIMBURSEMENT - POLICE OFFICER A		Check Date:	07/14/2020
	101-305-758.000	DANNER SCORCH SIDE ZIP BOOT	127.15
	101-305-758.000	POSTAGE & HANDLING	1.50
WAYNE COUNTY		Invoice Amount:	\$197.40
MAY 2020 TRAFFIC SIGNAL MAINTENANCE INVO		Check Date:	07/14/2020
	101-446-851.000	TRAF SIG MAINTENANCE 5/2020	197.40
WCA ASSESSING		Invoice Amount:	\$24,604.58
APPRAISAL SERVICES RENDERED - JULY 2020		Check Date:	07/14/2020
	101-209-818.000	Appraisal Services Rendered (Contract)	24,447.91
	101-209-818.000	Co-Star Services	156.67
WCA ASSESSING		Invoice Amount:	\$434.49
WCA ASSESSING JUNE 2020 SPECIAL BILLING -		Check Date:	07/14/2020
	101-209-818.000	JUNE 2020 SPECIAL BILLING - APPRAISAL	434.49
WEBQA, INC.		Invoice Amount:	\$2,735.00
FOIA MODULE 6/1/20 - 5/31/21 (1 YR)		Check Date:	07/14/2020
	101-290-941.000	FOIA MODULE 6/1/20 - 5/31/21	2,735.00
Great Lakes Water Authority		Invoice Amount:	\$344,914.05
GLWA - MAY 2020 WATER USAGE CHARGES		Check Date:	07/14/2020
	592-441-741.000	GLWA - MAY 2020 WATER USAGE	344,914.05
Haller, Christopher		Invoice Amount:	\$25.00
REIMB FOR PARAMEDICA LICENSE RENEWAL - H		Check Date:	07/14/2020
	101-336-960.000	REIMBURSEMENT FOR PARAMEDIC LIC RENEW	25.00
LISA SANDERS		Invoice Amount:	\$275.00
PAVILION RESERVATION REFUND - PERMIT 1745		Check Date:	07/14/2020
	101-290-964.000-20	REFUND DUE TO COVID 19	275.00
AIMEE REPP		Invoice Amount:	\$150.00
PAVILION RESERVATION REFUND - PERMIT 1745		Check Date:	07/14/2020
	101-290-964.000-20	REFUND DUE TO COVID 19	150.00
REGINA ABRAHAM		Invoice Amount:	\$250.00
SHELTER RESERVATION REFUND - PERMIT 1751		Check Date:	07/14/2020
	101-290-964.000-20	REFUND DUE TO COVID 19	250.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

TOM MILES PAVILION RESERVATION REFUND - PERMIT 1747 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$175.00 07/14/2020 <i>175.00</i>
NILA SARMIENTO PAVILION RESERVATION REFUND - PERMIT 1740 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$325.00 07/14/2020 <i>325.00</i>
MARSHA KOZLOWSKI PAVILION RESERVATION REFUND - PERMIT 1738 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$175.00 07/14/2020 <i>175.00</i>
TRACY BURKE SHELTER RESERVATION REFUND - PERMIT 1742 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$150.00 07/14/2020 <i>150.00</i>
MANJULA GOWDA PAVILION RESERVATION REFUND - PERMIT 1742 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$175.00 07/14/2020 <i>175.00</i>
MURALIDHAR KOSNA PAVILION RESERVATION REFUND - PERMIT 1753 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$150.00 07/14/2020 <i>150.00</i>
JENNIFER WALKER-FLORA PAVILION RESERVATION REFUND - PERMIT 1739 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$175.00 07/14/2020 <i>175.00</i>
HIMNA KHAWAJA PAVILION RESERVATION REFUND - PERMIT 1741 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$325.00 07/14/2020 <i>325.00</i>
KYLE GOODMAN PAVILION RESERVATION REFUND - PERMIT 1747 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$175.00 07/14/2020 <i>175.00</i>
CORVETTE CLUB OF MICHIGAN SHELTER RESERVATION REFUND - PERMIT 1743 <i>101-290-964.000-20 REFUND DUE TO COVID 19</i>	Invoice Amount: Check Date:	\$225.00 07/14/2020 <i>225.00</i>
Total Amount to be Disbursed:		\$531,438.06

Charter Township of Plymouth

AP Invoice Listing - Board Report

weedy Page 7/8/20

VENDOR INFORMATION

INVOICE INFORMATION

A T & T		Invoice Amount:	\$434.64
MAY 2020 PAYMENT - ACCT. 734-453-4461-659-5		Check Date:	07/08/2020
101-336-853.000	Fire		147.78
101-265-853.000	Twp. Hall		34.77
101-691-853.000	Parks		34.77
592-291-853.000	DPW		217.32

AMERITAS LIFE INSURANCE CORP.		Invoice Amount:	\$3,160.88
AMERITAS-RETIREE-DENTAL- JUNE 2020 -- POLI		Check Date:	07/08/2020
101-290-714.500	GENERAL RETIREES		623.28
101-305-714.500	POLICE RETIREES		732.84
101-325-714.500	DISPATCH RETIREE		57.64
101-336-714.500	FIRE DEPT. RETIREES		1,339.92
592-172-714.500	DPS CLERICAL RETIREE		30.68
592-291-714.500	DPW - RETIREE		376.52

AMERITAS LIFE INSURANCE CORP.		Invoice Amount:	\$5,564.36
AMERITAS - ACTIVE DENTAL - JUNE AND JULY 2		Check Date:	07/08/2020
101-171-714.000	SUPERVISOR DEPT. JUNE		30.68
101-201-714.000	INFORMATION SERVICES JUNE		97.08
101-215-714.000	CLERK DEPT. JUNE		61.36
101-253-714.000	TREASURY JUNE		154.72
101-265-714.000	TWP. HALL (HAACK) JUNE		57.64
101-305-714.000	POLICE DEPT. JUNE		1,910.96
101-325-714.000	DISPATCH JUNE		811.72
101-336-714.000	FIRE DEPT. JUNE		1,671.64
101-371-714.000	BUILDING DEPT. JUNE		270.00
588-588-714.000	SENIOR TRANS (BOYCE) JUNE		97.08
226-226-714.000	SOLID WASTE (VISEL) JUNE		97.08
592-172-714.000	DPS CLERICAL JUNE		119.00
592-291-714.000	DPW - SUPERVISORY JUNE		127.76
101-262-714.000	ELECTIONS - (TERRELL) JUNE		57.64

AMERITAS LIFE INSURANCE CORP.		Invoice Amount:	\$5,564.36
AMERITAS - ACTIVE DENTAL - JUNE AND JULY 2		Check Date:	07/08/2020
101-171-714.000	SUPERVISOR DEPT - JULY		30.68
101-201-714.000	IT SERVICES - JULY		97.08
101-215-714.000	CLERK DEPT - JULY		61.36
101-262-714.000	ELECTIONS - (TERRELL) - JULY		57.64
101-253-714.000	TREASURY DEPT. JULY		154.72
101-265-714.000	TWP HALL (HAACK) JULY		57.64
101-305-714.000	POLICE DEPT - JULY		1,910.96
101-325-714.000	DISPATCH DEPT - JULY		811.72
101-336-714.000	FIRE DEPT. - JULY		1,671.64
101-371-714.000	BUILDING DEPT. - JULY		270.00
588-588-714.000	SENIOR TRANS (BOYCE) - JULY		97.08
226-226-714.000	SOLID WASTE (VISEL) - JULY		97.08
592-172-714.000	DPS CLERICAL - JULY		119.00
592-291-714.000	DPW SUPERVISORY - JULY		127.76

BUONO, DUANE		Invoice Amount:	\$3,469.25
JUNE 2020 MECH INSP PAY		Check Date:	07/08/2020
101-371-818.000	JUNE 2020		3,469.25

COMCAST		Invoice Amount:	\$176.97
COMCAST HIGH SPEED INTERNET - TOWNSHIP P		Check Date:	07/08/2020
101-691-921.000	High Speed Internet - Township Park		176.97

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

COMCAST		Invoice Amount:	\$128.40
COMCAST HIGH SPEED INTERNET - JULY 2020 - 101-290-941.000	COMCAST HIGH SPEED INTERNET - JULY	Check Date:	07/08/2020 128.40
DTE ENERGY		Invoice Amount:	\$6,455.14
JUNE 2020 - MUNICIPAL STREET LIGHTS - ACCT. 101-446-920.000	JUNE 2020 MUNICIPAL STREET LIGHTS	Check Date:	07/08/2020 6,455.14
HEILEMAN, JAMES		Invoice Amount:	\$5,875.75
JUNE 2020 ELEC INSP PAY 101-371-818.000	JUNE 2020	Check Date:	07/08/2020 5,875.75
MUNSON, STEVE		Invoice Amount:	\$2,191.75
PLUMBING JUNE 2020 INSP 101-371-818.000	JUNE 2020	Check Date:	07/08/2020 2,191.75
PLYMOUTH POSTMASTER		Invoice Amount:	\$1,200.00
WATER BILL POSTAGE - PERMIT #218 JULY 2020 592-172-730.000	PERMIT #218 JULY 2020 POSTAGE	Check Date:	07/08/2020 1,200.00
VERIZON WIRELESS		Invoice Amount:	\$1,042.02
JULY 2020 WIRELESS BILLING ACCT #1 - 585762 592-172-853.000	DPW wireless devices	Check Date:	07/08/2020 100.34
101-201-853.000	Info services wireless devices		60.90
101-336-853.000	Fire wireless devices		141.81
101-691-853.000	Park foreman wireless device		50.29
101-253-853.000	Treasurer Wireless Service		50.90
101-305-853.000	Police Dept. wireless service		392.17
101-371-853.000	Building Dept. Wireless Services		245.61
VERIZON WIRELESS		Invoice Amount:	\$1,220.54
JULY 2020 - WIRELESS BILLING ACCT #2 MI DE 592-291-853.000	DPW	Check Date:	07/08/2020 704.37
101-201-853.000	Info services wireless devices		0.22
101-336-853.000	Fire wireless devices		200.05
101-691-853.000	Park foreman wireless device iPad		40.01
588-588-853.000	Friendship Station		82.35
101-325-853.000	Dispatch		103.85
226-226-853.000	Solid Waste - Sarah Visel		51.68
805-805-970.005	Sidewalk Inspec. I-Pad		38.01
WOW! BUSINESS		Invoice Amount:	\$11.41
POLICE DEPT. SERVICE CHGS - JULY 2020 ACCT. 101-305-921.000	POLICE DEPT. JULY 2020	Check Date:	07/08/2020 11.41
Total Amount to be Disbursed:			\$36,495.47

Charter Township of Plymouth
AP Invoice Listing - Board Report

Refunds Page 718120

VENDOR INFORMATION**INVOICE INFORMATION****Ronnish Construction Group**

BD Bond Refund BP20-0005

101-371-283.001

BP20-0005 - PB19-1264

Invoice Amount:**\$1,500.00****Check Date:****07/07/2020**

1,500.00

Ronnish Construction Group

BD Bond Refund BBD20-0004

101-371-283.010

BBD20-0004 - PB19-1264

Invoice Amount:**\$2,000.00****Check Date:****07/07/2020**

2,000.00

DW DEVELOPMENT LLC

BD Bond Refund BP19-0007

101-371-283.001

BP19-0007 - PB19-0077

Invoice Amount:**\$1,500.00****Check Date:****07/07/2020**

1,500.00

DW DEVELOPMENT LLC

BD Bond Refund BBD20-0005

101-371-283.010

BBD20-0005 - PB19-0077

Invoice Amount:**\$3,000.00****Check Date:****07/07/2020**

3,000.00

MODERN METHOD CONSTRUCTION INC

BD Bond Refund BP18-0005

101-371-283.001

BP18-0005 - PB18-0048

Invoice Amount:**\$1,500.00****Check Date:****07/07/2020**

1,500.00

MODERN METHOD CONSTRUCTION INC

BD Bond Refund BTCO20-0001

101-371-283.010

BTCO20-0001 - PB18-0048

Invoice Amount:**\$5,000.00****Check Date:****07/07/2020**

5,000.00

MODERN METHOD CONSTRUCTION INC

BD Bond Refund BP18-0056

101-371-283.001

BP18-0056 - PB18-0944

Invoice Amount:**\$1,500.00****Check Date:****07/07/2020**

1,500.00

Total Amount to be Disbursed:**\$16,000.00**

Charter Township of Plymouth
AP Invoice Listing - Board Report

Refunds 7/1/20

VENDOR INFORMATION

INVOICE INFORMATION

MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPE20-0003

Invoice Amount:

\$220.00

Check Date:

07/02/2020

220.00

St. Kenneth Church

BD Bond Refund

101-371-283.016

BE18-0001

Invoice Amount:

\$435.36

Check Date:

07/02/2020

435.36

Total Amount to be Disbursed:

\$655.36

Charter Township of Plymouth

AP Invoice Listing - Board Report

Weekly
Date: 2/20/20

VENDOR INFORMATION

INVOICE INFORMATION

ALERUS FINANCIAL

MERS-457 PLAN - ALL EMPLOYEES 7-2-2020 PAY

101-100-239.000
101-100-239.000

457 CONT. PRE-TAX
457 CONT. ROTH POST-TAX

Invoice Amount: **\$19,977.28**
Check Date: **07/01/2020**

19,655.06
322.22

ALERUS FINANCIAL

MERS - DC FT EMPLOYEES -- EMPLOYEE CONTRI

101-100-231.000
101-100-231.000

MERS EMPLOYEE PRE TAX
MERS EMPLOYEE POST TAX

Invoice Amount: **\$6,938.41**
Check Date: **07/01/2020**

6,350.11
588.30

ALERUS FINANCIAL

MERS - DC FT EMPLOYEES -- EMPLOYER CONTRI

101-171-714.010
101-201-714.010
101-215-714.010
101-253-714.010
101-265-714.010
101-305-714.010
101-305-714.030
101-325-714.050
101-336-714.010
101-336-714.020
101-371-714.010
226-226-714.010
588-588-714.010
592-172-714.010
592-291-714.000
592-291-714.040
101-262-714.000
101-325-714.010
101-100-231.000
101-100-231.000

SUPERVISOR'S OFFICE
IT DIRECTOR
CLERK'S OFFICE
TREASURER'S OFFICE
BUILDING MANAGER (HAACK)
PD DEPT. (TIDERINGTON, GORDON)
PD DEPT. - UNION
DISPATCH DEPT.
FIRE - JOWSEY
FIRE - UNION
BUILDING DEPT.
SOLID WASTE DEPT.
SENIOR TRANS
PUBLIC SERVICES
DPW - FELLRATH, HAMANN
DPW
ELECTIONS (TERRELL)
DISPATCH-RECORDS-BONADEO
RODRIGUEZ (DISPATCH) LOAN
NELSON (DPW) LOAN

Invoice Amount: **\$23,566.93**
Check Date: **07/01/2020**

999.30
577.44
1,855.67
982.56
267.12
674.40
3,092.78
2,078.04
282.96
4,960.28
1,588.39
353.88
236.36
926.16
1,010.31
2,715.00
298.69
321.60
191.47
154.52

A T & T

AT&T - TELEPHONE ALLOCATION JUNE 2020 - IP

101-201-853.000
101-209-853.000
101-371-853.000
101-336-853.000
101-305-853.000
101-171-853.000
101-253-853.000
101-215-853.000
101-371-853.500
101-325-853.000
101-265-854.000
101-691-853.000
592-172-853.000

Information Services
Assessing
Building
Fire
Police
Supervisor
Treasurer
Clerk
Community Development
Dispatch
Water/Sewer (Util)
Park
Gen Expense Tel

Invoice Amount: **\$800.04**
Check Date: **07/01/2020**

54.71
32.67
91.06
143.75
145.63
85.14
72.63
42.42
33.90
54.78
13.01
10.18
20.16

A T & T

AT&T - TELEPHONE/INTERENET ALLOCATION JU

101-201-853.000
101-209-853.000
101-371-853.000
101-336-853.000
101-305-853.000
101-171-853.000

INFORMATION SERVICES
ASSESSING
BUILDING
FIRE
POLICE
SUPERVISOR

Invoice Amount: **\$2,001.33**
Check Date: **07/01/2020**

136.86
81.72
227.79
359.59
364.29
212.97

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

101-253-853.000	TREASURER	181.69
101-215-853.000	CLERK	106.12
101-371-853.500	COMMUNITY DEVELOPMENT	84.79
101-325-853.000	DISPATCH	137.04
101-265-854.000	WATER/SEWER (UTIL)	32.54
101-691-853.000	PARK	25.49
592-172-853.000	GEN EXPENSE TEL	50.44

C.O.A.M. - PLYMOUTH TOWNSHIP

COAM UNION DUES -JULY 2020

Invoice Amount: **\$377.40**

Check Date: **07/01/2020**

101-100-232.050	Fetner, William J.	75.48
101-100-232.050	Hoffman, Marc	75.48
101-100-232.050	Krebs, Ryan	75.48
101-100-232.050	Rupard, Bryan	75.48
101-100-232.050	Coffell, Steven	75.48

CONSUMERS ENERGY

MONTHLY CHGS - JUNE 2020

Invoice Amount: **\$1,279.91**

Check Date: **07/01/2020**

101-171-921.000	Supervisor	110.42
101-201-921.000	Info Services	59.08
101-209-921.000	Assessing	31.61
101-215-921.000	Clerk	95.96
101-253-921.000	Treasurer	40.08
101-305-921.000	Police	317.11
101-325-921.000	Dispatch	66.00
101-325-921.400	Lock Up	66.00
101-336-921.000	Fire Dept	226.88
101-371-921.000	Building	69.52
101-371-921.500	Comm Devel	38.94
101-691-921.000	Park	49.08
226-226-921.000	Utilities-Solid Waste	9.15
592-444-745.000	Power & Pumping-DPW	100.08

DTE ENERGY

BASEBALL DIAMONDS MAY 2020-- 9100-157-687

Invoice Amount: **\$156.25**

Check Date: **07/01/2020**

101-691-921.000	Baseball Diamonds	156.25
-----------------	-------------------	--------

DTE ENERGY

DTE SERVICE MILLER PARK MAY 2020 - 9100-05

Invoice Amount: **\$12.63**

Check Date: **07/01/2020**

101-691-921.000	MILLER PARK ELECTRIC MAY 2020	12.63
-----------------	-------------------------------	-------

HONKE, ANITA

MEDICARE PART B - JULY 2020

Invoice Amount: **\$144.60**

Check Date: **07/01/2020**

101-336-714.000	MEDICARE PART B JULY 2020	144.60
-----------------	---------------------------	--------

KNUPP, LINDA

MEDICARE PART B JULY 2020

Invoice Amount: **\$144.60**

Check Date: **07/01/2020**

101-336-714.500	MEDICARE PART B JULY 2020	144.60
-----------------	---------------------------	--------

MAAS, CARLAS

MEDICARE PART B JULY 2020

Invoice Amount: **\$188.00**

Check Date: **07/01/2020**

101-336-714.000	MEDICARE PART B -JULY 2020	188.00
-----------------	----------------------------	--------

MICHIGAN CONFERENCE OF TEAMSTERS

HEALTH INSURANCE -JULY 2020 (DPW) (INDIVI

Invoice Amount: **\$13,569.60**

Check Date: **07/01/2020**

592-291-714.000	BARTLETT, JAMES	1,696.20
592-291-714.000	KRUEGER, RANDY	1,696.20
592-291-714.000	MELOW, STEVEN	1,696.20

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION

INVOICE INFORMATION

592-291-714.000	OVERAITIS, JOSEPH	1,696.20
592-291-714.000	SCHOLTEN, JAMES	1,696.20
592-291-714.000	THOMAS, JAMES	1,696.20
592-291-714.000	NELSON, DAVID	1,696.20
592-291-714.000	PUMPHREY, ZACHARY	1,696.20

P.O.A.M. - PLYMOUTH TOWNSHIP

POAM & DISPATCH UNION DUES -JULY 2020 (2 S

101-100-232.010	POAM Union Dues
101-100-232.040	Dispatch Union Dues

Invoice Amount:	\$2,103.90
Check Date:	07/01/2020
	1,543.08
	560.82

CHARTER TWSP OF PLYMOUTH

PLYMOUTH TOWNSHIP - WATER/SEWER JULY 2

101-171-921.000	Supervisor	35.39
101-201-921.000	Information Services	18.94
101-209-921.000	Assessors	10.13
101-215-921.000	Clerk	30.75
101-253-921.000	Treasurer	12.84
101-265-854.000	Building	57.03
101-305-921.000	Police	101.63
101-325-921.000	Communications/Dispatch	21.16
101-325-921.400	Lock Up	21.16
101-336-921.000	Fire	971.71
101-371-921.000	Building	22.28
101-371-921.500	Planning	12.48
101-691-921.000	Park	374.20
226-226-921.000	Solid Waste	2.93
592-172-921.000	Adm/Gen Expense	165.85
592-444-745.000	Power & Pumping	58.87
588-588-921.000	Friendship Station	3.64

Invoice Amount:	\$1,920.99
Check Date:	07/01/2020

TEAMSTER LOCAL # 214

TEAMSTER LOCAL #214 JULY 2020 (DETAILS AT

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

Invoice Amount:	\$520.00
Check Date:	07/01/2020

TECHNICAL, PROFESSIONAL AND OFFICE-

TPOAM UNION DUES - JULY 2020

101-100-232.060	BONADEO, KAREN E.	31.00
101-100-232.060	BONO, JENNIFER A.	15.50
101-100-232.060	DOOLEY, DEB	15.50
101-100-232.060	GORDON, CHERYL	31.00
101-100-232.060	HAACK, DAVID	31.00
101-100-232.060	JOWSEY, NANCY	31.00
101-100-232.060	KLINE, ANNE E.	31.00
101-100-232.060	LATAWIEC, KELLY	31.00
101-100-232.060	LECLAIR, DIANE L.	31.00
101-100-232.060	MACDONALD, KENNETH E.	31.00
101-100-232.060	MARTIN, CAROL R.	31.00
101-100-232.060	PALMARCHUK, CHERI	31.00
101-100-232.060	TRUESDELL, MARY ANN	15.50

Invoice Amount:	\$542.50
Check Date:	07/01/2020

Charter Township of Plymouth AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

101-100-232.060	VISEL, SARAH J.	31.00
101-100-232.060	DAN ATKINS	15.50
101-100-232.060	CAROL MACDONELL	15.50
101-100-232.060	GLENN MILLER	15.50
101-100-232.060	DEVOTO, CLAUDIA	15.50
101-100-232.060	HALSTEAD, ANNA	31.00
101-100-232.060	TERRELL, DENISA	31.00
101-100-232.060	GELETZKE, ALICE	15.50
101-100-232.060	RICHARDSON, MIKE	15.50

VERIZON WIRELESS**Invoice Amount: \$89.15**

VERIZON - CELL PHONES FOR PARK & FIRE (ACC

Check Date: 07/01/2020

101-691-853.000

PARK CELL PHONE

40.01

101-336-853.000

FIRE - (LIFEPACKS)

49.14

HOLIDAY INN EXPRESS - PLYMOUTH**Invoice Amount: \$35,619.75**

MI STC 2019 SUMMER REFUND LESS 2019 WINT

Check Date: 07/01/2020

703-100-275.001

STC 2019 SUMMER TAX REFUND

38,955.09

703-398-000.000

STC INTEREST DUE ON REFUND

1,846.89

703-100-275.001

LESS 2019 WINTER TAX DUE

(5,182.23)

Total Amount to be Disbursed:**\$109,953.27**

Charter Township of Plymouth

AP Invoice Listing - Board Report

Refund Page: 6/24/20

VENDOR INFORMATION

INVOICE INFORMATION

MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPZ18-0011

Invoice Amount:

\$247.50

Check Date:

06/24/2020
247.50
MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPE20-0002

Invoice Amount:

\$110.00

Check Date:

06/24/2020
110.00
MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPE20-0001

Invoice Amount:

\$82.50

Check Date:

06/24/2020
82.50
MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPZ20-0001

Invoice Amount:

\$275.00

Check Date:

06/24/2020
275.00
MCKENNA ASSOCIATES INC

BD Bond Refund

101-371-283.014

BPZ18-0011

Invoice Amount:

\$275.00

Check Date:

06/24/2020
275.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE19-0006

Invoice Amount:

\$1,796.00

Check Date:

06/24/2020
1,796.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE18-0021

Invoice Amount:

\$1,705.00

Check Date:

06/24/2020
1,705.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE18-0005

Invoice Amount:

\$423.50

Check Date:

06/24/2020
423.50
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE18-0006

Invoice Amount:

\$1,195.00

Check Date:

06/24/2020
1,195.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE18-0052

Invoice Amount:

\$1,440.00

Check Date:

06/24/2020
1,440.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE20-0002

Invoice Amount:

\$1,933.00

Check Date:

06/24/2020
1,933.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BPZ19-0006 - PB19-0322

Invoice Amount:

\$2,368.75

Check Date:

06/24/2020
2,368.75
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE19-0004

Invoice Amount:

\$675.00

Check Date:

06/24/2020
675.00
SPALDING DEDECKER ASSOCIATES, INC.

BD Bond Refund

101-371-283.016

BE19-0009

Invoice Amount:

\$640.00

Check Date:

06/24/2020
640.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$3,856.50
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.016	BE20-0004		3,856.50
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$2,867.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.016	BE20-0003		2,867.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$584.75
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.001	BP06-0352 - PB05-0957		584.75
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$284.25
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.001	BP06-0354 - PB05-0959		284.25
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$1,067.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.016	BE20-0001		1,067.00
SPALDING DEDECKER ASSOCIATES, INC.			Invoice Amount:	\$44.37
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.016	BE18-0024		44.37
M/I Homes of Michigan LLC			Invoice Amount:	\$1,500.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.001	BP19-0016 - PB19-0300		1,500.00
M/I Homes of Michigan LLC			Invoice Amount:	\$6,975.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.010	BBD19-0026 - PB19-0300		6,975.00
TROWBRIDGE HOMES			Invoice Amount:	\$1,000.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.001	BP09-0008 - PB08-0878		1,000.00
Schroder, Thomas			Invoice Amount:	\$1,000.00
BD Bond Refund			Check Date:	06/24/2020
	101-371-283.001	BP10-0012 - PB10-0318		1,000.00
Total Amount to be Disbursed:				\$32,345.12

Charter Township of Plymouth

AP Invoice Listing - Board Report

weckey Page 6/24/20

VENDOR INFORMATION

INVOICE INFORMATION

ALERUS FINANCIAL

MERS-457 PLAN - ALL EMPLOYEES 6-19-2020 PA

101-100-239.000

457 CONT. PRE-TAX

101-100-239.000

457 CONT. ROTH POST-TAX

Invoice Amount:

\$19,892.48

Check Date:

06/24/2020

19,528.20

364.28

ALERUS FINANCIAL

MERS - DC FT EMPLOYEES -- EMPLOYEE CONTRI

101-100-231.000

MERS EMPLOYEE PRE TAX

101-100-231.000

MERS EMPLOYEE POST TAX

Invoice Amount:

\$6,935.84

Check Date:

06/24/2020

6,347.54

588.30

ALERUS FINANCIAL

MERS - DC FT EMPLOYEES -- EMPLOYER CONTRI

101-171-714.010

SUPERVISOR'S OFFICE

101-201-714.010

IT DIRECTOR

101-215-714.010

CLERK'S OFFICE

101-253-714.010

TREASURER'S OFFICE

101-265-714.010

BUILDING MANAGER (HAACK)

101-305-714.010

PD DEPT. (TIDERINGTON, GORDON)

101-305-714.030

PD DEPT. - UNION

101-325-714.050

DISPATCH DEPT.

101-336-714.010

FIRE - JOWSEY

101-336-714.020

FIRE - UNION

101-371-714.010

BUILDING DEPT.

226-226-714.010

SOLID WASTE DEPT.

588-588-714.010

SENIOR TRANS

592-172-714.010

PUBLIC SERVICES

592-291-714.000

DPW - FELLRATH, HAMANN

592-291-714.040

DPW

101-262-714.000

ELECTIONS (TERRELL)

101-325-714.010

DISPATCH-RECORDS-BONADEO

101-100-231.000

RODRIGUEZ (DISPATCH) LOAN

Invoice Amount:

\$23,404.71

Check Date:

06/24/2020

999.30

577.44

1,855.67

982.56

267.12

674.40

3,092.78

2,078.04

282.96

4,952.58

1,588.39

353.88

236.36

926.16

1,010.31

2,715.00

298.69

321.60

191.47

A T & T

AT&T - TELEPHONE JUNE 2020

ACCT. 831-

101-325-853.400

COMM/LOCKUP PHONE

Invoice Amount:

\$966.94

Check Date:

06/24/2020

966.94

A T & T

AT&T - TELEPHONE/INTERENET ALLOCATION M

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:

\$2,361.33

Check Date:

06/24/2020

161.47

96.42

268.77

424.27

429.82

251.28

214.38

125.21

100.04

161.69

38.40

30.08

59.50

ADP INC

ADP ENTERPRISETIME & WORKFORCE NOW & P

101-290-941.000

Enterprise eTime

101-290-941.000

Workforce Now

101-290-941.000

Payroll Services

Invoice Amount:

\$4,543.34

Check Date:

06/24/2020

2,360.95

1,260.00

922.39

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION****BLUE CARE NETWORK OF MICHIGAN**

JULY 2020 - - BCN CLASSES 9 & 10 - SPREADS

101-290-714.500
101-305-714.500
101-325-714.500
101-336-714.500
592-291-714.500

GENERAL RETIREES HEALTHCARE
POLICE RETIREES HEALTHCARE
DISPATCH RETIREES HEALTHCARE
FIRE RETIREES HEALTHCARE
PUBLIC WORKS RETIREES HEALTHCARE

Invoice Amount: **\$10,881.42**
Check Date: **06/24/2020**

4,572.75
609.70
609.70
3,869.87
1,219.40

BLUE CARE NETWORK OF MICHIGAN

JULY 2020 -- COVERAGE - CLASSES 7 & 8 (SPRE

101-171-714.000
101-201-714.000
101-253-714.000
101-305-714.000
101-325-714.000
101-336-714.000
101-371-714.000
592-291-714.000
101-305-714.500
101-336-714.500
101-215-714.000
101-265-714.000
592-172-714.000
226-226-714.000
592-291-714.500
588-588-714.000
101-262-714.000

SUPERVISOR'S OFFICE
IT DEPT.
TREASURER'S DEPT.
POLICE
DISPATCH
FIRE
BUILDING
PUBLIC WORKS (FELLRATH)
POLICE - RETIREES
FIRE - RETIREES
CLERK'S OFFICE
BUILDING & GROUNDS (HAACK)
PUBLIC SERVICES
SOLID WASTE (VISEL)
PUBLIC WORKS RETIREE (WALLACE)
SENIOR TRANS (BOYCE)
ELECTIONS (TERRELL)

Invoice Amount: **\$93,227.74**
Check Date: **06/24/2020**

499.82
1,289.52
1,194.56
18,303.26
8,951.70
19,092.96
4,873.20
1,789.34
11,657.38
16,513.12
999.64
1,194.56
2,194.20
1,289.52
900.88
1,289.52
1,194.56

BLUE CROSS/BLUE SHIELD OF MICHIGAN

JULY 2020 -- RETIREE - BCBS (INVOICE, SPEADS

101-290-714.500
101-305-714.500
101-336-714.500

GENERAL RETIREES
POLICE RETIREES
FIRE RETIREES

Invoice Amount: **\$4,336.29**
Check Date: **06/24/2020**

481.81
481.81
3,372.67

COMCAST

INTERNET - JUNE 2020 -- ACCT 8529 10 216 189

101-265-854.000
588-588-921.000

Senior Ctr Internet
Senior Trans Internet

Invoice Amount: **\$177.98**
Check Date: **06/24/2020**

167.30
10.68

COMCAST

INTERNET PORT STREET - JULY 2020 -- ACCT 8

592-291-805.000

Internet - Port Street

Invoice Amount: **\$148.35**
Check Date: **06/24/2020**

148.35

COMCAST

INTERNET - JUNE 2020

ACCT 8529 10

101-336-921.000

JUNE 2020 FIRE INTERNET

Invoice Amount: **\$168.40**
Check Date: **06/24/2020**

168.40

COMCAST

INTERNET - JUNE 2020

ACCT 8529 10 216 14

101-290-941.000

JUNE 2020 INTERNET (GEN)

Invoice Amount: **\$168.35**
Check Date: **06/24/2020**

168.35

COMCAST

INTERNET - JULY 2020

XFINITY ACCT 8529 1

101-290-941.000

JULY 2020 INTERNET

Invoice Amount: **\$62.03**
Check Date: **06/24/2020**

62.03

CONSUMERS ENERGY

MONTHLY CHGS - MAY 2020 SERVICE @ 47755

Invoice Amount: **\$29.09**
Check Date: **06/24/2020**

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION**

592-444-745.000 ACCT #1000-6777-1970-- 47755 5MILE ROAD 29.09

CONSUMERS ENERGY

Invoice Amount: **\$244.87**

MONTHLY CHARGES - JUNE 2020 (DETAILS BELO

Check Date: **06/24/2020**

101-265-854.000	TOWNSHIP HALL - 1000 257103478	46.16
588-588-921.000	FRIENDSHIP STATION 1000 2571-3478	2.95
101-691-921.000	TWP. PARK 1000 257103262	33.71
101-336-921.000	FIRE STATION #2 - 1000 2571-3403	162.05

CONSUMERS ENERGY

Invoice Amount: **\$159.43**

MONTHLY CHGS - JULY 2020 DPW ONLY

Check Date: **06/24/2020**

592-172-921.000	DPW-ACCT. # 1000-2645-6283	141.73
592-172-921.000	DPW - ACCT. 3 1000-2645-6408	17.70

MICH MUN RISK MGT AUTHORITY ECP

Invoice Amount: **\$10,101.33**

ELECTRIC CHOICE - MAY 2020

Check Date: **06/24/2020**

101-336-921.000	Electric Choice	1,603.04
592-172-921.000	Electric Choice	744.31
101-171-921.000	Electric Choice	636.29
101-201-921.000	Electric Choice	340.47
101-209-921.000	Electric Choice	182.14
101-215-921.000	Electric Choice	552.96
101-253-921.000	Electric Choice	230.95
101-305-921.000	Electric Choice	1,827.33
101-325-921.000	Electric Choice	380.35
101-325-921.400	Electric Choice	380.35
101-336-921.000	Electric Choice	269.04
101-371-921.000	Electric Choice	400.58
101-371-921.500	Electric Choice	224.40
592-172-921.000	Electric Choice	527.36
592-172-921.000	Electric Choice	896.31
101-336-921.000	Electric Choice	542.86
101-691-921.000	Electric Choice	249.79
101-265-921.000	Electric Choice	106.03
588-588-921.000	Electric Choice	6.77

DTE ENERGY

Invoice Amount: **\$40.62**

FS # 2 SERVICE- JUNE 2020- 9200-013-7823-0 -

Check Date: **06/24/2020**

101-336-921.000	FS #2 ELECTRIC SERVICE APRIL 2020	40.62
-----------------	-----------------------------------	-------

I.A.F.F. - LOCAL 1496

Invoice Amount: **\$2,340.00**

IAFF DUES-JUNE 2020 (DETAIL ATTACHED)

Check Date: **06/24/2020**

101-100-232.020	JUNE 2020 UNION DUES	2,340.00
-----------------	----------------------	----------

I.A.F.F. - LOCAL 1496

Invoice Amount: **\$3,540.00**

IAFF UNION DUES - SEPTEMBER 2019 (LATE PAY

Check Date: **06/24/2020**

101-100-232.020	SEPTEMBER 2019 UNION DUES	3,540.00
-----------------	---------------------------	----------

M E R S

Invoice Amount: **\$115,401.39**

MERS - JUNE 2020 EMPLOYEE AND EMPLOYER

Check Date: **06/24/2020**

101-100-231.030	COAM - Employee Contrib.	2,774.09
101-100-231.030	POAM - Employee Cont.	10,020.12
101-100-231.020	FIRE - Employee Contrib.	8,876.85
101-100-231.050	DISPATCH - Employee Contrib	3,072.96
101-305-714.030	COAM - Employer Contrib	14,421.37
101-305-714.030	POAM - EMPLOYER CONTRIB	26,455.00
101-336-714.020	FIRE - Employer Contrib	41,720.00
101-325-714.050	DISPATCH - Employer Contrib	8,061.00

Charter Township of Plymouth

AP Invoice Listing - Board Report

VENDOR INFORMATION**INVOICE INFORMATION****JOHN HANCOCK LIFE INSURANCE CO.**

MONTHLY PREMIUM-JUNE 2020 - JOWSEY

101-100-237.000

Invoice Amount:**\$64.40****Check Date:****06/24/2020**

MONTHLY PREMIUM-JOWSEY, RICHARD- 6-20

64.40

MICHIGAN CONFERENCE OF TEAMSTERS

HEALTH INSURANCE -MAY AND JUNE 2020 (DP

592-291-714.000

592-291-714.000

592-291-714.000

Invoice Amount:**\$30,676.45****Check Date:****06/24/2020**

MAY 2020 (DETAILS ATTACHED)

16,962.00

JUNE 2020 (DETAILS ATTACHED)

13,569.60

LATE FEE FOR MAY

144.85

Great Lakes Water Authority

GLWA - MARCH AND APRIL 2020 WATER USAGE

592-441-741.000

Invoice Amount:**\$336,836.46****Check Date:****06/24/2020**

GLWA - MARCH 2020 WATER USAGE

336,836.46

Great Lakes Water Authority

GLWA - MARCH AND APRIL 2020 WATER USAGE

592-441-741.000

Invoice Amount:**\$326,632.08****Check Date:****06/24/2020**

GLWA - APRIL 2020 WATER USAGE

326,632.08

Total Amount to be Disbursed:**\$993,341.32**



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Notice of Public Hearing: Application #2360-0520 Parcel ID: 78-029-99-00002-000

PRESENTER: Clerk Vorva

BACKGROUND: Notice of Public Hearing was published in the Paper of Record for consideration of a Brownfield Plan for the property at 41661 Plymouth Road.

ACTION REQUESTED: Hold Public Hearing

PROPOSED MOTION : Move to open Public Hearing at _____ by _____
Second by _____.

Move to close Public Hearing at _____ by _____ Second by _____.

Roll Call Vote: OPEN

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

Roll Call Vote: CLOSE

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

Notice of Public Hearing

CHARTER TOWNSHIP OF PLYMOUTH, WAYNE COUNTY, MICHIGAN BOARD OF TRUSTEES

PROPOSED ACTION: Consideration of a Brownfield Plan for the property at 41661 Plymouth Road, Charter Township of Plymouth, Wayne County, Michigan

APPLICATION NO.: #2360-0520

DATE OF HEARING: Tuesday, July 14, 2020 (Board of Trustees Meeting)

TIME OF HEARING: 7:00 P.M. (Eastern Daylight time)

PLACE OF HEARING: Plymouth Township Hall, 9955 N. Haggerty Road, Plymouth Township, MI 48170

NOTICE IS HEREBY GIVEN that the Board of Trustees of the Charter Township of Plymouth will hold a Public Hearing on July 14, 2020 at 7:00 P.M., to receive public comment on the consideration of a Brownfield Plan for the property located at 41661 Plymouth Road, Charter Township of Plymouth, Wayne County, Michigan (formerly known as the Courthouse Grille site), as proposed by Jonna Properties, LLC.

This notice serves as your official notification as a taxing jurisdiction that levies taxes subject to capture under Act 381, P.A. 1996 of the intent of this property owner. Act 381 provides for the capture of the increased taxes due to investments made on contaminated, blight, functional obsolete or historically designated properties, or brownfields, to reimburse certain Eligible Activities with the approval of a Brownfield Plan by the Charter Township of Plymouth Brownfield Redevelopment Authority (BRA) and the Board of Trustees.

The subject site is zoned the C-2, General Commercial District and is currently under review by the Township for approval of a Planned Unit Development (PUD). The PUD would permit two, five-story residential buildings (with a first-floor parking garage), for a total of 88 residential units. Final approval for the PUD has not been granted by the Township; the applicant (Jonna Properties, LLC.) requested a PUD extension in February of 2020 to pursue the subject Brownfield Plan. The following legal parcel is included in the "eligible property":

Parcel ID: R-78-029-99-0002-000

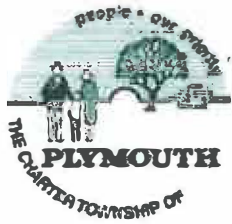
The property consists of one parcel of land occupying approximately 3.06 acres and is bound by the following roads: Haggerty Road, Plymouth Road, and Edward Hines Drive. The total cost *proposed to be reimbursed* to the Developer is \$1,840,178. *Proposed brownfield activities* include:

- Phase I, II and baseline environmental assessments;
- Excavation, treatment, transportation and/or disposal of contaminated soil;
- Specialized foundations; and
- Preparation of the Brownfield Plan and 381 Work Plan.

NOTICE IS FURTHER GIVEN that persons interested may attend the public hearing and/or send correspondence regarding the application to Plymouth Township Hall, attn.: Clerk Jerry Vorva. Pertinent information relative to the application and a copy of the Plan, which includes a site map and legal description of the parcel, is on file at the Plymouth Township Public Services Department (second floor counter) and may be viewed during regular business hours from 8:00 A.M. to 4:30 P.M. All aspects of the Plan are open for discussion at the public hearing.

The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services to individuals with disabilities at the public hearing upon one week's advance notice by writing or calling the Supervisor's Office, 9955 N. Haggerty Road, Plymouth Township, MI 48170; (734) 354-3201.





CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Request to Consider Approval of a Brownfield Plan for Hillside Residences
#2020-07-14-63

PRESENTER: Jeremy Schrot, PE, Township Engineer, Spalding DeDecker
Laura Haw, AICP, NCI, Township Planner, McKenna
Representatives from Jonna Properties and Renovare Development
(applicant)

BACKGROUND:

The applicant, Jonna Properties, LLC, is requesting a Brownfield Plan for Hillside Residences at 41661 Plymouth Road. The subject property (parcel ID: R-78-029-99-0002-000) is approximately three (3) acres in size, is zoned the C-2, General Commercial district, and contains the former Courthouse Grille and associated parking lot.

The proposed development is a Planned Unit Development (PUD) to construct two, five-story residential structures with covered parking located on the first floor of each structure. A total of 88 residential units are proposed. Final approval for the PUD has not been granted, the applicant requested a PUD extension in February of 2020 to pursue the subject Brownfield Plan.

The proposed capital investment for the site is approximately \$17,500,000.

BROWNFIELD REQUEST

Renovare Development, on behalf of Jonna Properties, is requesting Township consideration for a Brownfield Plan for environmental remediation and site clean-up. As documented in the Brownfield Plan dated May 20, 2020, revised July 1, 2020, under "II. General Provisions", the applicant states the site qualifies as a "facility" due to the presence of several hazardous substances in the soil, at concentrations above the EGLE (Michigan Department of Environment, Great Lakes and Energy).

Specifically, "Section B. Basis of Eligibility" of the Plan states that a geotechnical report from February 2019 identified the presence of fill materials, including wood, glass, and other debris, noting the existing soils are not suitable for support of the proposed building foundations.

The proposed brownfield activities include:

- Phase I and II and Baseline environmental assessments;
- Excavation, treatment, transportation and/or disposal of contaminated soil;

- Construction of specialized foundations; and
- Preparation of the Brownfield Plan and 381 Work Plan.

When the Township was first approached with the subject Brownfield Plan, the applicant originally listed \$2.9 million as needed for site clean-up. After multiple reviews by the Township Engineer, this figure was modified to \$1,840,178 including some remaining ineligible expenses, which was then presented to the Brownfield Authority on June 8, 2020. Both the Brownfield Authority and the Township Engineer expressed concern over the cost estimates at this meeting based on the remaining ineligible expenses; the resulting Brownfield Authority recommendation to the Board of Trustees was contingent that the final figures be further evaluated. Township consultants then met with the applicant on June 17, 2020 to review the numbers and make adjustments, which now are presented in the Brownfield Plan (dated May 20, 2020, revised July 1, 2020).

A full breakdown of the eligible activities and associated costs are detailed in the Brownfield Plan, Attachment E. The final, total cost proposed to be reimbursed to the Developer is \$1,440,296. Attachment E in the report further separates the normal costs and the specific project costs for this proposal – the difference being the requested \$1,440,296.

Township Attorney Kevin Bennett also reviewed the draft Brownfield Plan for compliance with Public Act 381 of 1996, the Brownfield Redevelopment Financing Act, MCL 125.2651 et seq. and supplied comments to the applicant, which have since be incorporated into the revised Plan. Additional comments for the Board's consideration are the following from Attorney Bennett:

- The proposed Plan references a "Reimbursement Agreement" that will be signed. This comment is for informational purposes only.
- In Section E, the fourth paragraph provides that "(i)nterest shall be paid under this plan". Under Section 13b(11) of the Act, payment of interest is discretionary rather than mandatory. This is a policy consideration for the Brownfield Authority.

ACTION REQUESTED:

The Township's Brownfield Redevelopment Master Plan was created to promote public health, safety and welfare regarding the proper re-use of land and natural resources in the community. The subject PUD redevelopment has been supported thus far by the Township and the redevelopment of this site into a quality community asset is of importance.

At the June 8, 2020, the Brownfield Redevelopment Authority (BRA) recommended the Board of Trustees consider the proposed Brownfield Plan, with conditions. The applicant has since worked with the Township Engineer to revise project costs to match eligible expenses proposed within the property.

PROPOSED MOTION:

I move to adopt Resolution #2020-07-14-63 authorizing Brownfield Plan approval for application #2360-0520 for Hillside Residences.

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 THE BROWNFIELD PLAN FOR
HILLSIDE RESIDENCES**

RESOLUTION #2020-07-14-63

At a regular meeting of the Charter Township of Plymouth Board of Trustees (the ‘board’), held at Township Hall, 9955 N. Haggerty Road, Plymouth, Michigan on July 14, 2020, the following resolution was offered:

WHEREAS, the applicant of 41661 Plymouth Road (parcel ID: R-78-029-99-0002-000), Jonna Properties, LLC, has requested Brownfield Plan for Township review and consideration, as documented in their letter to the Township; and,

WHEREAS, the Public Act 381 of 1996, as amended, (“the Act”) provides that an authority may establish a local site remediation revolving fund to pay the costs of eligible activities on eligible property that is located within a zone of an authority established by the municipality; and,

WHEREAS, Eligible activities as is defined in Section 2 of the Act as including “Either baseline environmental assessment activities, due care activities, or additional response activities”; and,

WHEREAS, Section 2 of the Act provides that eligible activity includes one or more of the following: (1) baseline environmental assessment activities, (2) due care activities, (3) response activities. The attached Brownfield Plan proposes to utilize Local Site Remediation Revolving Funds to pay for any remediation (eligible activities) found necessary as a result of the Brownfield Plan report (Renovare Development report, dated May 20, 2020, revised July 1, 2020), all as part of the Brownfield; and,

WHEREAS, The Brownfield Plan complies with Section 13 of the Act notice provisions and that the Plan constitutes a public purpose; and,

WHEREAS, Pertinent to the requirements of a Brownfield Plan itself, the Plan (see Renovare Development report dated May 20, 2020, revised July 1, 2020) must answer all of the questions posed in Section 13, those being: 1) that the particular plan involving the subject property involves one parcel of eligible property and a facility, (a) a description of the costs of the plan intended to be paid, (b) a brief summary of the eligible activities that are proposed for each eligible property, (c) an estimate of the captured taxable value, (d) the method by which the

cost of the plan will be financed, including a description of any advances made or anticipated to be made for the costs of the plan from the municipality, (e) the maximum amount of note or bonded indebtedness to be incurred, (f) the proposed beginning date and duration of capture of tax increment revenues for each eligible property, (g) an estimate of the impact of tax increment financing on the revenues of all taxing jurisdictions in which the eligible property is located, (h) a legal description of each parcel of eligible property, and a statement of whether personal property is included as part of the eligible property, (i) estimates of the number of persons residing on the property – not applicable, (j) a plan for relocation of such persons – not applicable, (k) reasons for the costs of relocating persons – not applicable, (l) a strategy for compliance with Public Act 227, MCL 213.321 to 213.332, (m) other pertinent material. 2) The percentage of school operating tax increment revenues captured relating to a parcel of eligible property under a brownfield plan shall not be greater than the percentage of local tax increment revenues that are captured under the brownfield plan relating to that parcel of eligible property 3) Except as provided in section 13(5), and sections 8, 13b(4) and (5), and 13c(12) of the Act, tax increment revenues related to a brownfield plan shall be used only for 1 or more of the following: (a) Costs of eligible activities attributable to the eligible property that produces the tax increment revenues, (b) Eligible activities attributable to any eligible property for property that is owned by or under the control of a land bank fast track authority or a qualified local unit of government. 4) A brownfield plan shall not authorize the capture of tax increment revenue from eligible property after the year in which the total amount of tax increment revenues captured is equal to the sum of the costs permitted to be funded with tax increment revenues under this act or 30 years from the beginning date of the capture of the tax increment revenues for that eligible property, whichever occurs first, except that a brownfield plan may authorize the capture of additional local and school operating tax increment revenue from an eligible property if 1 or more of the following apply: (a) During the time of capture described in this subsection for the purpose of paying the costs permitted under subsection (4) or section 13b(4), (b) For not more than 5 years after the date specified in subdivision (a), for payment to the local brownfield revolving fund created under section 8; and,

WHEREAS, the Brownfield Plan itself must contain or be determined as follows:

1. The Plan constitutes a public purpose.
2. The Plan meets the requirements of Section 13 and 13b of the Act.
3. The proposed method of financing the costs of eligible activities is feasible and the authority has the ability to arrange the financing.
4. Whether the costs of eligible activities are reasonable and necessary to carry out the purposes of the Act.
5. The amount of captured taxable value estimated to result from adoption of the plan is reasonable; and,

WHEREAS, The Charter Township of Plymouth Brownfield Redevelopment Authority, having conducted a review at a Brownfield Board meeting held on Monday, June 8, 2020, at

4:30pm, recommended approval of the Brownfield Plan, with conditions, to the Board of Trustees; and,

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution #2020-07-14-63 authorizing the request from Jonna Properties, LLC for the Brownfield Plan in accordance with the scope of work itemized in the Brownfield Plan, dated May 20, 2020, revised July 1, 2020, application #2360-0520, Hillside Residences.

Motion By: _____ **Seconded By:** _____

Roll Call:

___Heise ___ Heitman ___ Vorva ___ Clinton ___ Curmi ___ Dempsey ___ Doroshewitz

MOTION CARRIED _____

MOTION DEFEATED _____

Adopted: Regular Meeting of the Board of Trustees on _____

Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution: 2020-_____

CHARTER TOWNSHIP OF PLYMOUTH
BROWNFIELD REDEVELOPMENT AUTHORITY

BROWNFIELD PLAN FOR THE
HILLSIDE RESIDENCES
REDEVELOPMENT PROJECT

Prepared by:

Renovare Development
42 Watson, Suite B
Detroit, MI 48201
Contact Person: Jill Ferrari
Phone: 313-348-7236

May 20, 2020
REVISED 7-1-2020

**CHARTER TOWNSHIP OF PLYMOUTH
BROWNFIELD REDEVELOPMENT AUTHORITY
BROWNFIELD PLAN**

TABLE OF CONTENTS

I.	INTRODUCTION	I-1
II.	GENERAL PROVISIONS	
	A. Description of Eligible Property	II-1
	B. Basis of Eligibility	II-3
	C. Summary of Eligible Activities	II-4
	D. Estimate of Captured Taxable Value and Tax Increment Revenues; Impact of Tax Increment Financing on Taxing Jurisdictions	II-6
	E. Plan of Financing; Maximum Amount Of Indebtedness	II-7
	F. Duration of Plan	II-8
	G. Effective Date of Inclusion	II-8
	H. Displacement/Relocation of Individuals On Eligible Property	II-9
	I. Local Brownfield Revolving Fund (LBRF)	II-9
	J. Brownfield Redevelopment Fund	II-9
	K. Developer's Obligations, Representations and Warrants	II-9
III.	ATTACHMENTS	
	A. Site Map	A-1
	B. Legal Description(s)	B-1
	C. Project Description	C-1

D. Supportive Letters	D-1
E. Estimated Cost of Eligible Activities	E-1
F. TIF Tables	F-1
G. Environmental Documents	G-1

I. INTRODUCTION

In order to promote the revitalization of environmentally distressed and blighted areas within the boundaries of the Charter Township of Plymouth, Michigan (the "Township"), the Township has established the Plymouth Township Brownfield Redevelopment Authority (the "BRA") pursuant to Michigan Public Act 381 of 1996, as amended ("Act 381").

The primary purpose of this Brownfield Plan ("Plan") is to promote the redevelopment of and private investment in certain "brownfield" properties within the Township. Inclusion of property within this Plan will facilitate financing of environmental response and other eligible activities at eligible properties, and will also provide tax incentives to eligible taxpayers willing to invest in revitalization of eligible sites, commonly referred to as "brownfields." By facilitating redevelopment of brownfield properties, this Plan is intended to promote economic growth for the benefit of the residents of the Township and all taxing units located within and benefited by the BRA.

This Plan is intended to apply to the eligible property identified in this Plan and, if tax increment revenues are proposed to be captured from that eligible property, to identify and authorize the eligible activities to be funded by such tax increment revenues.

This Plan is intended to be a living document, which may be modified or amended in accordance with the requirements of Act 381, as necessary to achieve the purposes of Act 381. A subsequent change to the identification or designation of developer after the approval of this Plan by the governing body shall not necessitate an amendment to the Plan, affect the application of this Plan to the eligible property or impair the rights available to the BRA under this Plan. The applicable sections of Act 381 are noted throughout the Plan for reference purposes.

This Plan describes the project to be completed (see Attachment C) and contains all of the information required by Section 13(2) of Act 381.

II. GENERAL PROVISIONS

A. Description of the Eligible Property (Section 13 (2)(h)) and the Project

The property comprising the eligible property consists of one (1) parcel. The eligible property, commonly known as Hillside, is a “facility” as described below. The parcels and all tangible personal property located thereon will comprise the eligible property and is collectively referred to herein as the “Property.”

Eligibility:

The site qualifies as a “facility” as defined by Part 201 of the Natural Resources and Environmental Protection Act. Subsurface investigations conducted by Applied Environmental in 2019, prior to the execution of the current land contract, revealed the presence of several hazardous substances in soil at concentrations above the EGLE Part 201 Generic Residential Cleanup Criteria (GRCC). Further details on specific site contaminants is also included in Section B.

A “facility” is defined as any area, place, parcel or parcels of property, or portion of a parcel of property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. A Baseline Environmental Assessment has been filed with EGLE and is included in Attachment G.

Site Description:

Attachment A includes a site map of the Property. The Property is located in northeast Plymouth Charter township, bounded by Plymouth Road to the north, Edward N. Hynes Drive to the west, Woods Drive to the south, and Riverside Cemetery drive to the east.

The proposed site is located at the southwest corner of Plymouth Drive and Riverside Cemetery Road in Plymouth, Michigan. The property is currently The Courthouse Grill, 41661 Plymouth Road, consisting of an existing building in the center of the property surrounded by bituminous pavements. The building is a single-story structure with a walk-out basement to the west side of the structure.

Existing grades at the east side of the property slope downward to the southwest, ranging between 713 to 705 feet. A concrete slope is present south of the building which divides the site in two separate elevations. The west side of the property slopes downward to the west with elevations ranging from approximately 702 to 694 feet. A densely wooded steep downward slope is present along the south and east sides of the property. A sewer line extends through the west parking lot and overhead power lines extend through the east parking lot.

A court building is present east of the property, residential buildings are present north of the property, and a cemetery is present south of the property.

Parcel information is outlined below.

Address	41661 Plymouth Road, Plymouth, MI 48170
Parcel ID	R-78-029-99-0002-000
Owner	Hillside Inn
Legal Description	26B1 THAT PART OF THE NE 1/4 OF SEC 26 DESC AS BEGINNING AT A PTE ON TH CL OF PLYMOUTH RD DIST N 73D 17M 40S W 262.43FT AND N 72D 29M 20S W 277.48FT FROM THE INTERSECTION OF SAID CL WITH THE E LINE OF SEC 26 AND PROCEEDING TH N 72D 29M 20S W ALONG SAID CL 479.85FT TH S 22D 19M 30S W 159.71FT TH S 49D 27M 20S E 558.64FT TH N 14D 30M 10S E 298.26FT TH N 72D 29M 20S W 1.0FT TH N 14D 30M 10S E 80.0 FT TO THE POB 3.06 AC K2.70.

The proposed development is a multi-family residential complex with two 5-story residential buildings with first floor parking garages. The project consists of mass grading, underground detention installation and constructing the two-buildings and patio areas. The final project will house 88 units. The floor plans range from 695 to 878 square feet for one-bedroom units and 1,040 to 1,149 square feet for two-bedroom units. Residents will have access to amenities, including a fitness center, indoor community gathering space, an outdoor terrace, car-charging ports, and covered parking. The aesthetic of the building will be contemporary, while integrating Plymouth Township's historical feel.

The 3.06-acre site is well positioned within Plymouth Township, MI and is in close proximity to shops and businesses in Old Village and Downtown Plymouth, as well as major highways, regional employment centers and schools. Further, it is situated in an appropriate location to service the unmet rental housing needs of the local market.

The project description provided herein is a summary of the proposed development at the time of the adoption of the Plan. The actual development may vary from the project description provided herein, without necessitating an amendment to this Plan, so long as such variations are not material and arise as a result of changes in market and/or financing conditions affecting the project and/or are related to the addition or immaterial removal of amenities to the project. All material changes, as determined by BRA in its sole discretion, to the project description are subject to the approval of the BRA staff and shall be consistent with the overall nature of the proposed development, its proposed public purpose, and the purposes of Act 381.

Attachment C provides a description of the project to be completed at the Property (the "Project") and Attachment D includes letters of support for the Project.

B. Basis of Eligibility (Section 13 (2)(h) and Section 2 (p))

The Property is considered “eligible property” as defined by Act 381, Section 2 because (a) the Property was previously utilized or is currently utilized for a commercial purpose; and (b) it is a “facility” as defined by Act 381 and Part 201 of Act 451 of 1994.

Description of Facility Status:

A geotechnical investigation was completed by G2 Consulting on February 28, 2019. The geotechnical report identified the presence of fill materials including wood, glass and other debris on the site. The report noted that the existing fill soils are not suitable for support of the proposed building foundations, and recommended the proposed building be supported on a deep foundation system extending through the existing fill soils and bearing within the underlying native soils. The report indicates that an unidentified hydrocarbon odor was encountered within multiple soil borings indicating the presence of possible subsurface contamination. More information can be found in the full Geotechnical Investigation report included in Attachment G.

A Phase I Environmental Site Assessment (ESA) was conducted by Applied Environmental for the subject property, report dated July 19, 2019. The Phase I ESA was performed in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice E1527-13.

Based on the Phase I ESA scope of work, including the historical research, regulatory database search, site reconnaissance, and interviews conducted, the evidence revealed the following recognized environmental condition (REC) in connection with the subject property:

“According to a geotechnical investigation report generated for the subject property report date February 28, 2019, soils consisting of medium to stiff sandy clay and clayey silt with wood, metal, and miscellaneous debris underlay the pavement at the B-1 – B-10 geotechnical boring locations. An unidentified hydrocarbon odor was encountered at the B-2 and B-3 locations. Based on the hydrocarbon odors detected at B-2 and B-3, the potential exists that soil and/or groundwater at the site has been impacted as a result of the unidentified fill material. The unidentified fill material and the hydrocarbon odors detected in onsite soils are a REC.”

Subsequent subsurface investigations conducted by Applied Environmental revealed the presence of several hazardous substances in soil at concentrations above the EGLE Part 201 Generic Residential Cleanup Criteria (GRCC). Chemicals including Arsenic, Benzo(a)anthracene, Benzo(b)fluoranthene, and 1,2,4-Trimethylbenzene, were identified with concentrations exceeding one or more of the EGLE Part 201 GRCC, revised December 30, 2013, which designates the subject property a “facility” as defined in Part 201 of Michigan Public Act 451 of 1994, as amended. A Baseline Environmental Assessment (BEA) has been filed with EGLE and is included in Attachment G along with a detailed list of all analytical results of the subsurface investigation.

C. Summary of Eligible Activities and Description of Costs (Section 13 (2)(a),(b))

The “eligible activities” that are intended to be carried out at the Property are considered “eligible activities” as defined by Section 2 of Act 381, because they include: the preparation of Phase I, Phase II and Baseline Environmental Assessments; the excavation, treatment, transportation, and/or disposal of contaminated soil; construction of specialized foundations and preparation of the brownfield plan and 381 work plan.

Phase I, Phase II and Baseline Environmental Assessments

Preparation of these reports was completed as part of All Appropriate Inquiry (AAI) standards for a land transfer, purchase, acquisition, occupancy, renovation, or redevelopment. Therefore, the preparation of these reports and all costs associated with preparation are an eligible activity.

Excavation, treatment, transportation, and/or disposal of contaminated soil

Site activities include excavating approximately twenty-four thousand (24,000) cubic yards of soil to connect the property to the sanitary sewer main. Based on site subsurface investigations, it is anticipated that contaminated soils will be present and will need to be characterized appropriately for disposal, increasing excavation and removal costs significantly. The excavation and removal of clean costs is estimated at \$12 per cubic yard. The excavation and removal of contaminated soils is estimated at \$50 per cubic yard. The *difference in cost* (\$38 per cubic yard) between the excavation and removal of clean soils and the excavation and removal of contaminated soils is included as an eligible activity.

Specialized Foundations

The geotechnical report identified the presence of fill materials including wood, glass and other debris on the site. The report noted that the existing fill soils are not suitable for support of the proposed building foundations, and recommended the proposed building be supported on a deep foundation system extending through the existing fill soils and bearing within the underlying native soils. The costs for these foundations is included as an eligible activity, as well as the excavation and proper disposal of spoils from the installation.

Preparation of the Brownfield Plan and 381 Work Plan

A Brownfield Plan and Work Plan have been prepared in accordance with Act 381. The reasonable costs associated with the preparation of these plans and representation and public meetings has been included as an eligible activity. Such reasonable costs shall not exceed the limits listed in Section 13b of Act 381

A summary of the eligible activities and the estimated cost of each eligible activity intended to be paid for with Tax Incremental Revenues from the Property are shown in the table attached hereto as Attachment E. The eligible activities described in Attachment E are not exhaustive. Subject to the approval of BRA staff in writing, additional eligible activities may be carried out at the Property, without requiring an amendment to this Plan, so long as such eligible activities are permitted by Act 381 and the performance of such eligible activities does not exceed the total costs stated in Attachment E.

Unless otherwise agreed to in writing by the BRA, all eligible activities shall commence within eighteen (18) months after the date the governing body approves this Plan and be completed within three (3) years after approval of the Michigan Department of Environment, Great Lakes, and Energy ("EGLE") work plan, if applicable, or three (3) years after execution of the Reimbursement Agreement (as that term is defined below). Any long-term monitoring or operation and maintenance activities or obligations that may be required will be performed in compliance with the terms of this Plan and any documents prepared pursuant to this Plan.

The Developer desires to be reimbursed for the costs of eligible activities. Tax increment revenue generated by the Property will be captured by the BRA and used to reimburse the cost of the eligible activities completed on the Property pursuant to the terms of a Reimbursement Agreement to be executed by the BRA and the Developer after approval of this Plan (the "Reimbursement Agreement"), to the extent permitted by Act 381. In the event this Plan contemplates the capture of tax increment revenue derived from "taxes levied for school operating purposes" (as defined by Section 2(uu) of Act 381 and hereinafter referred to as "School Taxes"), the Developer acknowledges and agrees that BRA's obligation to reimburse the Developer for the cost of eligible activities with tax increment revenue derived from Local Taxes, or Specific Taxes that are considered Local Taxes, (as these capitalized terms are defined by Act 381) is contingent upon: (i) the Developer receiving at least the initial applicable work plan approval by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), as may be required pursuant to Act 381, or (ii) the Developer providing the BRA with evidence, satisfactory to BRA, that the Developer has the financial means to complete the project without the capture of, and subsequent reimbursement with, the contemplated School Taxes.

The costs listed in Attachment E are estimated costs and may increase or decrease depending on the nature and extent of environmental contamination and other unknown conditions encountered on the Property. The actual cost of those eligible activities encompassed by this Plan that will qualify for reimbursement from tax increment revenues of the BRA from the Property shall be governed by the terms of the Reimbursement Agreement. No costs of eligible activities will be qualified for reimbursement except to the extent permitted in accordance with the terms and conditions of the Reimbursement Agreement and Act 381. The Reimbursement Agreement and this Plan will dictate the total cost of eligible activities subject to payment or reimbursement, provided that the total cost of eligible activities subject to payment or reimbursement under the Reimbursement Agreement shall not exceed the estimated costs set forth in Attachment E. As long as the total costs are not exceeded, line item costs of eligible activities may be adjusted after the date this Plan is approved by the governing body, to the extent the adjustments do not violate the terms of the approved EGLE or MSF work plan.

**D. Estimate of Captured Taxable Value and Tax Increment Revenues (Section 13(2)(c));
Beginning Date of Capture of Tax Increment Revenues (Section (13)(2)(f); Impact of Tax
Increment Financing on Taxing Jurisdictions (Section 13(2)(g))**

This Plan anticipates the capture of tax increment revenues to reimburse the Developer for the costs of eligible activities under this Plan in accordance with the Reimbursement Agreement. Subject to Section 13(b)(16) of Act 381, a table of estimated tax increment revenues to be captured is attached to this Plan as Attachment F.

Tax increments are projected to be captured and applied to (i) reimbursement of eligible activity costs and payment of BRA administrative and operating expenses, (ii) make deposits into the State Brownfield Redevelopment Fund, and (iii) make deposits into the BRA's Local Brownfield Revolving Fund, as follows:

		<u>Reimbursement</u>	<u>Administrative</u>	<u>State</u>	<u>Local</u>
<u>Hillside</u>		<u>Costs</u>	<u>Costs</u>	<u>Brownfield</u>	<u>Revolving Fund</u>
				<u>Fund</u>	
TOTAL STATE	%	\$704,221.76	\$0.00	\$99,626.49	
State Education Tax	0.25	\$176,055.44		\$24,906.62	
School Operating Tax	0.75	\$528,166.32		\$74,719.87	
TOTAL LOCAL	%	\$736,074.24	\$43,324.22	\$0.00	\$318,103.91
Schoolcraft Community College	0.11	\$81,808.79	\$4,815.14		\$35,354.72
RESA Spec Ed	0.15	\$109,505.42	\$6,445.32		\$47,324.17
RESA Gen Oper	0.00	\$3,137.74	\$184.68		\$1,356.01
RESA Enhance	0.09	\$65,030.83	\$3,827.62		\$28,103.91
Wayne County	0.29	\$215,837.33	\$12,703.86		\$93,276.87
Township	0.04	\$26,448.04	\$1,556.69		\$11,429.86
Township Police/Fire 1	0.07	\$52,909.09	\$3,114.15		\$22,865.34
Township Police/Fire 2	0.02	\$18,221.64	\$1,072.50		\$7,874.71
Township Police/Fire 3	0.05	\$38,924.20	\$2,291.02		\$16,821.59
Township Fire	0.04	\$32,200.02	\$1,895.24		\$13,915.65
Wayne County Jail	0.04	\$30,502.71	\$1,795.34		\$13,182.14
Wayne County Parks	0.01	\$7,995.54	\$470.61		\$3,455.38
Huron Clinton Metro Parks	0.01	\$6,883.51	\$405.15		\$2,974.80
Plymouth District Library	0.06	\$46,669.38	\$2,746.89		\$20,168.77

Exhibit A
Hillside Residences
Brownfield Redevelopment Plan

In addition, the following taxes are projected to be generated but shall not be captured during the life of this Plan:

<u>Non-Capturable Millages</u>	<u>Millage Rate</u>	<u>Amount</u>
Plymouth Canton School debt	4.0200	\$ 280,070
Wayne County Zoo Authority	0.1000	\$ 6,967
DIA	0.2000	\$ 13,934
Total Non-Capturable Taxes	4.3200	\$ 300,971

In no event shall the duration of this Plan exceed thirty-five (35) years following the date of the governing body's resolution approving this Plan, nor shall the duration of the tax capture exceed the lesser of the period authorized under subsection (5) of Section 13 of Act 381 or 30 years. Further, in no event shall the beginning date of the capture of tax increment revenues be later than five (5) years after the date of the governing body's resolution approving this Plan.

E. Plan of Financing (Section 13(2)(d)); Maximum Amount of Indebtedness (Section 13(2)(e))

The eligible activities are to be financed solely by the Developer. The BRA will reimburse the Developer for the cost of approved eligible activities, but only from tax increment revenues generated from the Property. No advances have been or shall be made by the Township or the BRA for the costs of eligible activities under this Plan.

All reimbursements authorized under this Plan shall be governed by the Reimbursement Agreement. The inclusion of eligible activities and estimates of costs to be reimbursed in this Plan are intended to authorize the BRA to fund such reimbursements and does not obligate the BRA or the Township to fund any reimbursement or to enter into the Reimbursement Agreement providing for the reimbursement of any costs for which tax increment revenues may be captured under this Plan, or which are permitted to be reimbursed under this Plan. The amount and source of any tax increment revenues that will be used for purposes authorized by this Plan, and the terms and conditions for such use and upon any reimbursement of the expenses permitted by this Plan, will be provided solely under the Reimbursement Agreement contemplated by this Plan.

Unless otherwise agreed upon by the Developer, the BRA, and the State of Michigan, the BRA shall not incur any note or bonded indebtedness to finance the purposes of this Plan.

Interest shall be paid under this Plan as provided in the Reimbursement Agreement, provided that to the extent that the MSF or EGLE does not approve the payment of interest on an eligible activity with school taxes, interest shall not accrue or be paid under this Plan with respect to the cost of such eligible activity. Unless otherwise agreed upon by the Developer, the BRA, and the State of Michigan, the BRA may approve interest on

the local portion of the reimbursement to the extent that the projected internal rate of return to the Developer does not exceed twenty (20%), as more specifically stated in the Reimbursement Agreement.

Reimbursements under the Reimbursement Agreement shall not exceed the cost of Eligible Activities permitted under this Plan.

F. Duration of Plan (Section 13(2)(f))

Subject to Section 13b(16) of Act 381, the beginning date of capture of tax increment revenues for each eligible property shall occur in accordance with the TIF table described in Exhibit F. In no event, however, shall this Plan extend beyond the maximum term allowed by Section 13(2)(f) of Act 381 for the duration of this Plan.

Furthermore, this Plan, or any subsequent amendment thereto, may be abolished or terminated in accordance with Section 14(8) of Act 381 in the event of any of the following:

- (a) The governing body may abolish a brownfield plan when it finds that the purposes for which the plan was established are accomplished.
- (b) The governing body may terminate a brownfield plan or plan amendment for an eligible property if the project for which eligible activities were identified in the brownfield plan or plan amendment fails to occur with respect to the eligible property for at least 2 years following the date of the resolution approving the brownfield plan or plan amendment, provided that the governing body first does both of the following:
 - (i) Gives 30 days' prior written notice to the developer at its last known address by certified mail or other method that documents proof of delivery attempted.
 - (ii) Provides the developer an opportunity to be heard at a public meeting.
- (c) If a brownfield plan or plan amendment is terminated under subdivision (b), the governing body may approve a new brownfield plan or plan amendment for the eligible property under which tax increment revenues may be captured for up to the period of time provided under section 13(5).
- (d) Notwithstanding anything in this subsection to the contrary, a brownfield plan or plan amendment shall not be abolished or terminated until the principal and interest on bonds issued under section 17 and all other obligations to which the tax increment revenues are pledged have been paid or funds sufficient to make the payment have been identified or segregated.

G. Effective Date of Inclusion in Brownfield Plan

The Property will become a part of this Plan on the date this Plan is approved by the governing body.

H. Displacement/Relocation of Individuals on Eligible Property (Section 13(2)(i-l))

There are no persons or businesses residing on the eligible property and no occupied residences will be acquired or cleared, therefore there will be no displacement or relocation of persons or businesses under this Plan.

I. Local Brownfield Revolving Fund ("LBRF") (Section 8; Section 13(2)(m))

The BRA has established a Local Brownfield Revolving Fund (LBRF). The LBRF will consist of all tax increment revenues authorized to be captured and deposited in the LBRF, as specified in Section 13(5) of Act 381, under this Plan and any other plan of the BRA. It may also include funds appropriated or otherwise made available from public or private sources.

The amount of tax increment revenue authorized for capture and deposit in the LBRF is estimated at **\$318,104**. All funds, if any, deposited in the LBRF shall be used in accordance with Section 8 of Act 381.

J. Brownfield Redevelopment Fund (Section 13(b)(14); Section 13(2)(m))

The BRA shall pay to the Department of Treasury at least once annually an amount equal to 50% of the taxes levied under the state education tax, 1993 PA 331, MCL 211.901 to 211.906, that are captured under this Plan for up to the first twenty-five (25) years of the duration of capture of tax increment revenues for each eligible property included in this Plan. If the BRA pays an amount equal to 50% of the taxes levied under the state education tax, 1993 PA 331, MCL 211.901 to 211.906, on a parcel of eligible property to the Department of Treasury under Section 13b(14) of Act 381, the percentage of local taxes levied on that parcel and used to reimburse eligible activities for the Project under this Plan shall not exceed the percentage of local taxes levied on that parcel that would have been used to reimburse eligible activities for the Project under this Plan if the 50% of the taxes levied under the state education tax, 1993 PA 331, MCL 211.901 to 211.906, on that parcel were not paid to the Department of Treasury under Section 13b(14) of Act 381.

K. Developer's Obligations, Representations and Warrants

The Developer and its affiliates shall comply with all applicable laws, ordinances, executive orders, or other regulations imposed by the Township or any other properly constituted governmental authority with respect to the Property and shall use the Property in accordance with this Plan.

The Developer, at its sole cost and expense, shall be solely responsible for and shall fully comply with all applicable federal, state, and local relocation requirements in implementing this Plan.

The Developer represents and warrants that a Phase I Environmental Site Assessment ("ESA"), and if appropriate, a Phase II ESA, baseline environmental assessment, and due care plan, pursuant to Part 201 of Michigan's Natural Resources and Environmental

Exhibit A
Hillside Residences
Brownfield Redevelopment Plan

Protection Act (MCL 324.20101 *et seq.*), has been performed on the Property ("Environmental Documents").

Except as otherwise agreed to by the BRA, any breach of a representation or warranty contained in this Plan shall render the Plan invalid, subject to the Developer's reasonable opportunity to cure as described in the Reimbursement Agreement.

Exhibit A
Hillside Residences
Brownfield Redevelopment Plan

III. ATTACHMENTS

ATTACHMENT A
Site Map



ATTACHMENT B

Legal Descriptions of Eligible Property to which the Plan Applies

26B1 THAT PART OF THE NE 1/4 OF SEC 26 DESC AS BEGINNING AT A PTE ON TH CL OF PLYMOUTH RD DIST N 73D 17M 40S W 262.43FT AND N 72D 29M 20S W 277.48FT FROM THE INTERSECTION OF SAID CL WITH THE E LINE OF SEC 26 AND PROCEEDING TH N 72D 29M 20S W ALONG SAID CL 479.85FT TH S 22D 19M 30S W 159.71FT TH S 49D 27M 20S E 558.64FT TH N 14D 30M 10S E 298.26FT TH N 72D 29M 20S W 1.0FT TH N 14D 30M 10S E 80.0 FT TO THE POB 3.06 AC K2.70.

ATTACHMENT C

Project Description

The proposed development is a multi-family residential complex with two 5-story residential buildings with first floor parking garages. The project consists of mass grading, underground detention installation and constructing the two-buildings and patio areas.

The final project will house 88 units. The floor plans range from 695 to 878 square feet for one-bedroom units and 1,040 to 1,149 square feet for two-bedroom units. Residents will have access to amenities, including a fitness center, indoor community gathering space, an outdoor terrace, car-charging ports, and covered parking. The aesthetic of the building will be contemporary, while integrating Plymouth Township's historical feel.

The 3.06-acre site is well positioned within Plymouth Township, MI and is in close proximity to shops and businesses in Old Village and Downtown Plymouth, as well as major highways, regional employment centers and schools. Further, it is situated in an appropriate location to service the unmet rental housing needs of the local market.

Exhibit A
Hillside Residences
Brownfield Redevelopment Plan

ATTACHMENT D

Supportive Letters



CHALDEAN AMERICAN CHAMBER OF COMMERCE

CHALDEAN COMMUNITY FOUNDATION

May 28, 2020

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

Dear Mr. Heise:

Please accept this letter of support for the Hillside Residence project at 41661 Plymouth Road, Plymouth Township MI developed by Hillside Residence, LLC. This Project is an exciting and critical development to revitalize the site.

The historic restaurant and grille that was located on the site for one hundred years has closed. Because of the condition of the soil on which the restaurant was originally built, it requires major redevelopment efforts. The proposed apartments will be a welcome addition to the area. We know Mr. Jonna and his company personally and we are pleased to offer our support with Jonna Properties as developer of Hillside Residence. The Brownfield Funds will significantly benefit the communities within Plymouth Township by enhancing the local economy and improving the environment.

Please feel free to contact me at 248-851-1200 if you have any questions or require additional information.

Sincerely,

Martin Manna
President

EXECUTIVE BOARD
SYLVIA STANISLAW
CHAIRMAN
PATRICIA TOMLIN
EXECUTIVE VICE-CHAIRMAN
SAMIR ABDO
VICE-CHAIRMAN
DR. NAJIB SIMAS
TREASURER
EMAN M. JONAS-DANESH
SECRETARY

EXECUTIVE BOARD MEMBERS
JUDY GUTMAN
JOSEPH PURSHE
ANTHONY WONA

DIRECTORS
JUSTIN MANNA
KEVIN JARAYIA
MILEY JONNA
SERIN YOZA
ANTHONY LOUSON
MICHAEL KOTAYAN
ANTHONY TONIN
MARTIN MANNA
PRESIDENT

PARTNERS AND AFFILIATES

Chaldean News

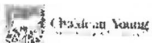


Exhibit A
Hillside Residences
Brownfield Redevelopment Plan

ATTACHMENT E

ESTIMATED COST OF ELIGIBLE ACTIVITIES

LIST OF ENVIRONMENTAL ELIGIBLE ACTIVITIES						
TIF Estimation of Eligible Activities			Project Costs	Normal Costs	Difference	Notes
Baseline Environmental Assessment Activities			\$ 13,854	\$ -	\$ 13,854	Invoice received
Excavation, treatment, transportation, and/or disposal of contaminated soil		Volume in Cubic Yards				Cost for removal and disposal of contaminated soils is estimated at \$50/yard. Cost for removal and disposal of clean soils is estimated at \$12/yard. Volume of caisson spoils supported by McDowell report.
A	Removal of Soils for Sanitary Installation	14,430	\$ 721,500.00	\$ 173,160.00	\$ 548,340.00	
B	Removal for Site Balancing	1,850	\$ 92,500.00	\$ 22,200.00	\$ 70,300.00	
C	Removal of Caisson Spoils	1,000	\$ 50,000	\$ 12,000	\$ 38,000.00	
Specialized Foundations						
A	Concrete Foundations and slab		\$ 1,029,630	\$ 462,720	\$ 340,146	Pumford quote provided. Difference is multiplied by 60% to reflect normal portion of special foundations.
B	Caisson installation		\$ 561,000	\$ 336,600	\$ 224,400	Full costs of caisson installation is included, as recommended by McDowell quote provided
						Per Renovare Development proposal
Brownfield Plan & 381 Preparation			\$ 20,000	\$ -	\$ 20,000	
15% Contingency on Eligible Act.			\$ 370,272.56	\$ -	\$ 185,255.96	
Total Eligible Activities			\$ 2,858,756	\$ 1,006,680	\$ 1,440,296	
BRA Administration Fee			\$ -	\$ -		
State Revolving Fund			\$ -	\$ -		
LSRRF			\$ -	\$ -		
Total Eligible Costs for TIF Reimbursement			\$ 2,858,756	\$ 1,006,680	\$ 1,440,296	
Developer Reimbursement			\$ 2,858,756	\$ 1,006,680	\$ 1,440,296	

ATTACHMENT F

TIF Tables

		Fiscal Year											TOTAL
		1	2	3	4	5	6	7	8	9	10	11	
		2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
		\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,870	\$ 392,871	\$ 392,872	\$ -
		\$ 7,034,636	\$ 7,104,982	\$ 7,176,032	\$ 7,247,793	\$ 7,320,270	\$ 7,393,473	\$ 7,467,408	\$ 7,542,082	\$ 7,617,503	\$ 7,693,678	\$ 7,770,615	\$ -
		\$ 6,641,786	\$ 6,712,112	\$ 6,783,162	\$ 6,854,923	\$ 6,927,400	\$ 7,000,603	\$ 7,074,538	\$ 7,149,212	\$ 7,224,633	\$ 7,300,807	\$ 7,377,743	\$ -
School Captures		Millage Rate											
State Education Tax (SET)	6.0000	\$ 39,851	\$ 40,273	\$ 40,699	\$ 41,130	\$ 41,564							\$ 203,516
School Operating Tax	18.0000	\$ 119,552	\$ 120,818	\$ 122,097	\$ 123,389	\$ 124,693							\$ 610,549
School Total	24.0000	\$ 159,402	\$ 161,091	\$ 162,796	\$ 164,518	\$ 166,258	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 814,065
Local Captures		Millage Rate											
Schooler al Community College	2.2516	\$ 16,711	\$ 16,888	\$ 17,066	\$ 17,247	\$ 17,429	\$ 17,614	\$ 17,800	\$ 17,987	\$ 18,177	\$ 18,369		\$ 175,288
RESA Spec Ed	3.3678	\$ 22,368	\$ 22,605	\$ 22,844	\$ 23,086	\$ 23,330	\$ 23,577	\$ 23,826	\$ 24,077	\$ 24,331	\$ 24,588		\$ 234,632
RESA Ge n Oper	0.0965	\$ 641	\$ 648	\$ 655	\$ 662	\$ 668	\$ 676	\$ 683	\$ 690	\$ 697	\$ 705		\$ 6,728
RESA Enhance	2.0000	\$ 13,284	\$ 13,424	\$ 13,566	\$ 13,710	\$ 13,855	\$ 14,001	\$ 14,149	\$ 14,298	\$ 14,449	\$ 14,602		\$ 139,338
Wayne County	6.6380	\$ 44,088	\$ 44,555	\$ 45,027	\$ 45,503	\$ 45,984	\$ 46,470	\$ 46,961	\$ 47,456	\$ 47,957	\$ 48,463		\$ 462,464
Township	0.834	\$ 5,402	\$ 5,460	\$ 5,517	\$ 5,576	\$ 5,635	\$ 5,694	\$ 5,754	\$ 5,815	\$ 5,877	\$ 5,938		\$ 56,668
Township Police/Fire 1	1.6272	\$ 10,807	\$ 10,922	\$ 11,038	\$ 11,154	\$ 11,272	\$ 11,391	\$ 11,512	\$ 11,633	\$ 11,756	\$ 11,880		\$ 113,366
Township Police/Fire 2	0.5604	\$ 3,722	\$ 3,776	\$ 3,801	\$ 3,841	\$ 3,882	\$ 3,923	\$ 3,965	\$ 4,006	\$ 4,049	\$ 4,091		\$ 39,043
Township Police/Fire 3	1.1971	\$ 7,551	\$ 7,635	\$ 7,719	\$ 7,806	\$ 7,893	\$ 7,980	\$ 8,069	\$ 8,158	\$ 8,249	\$ 8,340		\$ 83,401
Township Fire	0.9903	\$ 5,577	\$ 5,647	\$ 5,717	\$ 5,788	\$ 5,860	\$ 5,933	\$ 6,006	\$ 6,080	\$ 6,155	\$ 6,230		\$ 68,993
Wayne County Jail	0.9381	\$ 6,231	\$ 6,297	\$ 6,363	\$ 6,431	\$ 6,499	\$ 6,567	\$ 6,637	\$ 6,707	\$ 6,777	\$ 6,849		\$ 65,357
Wayne County Parks	0.2459	\$ 1,633	\$ 1,651	\$ 1,668	\$ 1,686	\$ 1,703	\$ 1,721	\$ 1,740	\$ 1,758	\$ 1,777	\$ 1,795		\$ 17,132
Huron Clinton Metro Parks	0.217	\$ 806	\$ 823	\$ 840	\$ 857	\$ 875	\$ 892	\$ 910	\$ 928	\$ 946	\$ 964		\$ 14,749
Plymouth District Library	1.4353	\$ 9,533	\$ 9,634	\$ 9,736	\$ 9,839	\$ 9,943	\$ 10,048	\$ 10,154	\$ 10,261	\$ 10,370	\$ 10,479		\$ 99,996
Local Total	22.3733	\$ 150,354	\$ 151,947	\$ 153,555	\$ 155,180	\$ 156,820	\$ 158,478	\$ 160,151	\$ 161,842	\$ 163,549	\$ 165,273		\$ 1,577,149
Non-Capturable Millagees		Millage Rate											Amount
Plymouth Canton School Debt	0.0200	\$ 26,700	\$ 26,983	\$ 27,268	\$ 27,557	\$ 27,848	\$ 28,142	\$ 28,440	\$ 28,740	\$ 29,043	\$ 29,349		\$ 280,070
Wayne County Zoo Authority	0.1000	\$ 664	\$ 673	\$ 678	\$ 685	\$ 693	\$ 700	\$ 707	\$ 715	\$ 722	\$ 730		\$ 6,967
DIA	0.2000	\$ 1,328	\$ 1,342	\$ 1,357	\$ 1,371	\$ 1,385	\$ 1,400	\$ 1,415	\$ 1,430	\$ 1,445	\$ 1,460		\$ 13,934
Total Non-Capturable Taxes	4.3200												\$ 300,971

ATTACHMENT G

Environmental Documents



BASELINE ENVIRONMENTAL ASSESSMENT

Conducted Pursuant to Section 20126(1)(c)(i)
of 1994 PA 451, Part 201, as amended,
and the Rules promulgated thereunder

Submitted to:

**Michigan Department of Environment, Great Lakes, and Energy
Remediation Division
Warren District Office
27700 Donald Court,
Warren, Michigan 48092-2793
(586) 753-3700**

For a property located at:

**41661 Plymouth Road,
Plymouth, Michigan 48170**

Prepared for:

**Hillside Residence II, LLC
2360 Orchard Lake Road
Sylvan Lake, Michigan 48320**

Prepared by:

**Applied Environmental
AE Project No. 19-3210BEA
July 21, 2019**

1.0	INTRODUCTION	1
1.1	EXECUTIVE SUMMARY OF ALL APPROPRIATE INQUIRY (AAI)	1
1.2	EXCEPTIONS/DELETIONS FROM ASTM E1527-13 STANDARD PRACTICE	1
1.3	DATA GAPS IDENTIFIED IN THE PHASE I ESA	2
1.4	SUBSURFACE INVESTIGATIONS	2
1.5	GENERAL LOCATION(S) OF KNOWN CONTAMINATION	2
1.6	BASIS FOR CONCLUSION THAT PROPERTY IS A FACILITY	3
2.0	PROPERTY INFORMATION	5
2.1	LEGAL DESCRIPTION	5
2.2	PROPERTY LOCATION	5
3.0	FACILITY STATUS	6
4.0	AUTHOR IDENTIFICATION ♦ DATE OF BEA COMPLETION	6
5.0	ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT	6
6.0	REFERENCES	6
7.0	APPENDICES	7



1.0 INTRODUCTION

Applied Environmental has conducted a Baseline Environmental Assessment (BEA) as provided for in Part 201, Act 451 of 1994, as amended, for the property located at 41661 Plymouth Road, Plymouth, Oakland County, Michigan 48170.

This BEA was performed at the request of Ms. Haley Jonna of Hillside Residence II, LLC to reasonably define the existing environmental conditions and circumstances of the site at the time of purchase of the subject property.

Hillside Residence II, LLC intends to utilize the subject property for a residential development.

1.1 Executive Summary of All Appropriate Inquiry (AAI)

A Phase I Environmental Site Assessment (ESA) was conducted by Applied Environmental for the subject property, report dated July 19, 2019. The Phase I ESA was performed in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice E1527-13.

Based on the Phase I ESA scope of work, including the historical research, regulatory database search, site reconnaissance, and interviews conducted, the evidence revealed the following recognized environmental condition (REC) in connection with the subject property.

REC 1:

According to a geotechnical investigation report generated for the subject property report date February 28, 2019, soils consisting of medium to stiff sandy clay and clayey silt with wood, metal, and miscellaneous debris underlay the pavement at the B-1 – B-10 geotechnical boring locations. An unidentified hydrocarbon odor was encountered at the B-2 and B-3 locations. Based on the hydrocarbon odors detected at B-2 and B-3, the potential exists that soil and/or groundwater at the site has been impacted as a result of the unidentified fill material. The unidentified fill material and the hydrocarbon odors detected in onsite soils are a REC.

1.2 Exceptions/Deletions from ASTM E1527-13 Standard Practice

There were no exceptions to, or deletions from, the ASTM E1527-13 Standard Practice as part of the Phase I ESA.

1.3 Data Gaps Identified in the Phase I ESA

There were no data gaps identified in the Phase I ESA.

1.4 Subsurface Investigations

A Phase II subsurface investigation was conducted on July 17, 2019. The subsurface investigation consisted of advancing three Geoprobe® borings (GP-1 through GP-3) within the parking lot on the southern and western portions of the subject property. A total of nine soil samples were submitted to an independent testing laboratory for chemical analysis.

Soil boring GP-1 was advanced in the southern parking lot, south of the subject building, GP-2 was advanced on the southwest portion of the site, and GP-3 was advanced in the western parking lot, near the southwest corner of the subject building. A total of nine soil samples were collected for laboratory analysis. Soil samples were variously analyzed for Volatile Organic Compounds (VOCs) by EPA Method 8260 and 5035, Polynuclear Aromatic Hydrocarbons (PNAs) by EPA Method 8270, 10 Michigan Metals by EPA Method 7000 series, and Polychlorinated Biphenyls (PCBs) by EPA Method 8082A. Soil samples to be analyzed for VOCs were preserved onsite using methanol according to EPA Method 5035. Analytical results were compared to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Part 201 Generic Residential Cleanup Criteria and Screening Levels (GRCC). Analytical results indicated that Arsenic, Benzene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Cadmium, Chromium, Copper, Dibenzo(a,h)anthracene, Ethylbenzene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, Naphthalene, Phenathrene, n-Propylbenzene, Selenium, Silver, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylenes were detected at concentrations exceeding one or more of the EGLE Part 201 GRCC.

Refer to the Scaled Site Map in Appendix A – Figures and Appendix B – Tables, for the soil sampling locations and detected contaminant concentrations above EGLE Part 201 GRCC. Refer to Appendix C – Soil Boring Logs for a description of the soils encountered at each boring location.

1.5 General Location(s) of Known Contamination

Laboratory analytical data for soil samples collected during the subsurface investigations conducted by Applied Environmental on July 17, 2019 identified concentrations of Arsenic, Benzene, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Chromium, Copper, Dibenzo(a,h)anthracene, Ethylbenzene, Fluoranthene, Fluorene, Naphthalene, Phenathrene, n-Propylbenzene, Selenium, Silver, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and Xylenes at the GP-1 boring location, Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(a)pyrene, Dibenzo(a,h)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, and Phenathrene at the GP-2 boring location, and Benzo(a)pyrene, Cadmium, Chromium, Fluoranthene, Phenathrene, and Silver at the GP-3 location in concentrations that exceed one or more of the EGLE Part 201 GRCC. Soil boring GP-1 was advanced in the southern parking lot, south of the subject building, GP-2 was advanced on the southwest portion of the site, and GP-3 was advanced in the western parking lot, near the southwest corner of the subject building.

Please see Table 1 below for sample locations and depths of regulated substances reported in soil samples collected from the site with concentrations exceeding one or more of the EGLE Part 201 GRCC.

1.6 Basis for Conclusion that Property is a Facility

The results of the subsurface investigations conducted by Applied Environmental revealed the presence of several hazardous substances in soil at concentrations above the EGLE Part 201 GRCC. A "facility" is defined as any area, place, parcel or parcels of property, or portion of a parcel of property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.

The chemicals in Table 1 were reported with concentrations exceeding one or more of the EGLE Part 201 GRCC, revised December 30, 2013, which designates the subject property a "facility" as defined in Part 201 of Michigan Public Act 451 of 1994, as amended.

TABLE 1 - Chemicals Exceeding Part 201/213 Residential Criteria for Soil				
Chemical Name	CAS #	Detected Concentrations	Sample Location and Depth	Criteria Exceeded
Arsenic	7440382	9,660 µg/Kg	GP-1 (0-2.5')	DW, GSIP, DC
		9,930 µg/Kg	GP-1 (5-7.5')	
Benzene	71432	1,740 µg/Kg	GP-1 (0-2.5')	DWP, SVIAI
Benzo(a)anthracene	56553	23,200 µg/Kg	GP-1 (0-2.5')	DC
		67,000 µg/Kg	GP-2 (7.5-10')	
Benzo(b)fluoranthene	205992	20,100 µg/Kg	GP-1 (0-2.5')	DC
		74,500 µg/Kg	GP-2 (7.5-10')	
Benzo(a)pyrene	50328	29,600 µg/Kg	GP-1 (0-2.5')	DC
		6,170 µg/Kg	GP-2 (5-7.5')	
		120,000 µg/Kg	GP-2 (7.5-10')	
		6,400 µg/Kg	GP-2 (12.5-15')	
		7,010 µg/Kg	GP-3 (10-12.5')	
		4,180 µg/Kg	GP-3 (15-17.5')	
Cadmium	7440439	12,100 µg/Kg	GP-3 (15-17.5')	DWP

TABLE 1 - Chemicals Exceeding Part 201/213 Residential Criteria for Soil

Chemical Name	CAS #	Detected Concentrations	Sample Location and Depth	Criteria Exceeded
Chromium	7440439	236,000 µg/Kg	GP-1 (0-2.5')	DWP, GSIP
		488,000 µg/Kg	GP-1 (5-7.5')	DWP, GSIP
		13,500 µg/Kg	GP-1 (12.5-15')	GSIP
		32,100 µg/Kg	GP-2 (5-7.5')	DW, GSIP
		7,870 µg/Kg	GP-2 (7.5-10')	GSIP
		5,580 µg/Kg	GP-2 (12.5-15')	GSIP
		25,400 µg/Kg	GP-3 (5-7.5')	GSIP
		28,400 µg/Kg	GP-3 (10-12.5')	GSIP
		41,200 µg/Kg	GP-3 (15-17.5')	DWP, GSIP
Copper	7440508	6,980,000 µg/Kg	GP-1 (5-7.5')	DWP
Dibenzo(a,h)anthracene	53703	5,940 µg/Kg	GP-1 (0-2.5')	DC
		24,600 µg/Kg	GP-2 (7.5-10')	
Ethylbenzene	100413	8,080 µg/Kg	GP-1 (0-2.5')	DWP, GSIP
Fluoranthene	206440	62,900 µg/Kg	GP-1 (0-2.5')	GSIP
		11,500 µg/Kg	GP-2 (5-7.5')	
		159,00 µg/Kg	GP-2 (7.5-10')	
		8,200 µg/Kg	GP-2 (12.5-15')	
		9,150 µg/Kg	GP-3 (5-7.5')	
Fluorene	86737	7,050 µg/Kg	GP-1 (0-2.5')	GSIP
Indeno(1,2,3-cd)pyrene	193395	75,200 µg/Kg	GP-2 (7.5-10')	DC
Napththalene	91203	6,630 µg/Kg	GP-1 (0-2.5')	GSIP
Phenanthrene	85018	54,200 µg/Kg	GP-1 (0-2.5')	GSIP
		4,930 µg/Kg	GP-2 (5-7.5')	GSIP
		66,200 µg/Kg	GP-2 (7.5-10')	DWP, GSIP
		3,880 µg/Kg	GP-2 (12.5-15')	GSIP
		6,460 µg/Kg	GP-3 (5-7.5')	GSIP
n-Propylbenzene	103651	3,240 µg/Kg	GP-1 (0-2.5')	DWP
Selenium	7782492	563 µg/Kg	GP-1 (0-2.5')	GSIP
		1,430 µg/Kg	GP-1 (12.5-15')	

TABLE 1 - Chemicals Exceeding Part 201/213 Residential Criteria for Soil

Chemical Name	CAS #	Detected Concentrations	Sample Location and Depth	Criteria Exceeded
Silver	7440224	108 µg/Kg	GP-1 (0-2.5')	GSIP
		488 µg/Kg	GP-1 (5-7.5')	
		121 µg/Kg	GP-1 (12.5-15')	
		327 µg/Kg	GP-3 (10-12.5')	
		574 µg/Kg	GP-3 (15-17.5')	
1,2,4-Trimethylbenzene	95636	7,510 µg/Kg	GP-1 (0-2.5')	DWP, GSIP
1,3,5-Trimethylbenzene	108678	4,790 µg/Kg	GP-1 (0-2.5')	DWP, GSIP
Xylenes	1330207	21,800 µg/Kg	GP-1 (0-2.5')	DWP, GSIP

DC = Direct Contact

DWP = Drinking Water Protection Criteria

GSIP = Groundwater Surface Water Interface Protection Criteria

SVIAI = Soil Volatilization to Indoor Air Inhalation Criteria

2.0 PROPERTY INFORMATION

2.1 Legal Description

The subject property legal description is as follows:

R-78-029-99-0002-000

26B1 THAT PART OF THE NE 1/4 OF SEC 26 DESC AS BEGINNING AT A PTE ON TH CL OF PLYMOUTH RD DIST N 73D 17M 40S W 262.43FT AND N 72D 29M 20S W 277.48FT FROM THE INTERSECTION OF SAID CL WITH THE E LINE OF SEC 26 AND PROCEEDING TH N 72D 29M 20S W ALONG SAID CL 479.85FT TH S 22D 19M 30S W 159.71FT TH S 49D 27M 20S E 558.64FT TH N 14D 30M 10S E 298.26FT TH N 72D 29M 20S W 1.0FT TH N 14D 30M 10S E 80.0 FT TO THE POB 3.06 AC K2.70.

The legal description, boundary survey, scaled site map and scaled area map are included in Appendix A – Figures and Appendix D – Legal Description.

2.2 Property Location

41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. The subject property is located on the south side of Plymouth Road, east of Edward Hines Drive.

3.0 FACILITY STATUS

Please see Appendix B for tables listing the hazardous substances, CAS Number, concentrations, sample location(s) and depths, and media affected, that are known to exceed residential criteria at the property. Appendix E also includes laboratory analytical reports and chain-of-custody documents.

4.0 AUTHOR IDENTIFICATION ♦ DATE OF BEA COMPLETION

Mr. Jeff Tait, Senior Project Manager, of Applied Environmental is the author of this BEA.

Applied Environmental is located at 1210 North Maple Road, Ann Arbor, Michigan 48103. The author of this BEA can be reached at (734) 975-1970. Professional Qualifications are included as Appendix F.

5.0 ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT

The Phase I ESA conducted for the subject property in compliance with the ASTM E1527-13 Standard Practice is included as Appendix G.

6.0 REFERENCES

- Applied Environmental Phase I ESA for 41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. AE Project Number 19-3210PI. August 7, 2019.
- G2 Consulting Group Geotechnical Investigation for 41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. G2 Project Number 180734. February 28, 2019.

7.0 APPENDICIES

APPENDIX A: FIGURES

Figure 1: Site Location Map

Figure 2: Scaled Area Map

Figure 3: Site Diagram with Soil Analytical Results

APPENDIX B: TABLES

Table 1: Soil Tables

APPENDIX C: BORING LOGS

APPENDIX D: LEGAL DESCRIPTION

APPENDIX E: LABORATORY REPORTS & CHAIN OF CUSTODY

APPENDIX F: PROFESSIONAL QUALIFICATIONS

APPENDIX G: PHASE I ESA

APPENDIX A – Figures

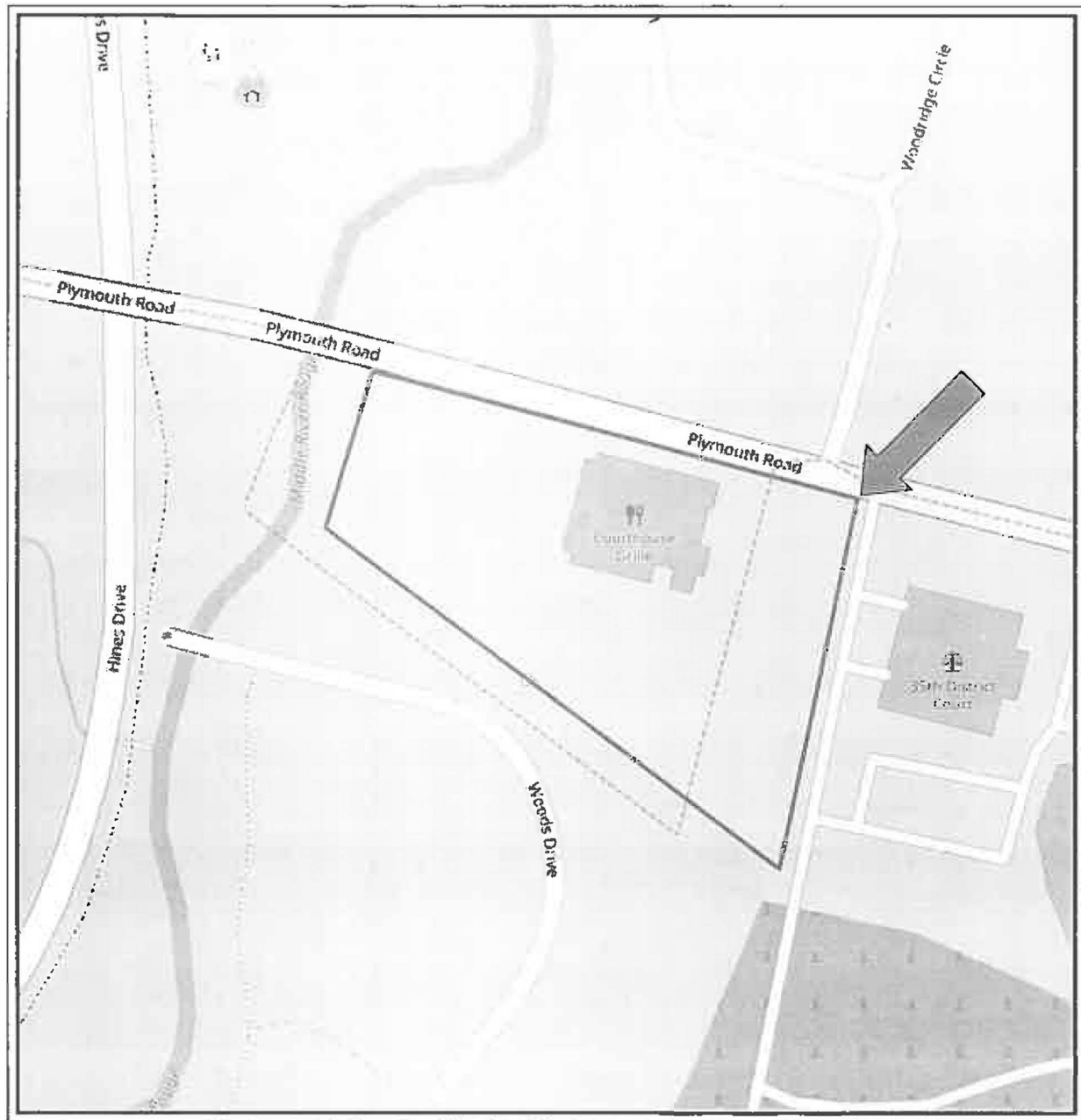


Figure 1
Site Location Map



**APPLIED
ENVIRONMENTAL**

1210 North Maple Rd.
Ann Arbor, MI 48103
(734) 975-1970

Commercial Property
41661 Plymouth Road
Plymouth, Michigan 48170

AE Project No. 19-3210BEA



North
Unknown

Source: Bing Maps



Figure 2
Scaled Area Map



**APPLIED
ENVIRONMENTAL**

1210 North Maple Rd.
Ann Arbor, MI 48103
(734) 975-1970

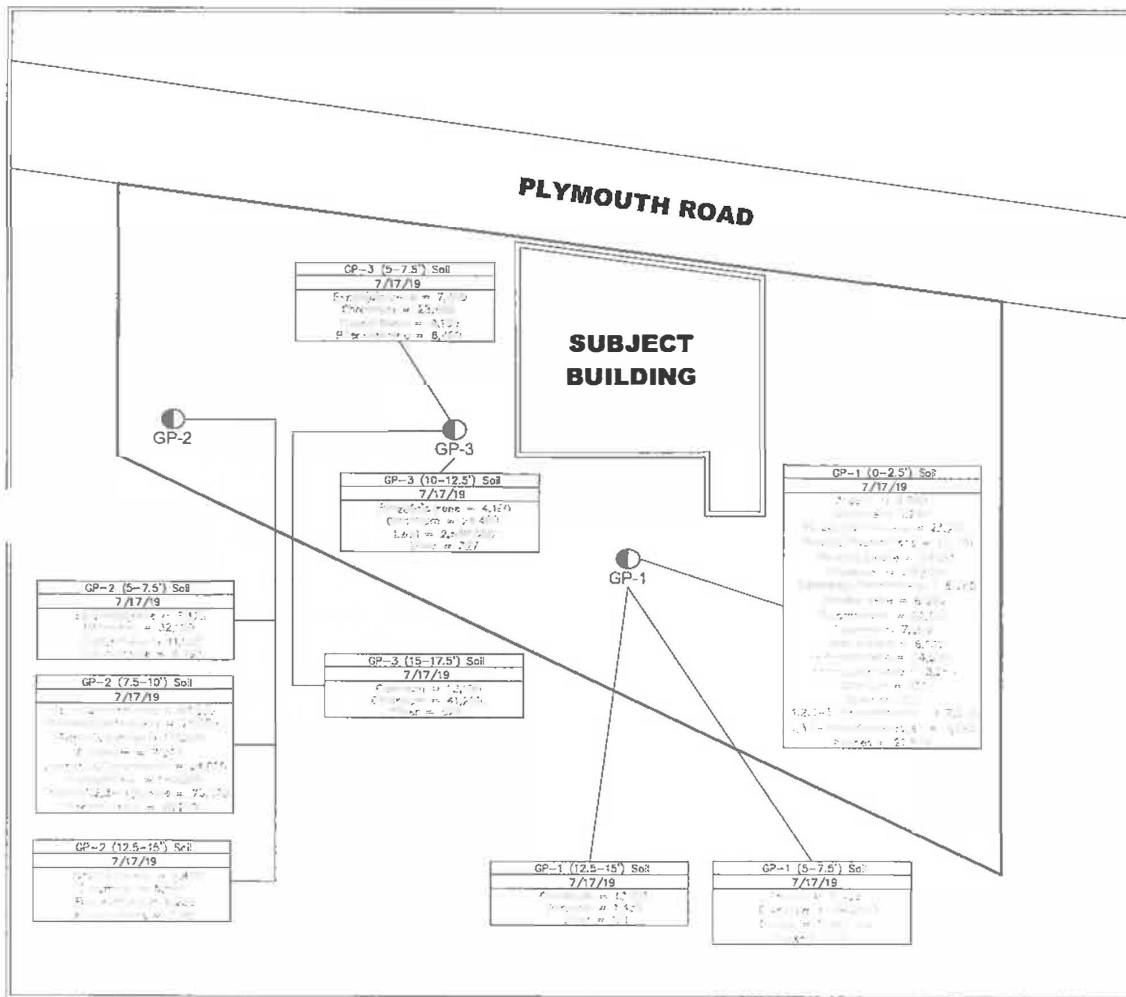
**Commercial Property
41661 Plymouth Road
Plymouth, Michigan 48170**

AE Project No. 19-3210BEA



**North
Unknown**

Source: Wayne County GIS



Legend

— Approximate Subject Property Border

All results reported in ug/kg (soil)

Only results that exceed EGLE Part 201 GRCC included on the map

**FIGURE 3
SOIL BORING LOCATIONS MAP
AND ANALYTICAL RESULTS
7/17/2019**

COMMERCIAL PROPERTY
41661 PLYMOUTH ROAD
PLYMOUTH, MI 48170



Applied Environmental
1210 North Maple Road
Ann Arbor, Michigan 48103
(734) 975-1970

APPENDIX B – Tables

Table 1

Table 1

Chemical not detected above Method Detection Limit (MDL).

APPENDIX C – Boring Logs

Boring Log GP-1		Project: Commercial Property		Date Start: 7/17/2019	
Address: 41661 Plymouth Road		State: MI Zip: 48170		Date Comp.: 7/17/2019	
City: Plymouth				Project Number: 19-3210PH	
Contractor/Driller: LaPointe Environmental, Inc.		Weather: Cloudy		Ground Water Observations	
Scientist: Jeff Tait		Depth: Not Encountered			
Sampler type: 4' Macro Core Sampler		≈ 80° F			
Boring Location: Within the parking lot southwest portion of the subject property				Time:	

Depth (ft)	Elev. (ft)	Sample Information				Sample Description	Stratum Description
		PID (ppm)	ID	Rec.	Interval (ft)		
1			GP2-1	4'	0-4	0 to 4" - Asphalt	Asphalt
2		3.2				4" to 4' - Fine grained SAND, some clay, moist, dark brown	Sand
3							
4		0.8					
5			GP2-2	4'	4-8	4' to 8' - Fine grained SAND, some clay, moist, dark brown	
6							
7		8.8					
8							
9		4.9	GP2-3	4'	8-12	8' to 9' - Fine grained SAND, some clay, moist, dark brown	
10						9' to 12' - Moist CLAY, some sand, dark brown	Clay
11		0.4					
12							
13			GP2-4	4'	12-16	12' to 14' - Moist CLAY, some sand, dark brown	
14		0.2					
15						14' to 16' - Moist CLAY, some sand, dark brown, some glass brick, and concrete	
16							
17						End of boring 16'	
18							
19							
20							

GRANULAR SOILS		NOTES: Soil samples collected at 0-2.5', 5-7.5', and 12.5-15'	Proportions used Trace (0-10%), Little (10-20%), Some (20-30%), And (35-50%) With (amount of component not included) (734) 975-1970 1210 North Maple Road Ann Arbor MI 48103
Bl/Ft	Density		
0-4	V. Loose		
4-10	Loose		
10-30	M. Dense		
30-50	Dense		
>50	V. Dense		
COHESIVE SOILS			
Bl/Ft	Density		
<2	V. Soft		
2-4	Soft		
4-8	M. Stiff		
8-15	Stiff		
15-30	V. Stiff		
>30	Hard		

APPLIED ENVIRONMENTAL

Boring Log GP-2		Project: Commercial Property		Date Start: 7/17/2019	
		Address: 41661 Plymouth Road		Date Comp.: 7/17/2019	
		City: Plymouth State: MI Zip: 48170		Project Number: 19-3210PII	
Contractor/Driller: LaPointe Environmental, Inc.		Weather: Cloudy		Ground Water Observations	
Scientist: Jeff Tait		Depth: Not Encountered			
Sampler type: 4' Macro Core Sampler		≈ 80° F			
Boring Location: Southern parking lot south of the subject building				Time:	

Depth (ft)	Elev. (ft)	Sample Information				Sample Description	Stratum Description
		PID (ppm)	ID	Rec.	Interval (ft)		
			GPI-1	4'	0-4	0 to 4" - Asphalt	Asphalt
1						4" to 4' - Fine grained SAND, some clay, trace silt moist, dark brown	Sand
2		0.1					
3							
4		0.5					
5			GPI-2	4'	4-8	4' to 7' - Fine grained SAND, some clay, trace silt moist, dark brown	
6		1.4					
7							
8						7' to 8' - Fine grained SAND, some clay, trace silt, moist some wood pieces, dark brown	
9		2.8	GPI-3	4'	8-12	8' to 9' - Fine grained SAND, some clay, trace silt, moist some wood pieces, dark brown	
10						9' to 12' - Fined grained SAND, trace clay, moist, dark brown	
11		2.1					
12							
13			GPI-4	4'	12-16	12' to 16' - Fined grained SAND, trace clay, trace gravel moist, dark brown	
14		0.5					
15							
16		0.8					
17			GPI-5	4'	16-20	16' to 19' - Fined grained SAND, trace clay, moist, dark brown	
18							
19		0.2					
20						19' to 20' - Moist CLAY, dark brown	Clay

GRANULAR SOILS		NOTES: Soil samples collected at 5-7.5', 7.5-10', and 12.5-15'	Proportions used Trace (0-10%), Little (10-20%), Some (20-30%), And (35-50%) With (amount of component not included) (734) 975-1970 1210 North Maple Road Ann Arbor MI 48103
Bl/Ft	Density		
0-4	V. Loose		
4-10	Loose		
10-30	M. Dense		
30-50	Dense		
>50	V. Dense		
COHESIVE SOILS			
Bl/Ft	Density		
<2	V. Soft		
2-4	Soft		
4-8	M. Stiff		
8-15	Stiff		
15-30	V. Stiff		
>30	Hard		

**APPLIED
ENVIRONMENTAL**

Boring Log GP-3		Project: Commercial Property		Date Start: 7/17/2019	
		Address: 41661 Plymouth Road		Date Comp.: 7/17/2019	
		City: Plymouth State: MI Zip: 48170		Project Number: 19-3210PII	
Contractor/Driller: LaPointe Environmental, Inc.		Weather: Cloudy		Ground Water Observations	
Scientist: Jeff Tait		Depth: Not Encountered			
Sampler type: 4' Macro Core Sampler		≈ 80° F			
Boring Location: Western parking lot near the southwest corner of the subject building				Time:	

Depth (ft)	Elev. (ft)	Sample Information				Sample Description	Stratum Description
		PID (ppm)	ID	Rec.	Interval (ft)		
1			GP3-1	4'	0-4	0 to 4" - Asphalt	Asphalt
2	0.2					4" to 2' - Moist CLAY, trace silt and sand, black	Clay
3						2' to 4' - Fine grained SAND, moist, some concrete debris brown	Sand
4	0.5						
5			GP3-2	4'	4-8	4' to 5' - Fine grained SAND, some clay, brown	
6	6.3					5' to 8' - Moist CLAY, trace sand and gravel, dark brown	Clay
7							
8							
9	1.3		GP3-3	4'	8-12	8' to 11' - Moist CLAY, trace sand and gravel, some brick and concrete, dark brown	
10							
11	0.6					11' to 12' - Clay, trace sand and gravel, some glass and brick	
12							
13			GP3-4	4'	12-16	12' to 13' - Clay, trace sand and gravel, some glass and brick	
14	0.1					13' to 16' - Gravel and CLAY mixed with concrete and glass	
15							
16	1.3						
17			GP3-4	4'	16-20	16' to 20' - Gravel and CLAY mixed with concrete and glass	
18							
19	0.3						
20							

GRANULAR SOILS <table border="1"> <tr> <th>Bl/Ft</th> <th>Density</th> </tr> <tr> <td>0-4</td> <td>V. Loose</td> </tr> <tr> <td>4-10</td> <td>Loose</td> </tr> <tr> <td>10-30</td> <td>M. Dense</td> </tr> <tr> <td>30-50</td> <td>Dense</td> </tr> <tr> <td>>50</td> <td>V. Dense</td> </tr> </table>		Bl/Ft	Density	0-4	V. Loose	4-10	Loose	10-30	M. Dense	30-50	Dense	>50	V. Dense	NOTES: Soil samples collected at 5-7.5', 10-12.5', and 15-17.5'	Proportions used Trace (0-10%), Little (10-20%), Some (20-30%), And (35-50%) With (amount of component not included)	
Bl/Ft	Density															
0-4	V. Loose															
4-10	Loose															
10-30	M. Dense															
30-50	Dense															
>50	V. Dense															
COHESIVE SOILS <table border="1"> <tr> <th>Bl/Ft</th> <th>Density</th> </tr> <tr> <td><2</td> <td>V. Soft</td> </tr> <tr> <td>2-4</td> <td>Soft</td> </tr> <tr> <td>4-8</td> <td>M. Stiff</td> </tr> <tr> <td>8-15</td> <td>Stiff</td> </tr> <tr> <td>15-30</td> <td>V. Stiff</td> </tr> <tr> <td>>30</td> <td>Hard</td> </tr> </table>		Bl/Ft	Density	<2	V. Soft	2-4	Soft	4-8	M. Stiff	8-15	Stiff	15-30	V. Stiff	>30	Hard	(734) 975-1970 1210 North Maple Road Ann Arbor MI 48103
Bl/Ft	Density															
<2	V. Soft															
2-4	Soft															
4-8	M. Stiff															
8-15	Stiff															
15-30	V. Stiff															
>30	Hard															
		APPLIED ENVIRONMENTAL														

APPENDIX D – Legal Description

41661 PLYMOUTH RD PLYMOUTH, MI 48170 (Property Address)

Parcel Number: R-78-029-99-0002-000 Account Number: 01335



Item 1 of 2

1 Image / 1 Sketch

Property Owner: HILL SIDE INN**Summary Information**

- Commercial/Industrial Building Summary
 - Yr Built: 1937 # of Buildings: 2
 - Total Sq.Ft.: 16,391
- > Assessed Value: \$393,700 | Taxable Value: \$387,460
- > 28 Building Department records found
- > Property Tax information found
- > Utility Billing information found

Owner and Taxpayer Information

Owner	HILL SIDE INN 40301 PRESTWICK CT NORTHVILLE, MI 48167	Taxpayer	SEE OWNER INFORMATION
--------------	---	-----------------	-----------------------

General Information for Tax Year 2018

Property Class	COMMERCIAL IMPROVED	Unit	78 PLYMOUTH TOWNSHIP
School District	DISTRICT 82100	Assessed Value	\$393,700
Map Number	No Data to Display	Taxable Value	\$387,460
USER NUMBER IDX	0	State Equalized Value	\$393,700
CERTIFICATE NO.	No Data to Display	Date of Last Name Change	No Data to Display
USER ALPHA 3	No Data to Display	Notes	Not Available
Historical District	No	Census Block Group	No Data to Display
INPUT STATUS	X	Exemption	No Data to Display

Principal Residence Exemption Information**Homestead Date** No Data to Display

Principal Residence Exemption	June 1st	Final
2019	0.0000 %	
2018	0.0000 %	0.0000 %

Previous Year Information

Year	MBOR Assessed	Final SEV	Final Taxable
2017	\$390,520	\$390,520	\$379,500
2016	\$403,730	\$403,730	\$376,120
2015	\$559,610	\$559,610	\$375,000
2014	\$541,440	\$541,440	\$375,000
2013	\$539,380	\$539,380	\$435,200
2012	\$711,940	\$711,940	\$425,000
2011	\$721,400	\$721,400	\$450,000
2010	\$792,970	\$792,970	\$475,000
2009	\$701,270	\$701,270	\$504,130
2008	\$742,870	\$742,870	\$482,890

Land Information

Zoning Code	C-2	Total Acres	2.700
Land Value	Not Available	Land Improvements	\$52,171
Renaissance Zone	No	Renaissance Zone Expiration Date	No Data to Display
ECF Neighborhood	COMMERICAL RESTARAUNT	Mortgage Code	998
Lot Dimensions/Comments	No Data to Display	Neighborhood Enterprise Zone	No

Depth

Lot(s)	Frontage	Depth
--------	----------	-------

No lots found.

Total Frontage: 0.00 ft

Average Depth: 0.00 ft

Legal Description

2681 THAT PART OF THE NE 1/4 OF SEC 26 DESC AS BEGINNING AT A PTE ON: TH CL OF PLYMOUTH RD DIST N 73D 17M 40S W 262.43FT AND N 72D 29M 20S W 277.48FT FROM THE INTERSECTION OF SAID CL WITH THE E LINE OF SEC 26 AND PROCEEDING TH N 72D 29M 20S W ALONG SAID CL 479.85FT TH S 22D 19M 30S W 159.71FT TH S 49D 27M 20S E 558.64FT TH N 14D 30M 10S E 298.26FT TH N 72D 29M 20S W 1.0FT TH N 14D 30M 10S E 80.0 FT TO THE POB 3.06 AC K2.70

Building Information - 9060.00 sq ft Restaurants (Commercial)

Floor Area	9,060 sq ft	Estimated TCV	\$277,530
Occupancy	Restaurants	Class	C
Stories Above Ground	2	Average Story Height	18 ft
Basement Wall Height	12 ft	Identical Units	1
Year Built	1937	Year Remodeled	Not Available
Percent Complete	100%	Heat	Package Heating & Cooling
Physical Percent Good	35%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	55 yrs

Building Information - 7331.00 sq ft Restaurants (Commercial)

Floor Area	7,331 sq ft	Estimated TCV	\$209,213
Occupancy	Restaurants	Class	C
Stories Above Ground	1	Average Story Height	10 ft
Basement Wall Height	12 ft	Identical Units	1
Year Built	1958	Year Remodeled	Not Available
Percent Complete	100%	Heat	Package Heating & Cooling
Physical Percent Good	35%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	55 yrs

****Disclaimer:** BS&A Software provides BS&A Online as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.

Copyright © 2018 BS&A Software, Inc.

APPENDIX E – Laboratory Reports & Chain of Custody



QUANTUM LABORATORIES, INC.
28221 Beck Road • Suite A-11
Wixom, Michigan 48393
248-348-TEST or 248-348-8378

ANALYTICAL REPORT

For: Applied Environmental, Inc.
1210 N. Maple Rd
Ann Arbor MI 48103-2842

Report Number: 10655
Report Date: July 19, 2019
Project Name: 41661 Plymouth Rd
Project Number: 19-3210
Page: 1 of 40

Attn: Mr. Mike Gatien

734-975-1970 Fax: 734-975-1973

Sample Description

Nine (9) samples reported to be Soil and identified as "41661 Plymouth Rd", Plymouth MI, 7/17/19, Grab and:

1. GP-1, 0-2.5', 9:40
2. GP-1, 5-7.5', 9:45
3. GP-1, 12.5-15', 9:50
4. GP-2, 5-7.5', 10:30
5. GP-2, 7.5-10', 10:35
6. GP-2, 12.5-15', 10:40
7. GP-3, 5-7.5', 11:45
8. GP-3, 10-12.5', 11:50
9. GP-3, 15-17.5', 11:52

Analysis Requested

Chemical Analysis per SW-846 (SW) for:

1. Volatile Organic Compounds (VOC), Methods 8260B and 5035
2. Polynuclear Aromatic Hydrocarbons (PNA), Method 8270C
3. Polychlorinated Biphenyls (PCB), Method 8082A
4. 10 Michigan Metals
 - a) Arsenic, Method 7010
 - b) Barium, Method 7010
 - c) Cadmium, Method 7010
 - d) Chromium, Method 7010
 - e) Copper, Method 7010
 - f) Lead, Method 7010
 - g) Mercury, Method 7471B
 - h) Selenium, Method 7010
 - i) Silver, Method 7010
 - j) Zinc, Method 7010

Analytical Results

Sample Description:		GP-1, 0-2.5', 9:40, 7/17/19				
Laboratory ID:	10655-1	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Volatile Organic Compounds						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	1,740	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	765	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	605	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-1, 0-2.5', 9:40, 7/17/19				
Laboratory ID:	10655-1	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	8,080	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	1,820	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	1,040	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	3,240	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Toluene	601	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	7,510	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	4,790	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	21,800	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	93.5%	-	% Recovery	07/18/19	BD	
Toluene-d8	103%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	109%	-	% Recovery	07/18/19	BD	
continued						

Sample Description: GP-1, 0-2.5', 9:40, 7/17/19						
Laboratory ID:	10655-1	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	3,200	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	391	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	12,900	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	23,200	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	20,100	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	33,600	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	18,500	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	29,600	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	20,800	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	5,940	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	62,900	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	7,050	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	16,500	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	1,800	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	6,630	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	54,200	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Pyrene	49,200	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	48.7%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	44.1%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	48.9%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	1,090	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	135%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	178%	-	% Recovery	07/18/19	DS	D, S
continued						

Sample Description:		GP-1, 0-2.5', 9:40, 7/17/19				
Laboratory ID:	10655-1	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	9,660	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	155,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	976	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	236,000	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	4,860,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Lead	89,500	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	563	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	108	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	663,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	76.0%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-1, 5-7.5', 9:45, 7/17/19				
Laboratory ID:	10655-2	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description: GP-1, 5-7.5', 9:45, 7/17/19						
Laboratory ID:	10655-2	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
o-xylene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	93.0%	-	% Recovery	07/18/19	BD	
Toluene-d8	102%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	108%	-	% Recovery	07/18/19	BD	
continued						

Sample Description:		GP-1, 5-7.5', 9:45, 7/17/19				
Laboratory ID:	10655-2	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	734	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	1,050	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	1,420	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	1,320	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	423	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	840	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	704	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	1,190	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	1,310	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
pyrene	835	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	49.2%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	46.3%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	53.0%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	1,020	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	130%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	224%	-	% Recovery	07/18/19	DS	D, S
continued						

Sample Description:		GP-1, 5-7.5', 9:45, 7/17/19				
Laboratory ID:	10655-2	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	9,930	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	78,300	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	604	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	488,000	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	6,980,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Lead	65,400	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	212	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	488	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	354,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	81.1%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-1, 12.5-15', 9:50, 7/17/19				
Laboratory ID:	10655-3	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Volatile Organic Compounds						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-1, 12.5-15', 9:50, 7/17/19				
Laboratory ID:	10655-3	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
o-Xylene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	93.9%	-	% Recovery	07/18/19	BD	
Toluene-d8	102%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	105%	-	% Recovery	07/18/19	BD	
continued						

Sample Description: GP-1, 12.5-15', 9:50, 7/17/19						
Laboratory ID:	10655-3	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
pyrene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	41.6%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	36.5%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	42.8%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	116%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	131%	-	% Recovery	07/18/19	DS	D
continued						

Sample Description:		GP-1, 12.5-15', 9:50, 7/17/19				
Laboratory ID:	10655-3	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	785	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	867,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	13,500	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	4,290,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	47,800	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	1,430	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	121	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	38,500	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	54.8%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-2, 5-7.5', 10:30, 7/17/19				
Laboratory ID:	10655-4	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-2, 5-7.5', 10:30, 7/17/19				
Laboratory ID:	10655-4	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
o-Xylene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	91.9%	-	% Recovery	07/18/19	BD	
Toluene-d8	103%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	105%	-	% Recovery	07/18/19	BD	
continued						

Sample Description: GP-2, 5-7.5', 10:30, 7/17/19						
Laboratory ID:	10655-4	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	360	330	µg/Kg, dry wt.	07/18/19	BD	
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	
Anthracene	2,460	330	µg/Kg, dry wt.	07/18/19	BD	
Benzo(a)anthracene	2,660	330	µg/Kg, dry wt.	07/18/19	BD	
Benzo(b)fluoranthene	4,620	330	µg/Kg, dry wt.	07/18/19	BD	
Benzo(k)fluoranthene	4,920	330	µg/Kg, dry wt.	07/18/19	BD	
Benzo(g,h,i)perylene	3,000	330	µg/Kg, dry wt.	07/18/19	BD	
Benzo(a)pyrene	6,170	330	µg/Kg, dry wt.	07/18/19	BD	
Chrysene	6,080	330	µg/Kg, dry wt.	07/18/19	BD	
Dibenz(a,h)anthracene	981	330	µg/Kg, dry wt.	07/18/19	BD	
Fluoranthene	11,500	330	µg/Kg, dry wt.	07/18/19	BD	
Fluorene	522	330	µg/Kg, dry wt.	07/18/19	BD	
Indeno(1,2,3-cd)pyrene	2,020	330	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	
Phenanthrene	4,930	330	µg/Kg, dry wt.	07/18/19	BD	
Pyrene	12,400	330	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
Nitrobenzene-d5	52.2%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	48.4%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	53.7%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	123%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	138%	-	% Recovery	07/18/19	DS	D
continued						

Sample Description: GP-2, 5-7.5', 10:30, 7/17/19						
Laboratory ID:	10655-4	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	1,650	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	98,700	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	32,100	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	113,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	13,200	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	39,600	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	91.1%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-2, 7.5-10', 10:35, 7/17/19				
Laboratory ID:	10655-5	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-2, 7.5-10', 10:35, 7/17/19				
Laboratory ID:	10655-5	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Toluene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	91.4%	-	% Recovery	07/18/19	BD	
Toluene-d8	102%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	107%	-	% Recovery	07/18/19	BD	
continued						

Sample Description:		GP-2, 7.5-10', 10:35, 7/17/19				
Laboratory ID:	10655-5	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Acenaphthylene	Not Detected	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Anthracene	17,800	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Benzo(a)anthracene	67,000	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Benzo(b)fluoranthene	74,500	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Benzo(k)fluoranthene	167,000	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Benzo(g,h,i)perylene	93,700	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Benzo(a)pyrene	120,000	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Chrysene	76,400	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Dibenz(a,h)anthracene	24,600	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Fluoranthene	159,000	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Fluorene	Not Detected	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Indeno(1,2,3-cd)pyrene	75,200	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
2-Methylnaphthalene	Not Detected	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Naphthalene	Not Detected	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Phenanthrene	66,200	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Pyrene	131,000	3,300	µg/Kg, dry wt.	07/18/19	BD	E, D, M
Surrogate Standards						
Nitrobenzene-d5	44.4%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	55.1%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	57.3%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	108%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	129%	-	% Recovery	07/18/19	DS	D
continued						

Sample Description: GP-2, 7.5-10', 10:35, 7/17/19						
Laboratory ID:	10655-5	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	1,620	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	47,700	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	695	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	7,870	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	25,200	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	35,300	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	45,300	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	85.5%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-2, 12.5-15', 10:40, 7/17/19				
Laboratory ID:	10655-6	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Volatile Organic Compounds						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-2, 12.5-15', 10:40, 7/17/19				
Laboratory ID:	10655-6	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnapthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Napthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
luene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	89.0%	-	% Recovery	07/18/19	BD	
Toluene-d8	101%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	106%	-	% Recovery	07/18/19	BD	
continued						

Sample Description: GP-2, 12.5-15', 10:40, 7/17/19						
Laboratory ID:	10655-6	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	1,040	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	4,030	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	4,390	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	6,800	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	5,380	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	6,400	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	4,440	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	1,480	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	8,200	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	3,860	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	3,880	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
pyrene	7,290	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	33.9%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	36.1%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	42.1%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	129%	-	% Recovery	07/18/19	DS	D
Decachlorobiphenyl	173%	-	% Recovery	07/18/19	DS	D, S
continued						

Sample Description: GP-2, 12.5-15', 10:40, 7/17/19						
Laboratory ID:	10655-6	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	690	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	25,200	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	5,580	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	39,100	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	4,330	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	14,300	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	90.3%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-3, 5-7.5', 11:45, 7/17/19				
Laboratory ID:	10655-7	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-3, 5-7.5', 11:45, 7/17/19				
Laboratory ID:	10655-7	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
o-Xylene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	90.1%	-	% Recovery	07/18/19	BD	
Toluene-d8	102%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	106%	-	% Recovery	07/18/19	BD	
continued						

Sample Description: GP-3, 5-7.5', 11:45, 7/17/19						
Laboratory ID:	10655-7	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	392	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	1,970	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	3,940	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	4,250	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	7,450	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	6,390	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	7,010	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	3,730	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	1,630	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	9,150	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	667	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	4,950	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	6,460	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Pyrene	7,250	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	51.3%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	50.8%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	54.1%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	152%	-	% Recovery	07/18/19	DS	D, S
Decachlorobiphenyl	175%	-	% Recovery	07/18/19	DS	D, S
continued						

Sample Description:		GP-3, 5-7.5', 11:45, 7/17/19				
Laboratory ID:	10655-7	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	1,870	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	87,500	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	Not Detected	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	25,400	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	68,100	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	14,200	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	301	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	30,200	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	92.5%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-3, 10-12.5', 11:50, 7/17/19				
Laboratory ID:	10655-8	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description: GP-3, 10-12.5', 11:50, 7/17/19						
Laboratory ID:	10655-8	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
toluene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	89.6%	-	% Recovery	07/18/19	BD	
Toluene-d8	100%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	107%	-	% Recovery	07/18/19	BD	
continued						

Sample Description:		GP-3, 10-12.5', 11:50, 7/17/19				
Laboratory ID:	10655-8	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	552	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	2,370	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	2,640	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	3,780	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	3,440	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	4,180	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	2,320	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	865	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	3,160	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	2,920	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	1,480	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
pyrene	3,180	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	45.2%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	41.5%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	42.1%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1221	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1232	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1242	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1248	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1254	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Aroclor 1260	Not Detected	500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Polychlorinated biphenyls (Total)	Not Detected	3,500	µg/Kg, dry wt.	07/18/19	DS	E, M, D
Surrogate Standards						
Tetrachloro-m-xylene	149%	-	% Recovery	07/18/19	DS	D, S
Decachlorobiphenyl	173%	-	% Recovery	07/18/19	DS	D, S
continued						

Sample Description:		GP-3, 10-12.5', 11:50, 7/17/19				
Laboratory ID:	10655-8	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	3,850	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	565,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	865	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	28,400	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	110,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	2,500,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	259	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	327	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	1,320,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	89.3%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Sample Description:		GP-3, 15-17.5', 11:52, 7/17/19				
Laboratory ID:	10655-9	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
<i>Volatile Organic Compounds</i>						
Acetone	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Benzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Bromobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromodichloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromoform	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Bromomethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
2-Butanone (MEK)	Not Detected	750	µg/Kg, dry wt.	07/18/19	BD	
n-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
sec-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
tert-Butylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Carbon disulfide	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Carbon tetrachloride	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chlorobenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloroethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Chloroform	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Chloromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
4-Chlorotoluene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Dibromochloromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dibromo-3-chloropropane	Not Detected	10	µg/Kg, dry wt.	07/18/19	BD	
Dibromomethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,4-Dichlorobenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Dichlorodifluoromethane	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
trans-1,2-Dichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,3-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2,2-Dichloropropane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
cis-1,3-Dichloropropene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
continued						

Sample Description:		GP-3, 15-17.5', 11:52, 7/17/19				
Laboratory ID:	10655-9	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
VOC's, Cont'd						
Ethylbenzene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Ethylene Dibromide (1,2-Dibromoethane)	Not Detected	20	µg/Kg, dry wt.	07/18/19	BD	
Hexachlorobutadiene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
2-Hexanone	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Isopropyl benzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
4-Methyl-2-pentanone (MIBK)	Not Detected	2,500	µg/Kg, dry wt.	07/18/19	BD	
Methyl-t-butyl ether (MTBE)	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Methylene chloride	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
2-Methylnaphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
Naphthalene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
n-Propylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Styrene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,1,2-Tetrachloroethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,1,2,2-Tetrachloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrachloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Tetrahydrofuran	Not Detected	1,000	µg/Kg, dry wt.	07/18/19	BD	
Toluene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trichlorobenzene	Not Detected	250	µg/Kg, dry wt.	07/18/19	BD	
1,1,1-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
1,1,2-Trichloroethane	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichloroethylene	Not Detected	50	µg/Kg, dry wt.	07/18/19	BD	
Trichlorofluoromethane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,3-Trichloropropane	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,2,4-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
1,3,5-Trimethylbenzene	Not Detected	100	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Acetate	Not Detected	5,000	µg/Kg, dry wt.	07/18/19	BD	
Vinyl Chloride	Not Detected	40	µg/Kg, dry wt.	07/18/19	BD	
Xylene (Total)	Not Detected	150	µg/Kg, dry wt.	07/18/19	BD	
Surrogate Standards						
1,2-Dichloroethane-d4	92.3%	-	% Recovery	07/18/19	BD	
Toluene-d8	102%	-	% Recovery	07/18/19	BD	
4-Bromofluorobenzene	106%	-	% Recovery	07/18/19	BD	
continued						

Sample Description:		GP-3, 15-17.5', 11:52, 7/17/19				
Laboratory ID:	10655-9	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
PNAs						
Acenaphthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Acenaphthylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)anthracene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(b)fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(k)fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(g,h,i)perylene	736	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Benzo(a)pyrene	461	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Chrysene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Dibenz(a,h)anthracene	419	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluoranthene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Fluorene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Indeno(1,2,3-cd)pyrene	658	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
2-Methylnaphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Naphthalene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Phenanthrene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
ylene	Not Detected	330	µg/Kg, dry wt.	07/18/19	BD	I, M, J
Surrogate Standards						
Nitrobenzene-d5	50.6%	-	% Recovery	07/18/19	BD	
2-Fluorobiphenyl	46.4%	-	% Recovery	07/18/19	BD	
Terphenyl-d14	51.3%	-	% Recovery	07/18/19	BD	
PCBs						
Aroclor 1016	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1221	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1232	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1242	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1248	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1254	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Aroclor 1260	Not Detected	100	µg/Kg, dry wt.	07/18/19	DS	
Polychlorinated biphenyls (Total)	Not Detected	700	µg/Kg, dry wt.	07/18/19	DS	
Surrogate Standards						
Tetrachloro-m-xylene	112%	-	% Recovery	07/18/19	DS	
Decachlorobiphenyl	116%	-	% Recovery	07/18/19	DS	
continued						

Sample Description:		GP-3, 15-17.5', 11:52, 7/17/19				
Laboratory ID:	10655-9	Reporting Limit	Units of Measure	Date of Analysis	Analyst	Data Qualifiers
Michigan Metals						
Arsenic	3,080	100	µg/Kg, dry wt.	07/18/19	DS	
Barium	546,000	1,000	µg/Kg, dry wt.	07/19/19	DS	
Cadmium	12,100	200	µg/Kg, dry wt.	07/18/19	DS	
Chromium	41,200	2,000	µg/Kg, dry wt.	07/18/19	DS	
Copper	182,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Lead	289,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Mercury	Not Detected	50	µg/Kg, dry wt.	07/19/19	DS	
Selenium	296	200	µg/Kg, dry wt.	07/18/19	DS	
Silver	574	100	µg/Kg, dry wt.	07/18/19	DS	
Zinc	1,180,000	1,000	µg/Kg, dry wt.	07/18/19	DS	
Analysis Information						
Dry Weight Solids	88.7%	-	% by weight	07/18/19	KC	
PCB Extraction	Completed	-	-	07/18/19	KC	
PNA Extraction	Completed	-	-	07/18/19	KC	
Mercury Digestion	Completed	-	-	07/18/19	KC	
Metals Digestion	Completed	-	-	07/18/19	KC	

Quality Control

VOC Matrix Spike Data

Spiked Sample: 10655-6		Matrix: Soil		Units: ppb in extract				
Parameter	Sample Result	Spike Added	MS Result	MSD Result	MS % Rec.	MSD % Rec.	RPD	Data Qualifiers
1,1-Dichloroethene	0.0	25	16	16	64	64	0.0	
Benzene	0.0	25	22	22	88	88	0.0	
Trichloroethene	0.0	25	27	27	108	108	0.0	
Toluene	0.0	25	24	25	96	100	4.1	
Chlorobenzene	0.0	25	25	25	100	100	0.0	

PNA Matrix Spike Data

Spiked Sample: 10655-6		Matrix: Soil		Units: ppm in extract				
Parameter	Sample Result	Spike Added	MS Result	MSD Result	MS % Rec.	MSD % Rec.	RPD	Data Qualifiers
Acenaphthene	0.0	20	10	11	50	55	9.5	M
Phenanthrene	3.5	20	17	38	68	173	76.4	S, R, M
Fluoranthene	7.4	20	27	71	98	318	89.8	S, R, M
Pyrene	6.6	20	26	61	97	272	80.5	S, R, M
Chrysene	4.0	20	19	37	75	165	64.3	S, R, M

Metals Matrix Spike Data

Spiked Sample: 10655-6 or LCS		Matrix: Soil		Units: ppb in solution				
Parameter	Sample Result	Spike Added	MS Result	MSD Result	MS % Rec.	MSD % Rec.	RPD	Data Qualifiers
Arsenic	0.0	12.5	12.7	12.6	101	101	0.6	
Barium	0.0	100	82	92	82	92	11.9	
Cadmium	0.0	1.3	1.3	1.3	106	101	5.0	
Chromium	50.4	10	62.9	71.5	NC	NC	12.8	F
Copper	0.0	25	27.5	28.8	110	115	4.7	
Lead	39.1	25	70.0	119.4	124	321	52.2	S, R, M
Mercury	0.0	5.0	4.9	4.9	99	99	0.2	
Selenium	0.0	25	24.8	25.1	99	100	0.9	
Silver	0.0	5.0	3.6	3.6	71	73	1.9	
Zinc	0.0	500	547	529	109	106	3.3	

PCB Matrix Spike Data

Spiked Sample: 10649 LCS		Matrix: Soil		Units: ppm in extract				
Parameter	Sample Result	Spike Added	MS Result	MSD Result	MS % Rec.	MSD % Rec.	RPD	Data Qualifiers
Aroclor 1260	0.000	0.200	0.214	0.219	107	109	2.4	

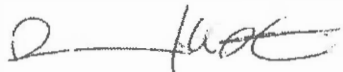
Case Narrative

All method protocols and quality control requirements were satisfied for all samples.

Notes

- (1) Quality Control Limits available upon request.
- (2) Results are applicable only to the sample tested.
- (3) All samples will be discarded after 30 days unless the laboratory receives other instructions.
- (4) Chain of Custody document attached.

QUANTUM LABORATORIES, INC.



David W. Starr
Analytical Chemistry Manager

Report Number: 10655

Report Date: July 19, 2019

Project Name: 41661 Plymouth Rd

Project Number: 19-3210

Page: 40 of 40

QUANTUM LABORATORIES, INC.
28221 Beck Road 1 Suite A-11
Wisconsin, MI 48393
248-348-TEST or 248-348 8378

Wisconsin's Best
Laboratory
National Council

WBEN
CURT NO 2005111506

CHAIN OF CUSTODY RECORD

CLIENT INFO	
COMPANY	Applied Biosystems
ADDRESS	200 N. Maple
CITY/STATE/ZIP	Ann Arbor, MI
TELEPHONE	
FAX	
CONTACT	Miss Caplan
ADDITIONAL PHONE	
EMAIL ADDRESS	ad@appliedbiosystems.com

* SAMPLE TYPE: S=Solid, W=Water, D=Drinking Water, Q=Quadrant, M=Mixed, V=Vapor, A-Air, U=Unknown or Other

** GRAB/COMP: G=Grab Sample, C=Composite Sample

PROJECT INFO		REPORT NO. (LAB USE)		10655		Page 1 of 1	
P.O. NUMBER		PROJECT NUMBER		19-3210			
PROJECT NAME		SAMPLING LOCATION		Plymouth, MI			
SAMPLES COLLECTED BY		TURN AROUND TIME		U Rush		W By Date: 7/20/19	
SPECIAL INSTRUCTIONS		ANALYSIS REQUESTED				REMARKS / PRESERVATIVES	
LAB USE		LINE NO		DATE SAMPLED		TIME SAMPLED	
1		1		7-17-19		11:45	
2		2		7-17-19		11:45	
3		3		7-17-19		11:45	
4		4		7-17-19		11:45	
5		5		7-17-19		11:45	
6		6		7-17-19		11:45	
7		7		7-17-19		11:45	
8		8		7-17-19		11:45	
9		9		7-17-19		11:45	
10		10		7-17-19		11:45	

RELINQUISHED BY	ACCEPTED BY	SAMPLE RECEIVED
1. [Signature]	1. [Signature]	1. [Signature]
2. [Signature]	2. [Signature]	2. [Signature]
3. [Signature]	3. [Signature]	3. [Signature]

Data Qualifiers: I Internal Standard results outside of acceptance limits
S QC spike recovery outside of acceptance limits
R RPD outside of acceptance limits

E Reporting limit is elevated
D Result is from a dilution
J Result should be considered estimated

M Matrix interference observed
F Matrix Spike four times rule applied
C See Case Narrative

APPENDIX F – Professional Qualifications



**APPLIED
ENVIRONMENTAL**
Partners in Down to Earth Solutions

Professional Qualifications

Jason Vertrees – Jason Vertrees is President and Owner of Applied Environmental and Senior Project Manager. Mr. Vertrees leads a professional staff with a vast and rich history of successfully completing environmental projects in each of our areas of service. Collectively, our personnel have performed hundreds of Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, and tank management projects; prepared Baseline Environmental Assessments; managed Superfund sites; written due care plans; and developed Environmental Management Programs.

Mr. Vertrees has more than 15 years in the environmental field. His organization has successfully serviced the environmental requirements of private business owners, State of Michigan, Army Corp of Engineers, governmental agencies, national retail developers, industrial corporations, banking organizations, private owners, and legal counsel.

His responsibilities include project management and evaluation of contaminated sites, development of assessment strategies, organization of field activities, interpretation of analytical results and evaluation of risk, and development of remedial and closure strategies.

Mr. Vertrees has a BS degree in Natural Resource Ecology and Management from the University of Michigan. His experience ranges from air quality emissions monitoring and testing, tank removal projects, soil remediation, and environmental site assessments. Specifically, Mr. Vertrees has performed and provided project management, support, and assistance for over 1000 Phase I Environmental Site Assessments, Phase II Environmental Site Investigations, Baseline Environmental Assessments, and tank pulls. Mr. Vertrees is a member of the Environmental Assessment Association and is certified as an Environmental Specialist. ASTM has trained him in the Phase I Environmental Risk Assessment process, Phase II Environmental Site Assessment Process, and Risk-Based Corrective Action Applied at Petroleum Release Sites. He has completed the Michigan Department of Environmental Quality, and the Part 201 Criteria Clean-up Training (2007). Mr. Vertrees has completed his 40-hour OSHA Training and yearly continuing 8-hour refresher courses.



**APPLIED
ENVIRONMENTAL**

Partners in Down to Earth Solutions

Mike Gatien – Principal at Applied Environmental. Mr. Gatien has a B.S. degree in Hydrogeology and is State of Michigan Certified Underground Storage Tank Professional. Mr. Gatien has 17 years of experience in the environmental industry performing Phase I and Phase II Environmental Site Assessments, Underground Storage Tank Closures, all aspects of Leaking Underground Storage activities and reporting, waste handling, Remedial Action Plans, Spill Prevention Control and Countermeasure Plans (SPCC), Pollution Incident Prevention Plans (PIPP), Hydrogeologic Pump Test Evaluation, Pilot Scale Infiltration Testing for community septic systems, and TRI and MEARS Reporting. Mr. Gatien is trained in ASTM Risk Based Corrective Action, State of Michigan Part 201 Corrective Action and MAERS, NIOSH 582, and has completed his 40-hour OSHA training. He is also a certified HAZWOPR Supervisor.

Megan Cynar – Senior Project Manager at Applied Environmental. Ms. Cynar has a B.S. degree in Environmental Studies and over 10 years of environmental consulting and due diligence experience including but not limited to Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, Baseline Environmental Assessments, Documentation of Due Care Compliance, Asbestos Surveys, Compliance Reviews, National Environmental Policy Act Reviews, Brownfield Redevelopment, Remediation Activities, and Grant Writing. Ms. Cynar is a Certified Hazardous Materials Manager (CHMM) and has also completed her 40-Hour OSHA HAZWOPR Certification and Michigan Asbestos Inspector Certification.

Jeff Tait – Senior Project Manager at Applied Environmental. Mr. Tait has received a certificate in Nuclear, Chemical and Biological Operations and Reconnaissance from the United States Army Chemical School. Mr. Tait has over 14 years of environmental experience performing and providing assistance and support for Phase I Environmental Site Assessments and Phase II Environmental Site Assessments, Baseline Environmental Assessments, Documentation of Due Care Compliance and Asbestos Surveys. Mr. Tait has completed his 40-hour OSHA Training and yearly continuing 8-hour refresher courses.

APPENDIX G – Phase I ESA



PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE

**Commercial Property
41661 Plymouth Road
Plymouth, Wayne County, Michigan 48170**

**AE Report No. 19-3210PI
July 19, 2019**

Prepared for:

**Ms. Hailey Jonna
Hillside Residence, LLC
2360 Orchard Lake Road
Sylvan Lake, Michigan 48320**

by:

Applied Environmental

1.0 INTRODUCTION	1
1.1 PURPOSE	1
1.2 SCOPE OF SERVICES.....	2
1.3 SIGNIFICANT ASSUMPTIONS	2
1.4 LIMITATIONS AND EXCEPTIONS.....	3
1.5 LIMITING CONDITIONS/DEVIATIONS	4
1.6 SPECIAL TERMS AND CONDITIONS.....	4
1.7 USER RELIANCE.....	4
2.0 SITE DESCRIPTION.....	5
2.1 LOCATION AND LEGAL DESCRIPTION	5
2.2 OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION	5
2.3 SITE AND VICINITY GENERAL CHARACTERISTICS.....	5
2.4 CURRENT USE OF THE PROPERTY.....	5
2.5 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SITE	6
2.6 CURRENT USES/OCCUPANTS OF THE ADJOINING PROPERTIES	6
3.0 USER PROVIDED INFORMATION.....	7
3.1 TITLE RECORDS	7
3.2 ENVIRONMENTAL LIENS OR ACTIVITY & USE LIMITATIONS	7
3.3 SPECIALIZED KNOWLEDGE OR EXPERIENCE OF THE USER.....	7
3.4 ACTUAL KNOWLEDGE OF THE USER	7
3.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION.....	7
3.6 VALUATION REDUCTION DUE TO CONTAMINATION	7
3.7 REASON FOR PERFORMING PHASE I ESA	7
3.8 OTHER INFORMATION.....	7
4.0 RECORDS REVIEW.....	8
4.1 STANDARD ENVIRONMENTAL RECORD SOURCES.....	8
4.1.14 BASELINE ENVIRONMENTAL ASSESSMENT (BEA) SITES	13
4.1.15 OTHER SITES.....	13
4.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES.....	14
4.3 PHYSICAL SETTING SOURCES	16
4.4 STANDARD HISTORICAL RECORD SOURCES.....	17
4.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES	19
5.0 SITE RECONNAISSANCE	20
5.1 METHODOLOGY AND LIMITING CONDITIONS	20
5.2 OBSERVATIONS	20
6.0 INTERVIEWS.....	23
6.1 INTERVIEW WITH OWNER.....	23
6.2 INTERVIEW WITH PROPERTY MANAGER	23
6.3 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS	23
7.0 EVALUATION	24
7.1 FINDINGS AND OPINIONS	24
7.2 CONCLUSIONS	25
7.3 ADDITIONAL INVESTIGATIONS	25
7.4 DATA GAPS.....	25
7.5 REFERENCES	26
7.6 ENVIRONMENTAL PROFESSIONAL STATEMENT	27
7.7 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS.....	27
8.0 NON-SCOPE SERVICES	27
9.0 APPENDICES	28



1.0 INTRODUCTION

1.1 Purpose

The purpose of this assessment is to identify the existence of recognized environmental conditions that may be associated with the subject property. A recognized environmental condition is defined as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment". The research conducted meets or exceeds the recognized technical and investigative practices for appropriate inquiry into the previous ownership and uses of the property as outlined in the ASTM E1527-13 Standard Practice. The site reconnaissance, research, interviews, and conclusions were all completed by, or under the direct supervision of, an Environmental Professional, as defined by the ASTM E1527-13 Standard Practice. Please refer to Appendix A for a limited Glossary of Terms used in the ASTM E1527-13 Standard Practice.

The ASTM Standard was developed by a joint committee of environmental, governmental, banking, and property owner interests, and is intended to satisfy one of the requirements necessary to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (i.e. Landowner Liability Protections [LLPs]). This practice constitutes all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice, as defined in 42 U.S.C. §9601(35)(B). The ASTM Standard also recognizes the use of the standard to evaluate business environmental risk, but acknowledges that additional investigation beyond this practice may be necessary to evaluate such risk.

1.2 Scope of Services

The results of this assessment are based on: visual observations made during the site reconnaissance; interviews with present and past owners, operators, and occupants; an interview with the key site manager; interviews with local government officials; review of available governmental records; review of standard historical record sources; review of a regulatory database report inclusive all standard environmental record sources; observation of current and past uses of adjoining and surrounding properties; and identification of nearby sites of known contamination and evaluation of their potential to impact the subject property.

Records reviewed during this assessment include, but were not limited to:

- Township Building Department records
- Township Fire Marshal records
- Township Tax Assessing records
- County Health Department records
- Regulatory Agency records
- Standard Environmental Record Sources
- Aerial Photographs
- City Directories
- Sanborn Fire Insurance Maps
- USGS Topographic Maps
- USDA SCS County Soil Survey

1.3 Significant Assumptions

There were no assumptions made while conducting this assessment that are considered to have made a significant impact on the determination of a recognized environmental condition in connection with the subject property.

1.4 Limitations and Exceptions

The results of this assessment of potential on-site environmental hazards are limited to conclusions supportable by information *reasonably ascertainable* and *practically reviewable*. The research of the property employed the methodologies identified in the ASTM E1527-13 Standard Practice, with no exceptions to the practice. The purpose of the practice is to define good commercial and customary practice in the United States of America for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). The intent of this report is to constitute all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined in CERCLA, 42 U.S.C. §9601(35)(B). An evaluation of *business environmental risk (BER)* may necessitate investigation beyond that identified in the practice. Environmental concerns that are beyond the scope of ASTM E1527-13 Standard Practice include, but are not limited to: *Asbestos Containing Building Materials, Lead-Based Paint, Lead in Drinking Water, Mold, Radon, Regulatory Compliance, and Wetlands*. These concerns may affect BER associated with the property and may warrant additional assessment; however, they are *non-scope considerations*. Any non-scope considerations agreed upon by Applied Environmental and the user are discussed in Section 8.0. Pursuant to ASTM E1527-13 Standard Practice, an environmental professional is not required to verify independently the information provided but may rely on information provided unless: he/she has actual knowledge that certain information is incorrect; it is obvious that certain information is incorrect; or unless it is obvious that certain information is incorrect based on other information obtained through the process of conducting the Phase I ESA.

This practice does not wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and this assessment was conducted within reasonable limits of time and cost described in the practice. This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiries provisions of the LLPs. Furthermore, this report does not intend to address all of the safety concerns, if any, associated with the subject property.

A Phase I ESA that meets or exceeds the standard practice and has been completed less than 180 days prior to the date of acquisition of the property or the date of the intended transaction is presumed to be valid. If the Phase I ESA was conducted or updated within one year prior to the date of acquisition of the property or the date of the intended transaction, it may be used provided certain components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction.

1.5 Limiting Conditions/Deviations

Applied Environmental has prepared this Phase I ESA report using reasonable efforts to identify RECs in connection to the subject property. The findings and conclusions of this Phase I ESA report contain all of the limitations inherent to methodologies referred to in ASTM E1527-13 Standard Practice.

A Commitment for Title Insurance has not been generated for the subject property; therefore, title records were not reviewed as part of this Phase I ESA. According to the ASTM E1527-13 Standard Practice, a search of title documents for recorded environmental cleanup liens should be completed within 180 days of the purchase or the date of the intended transaction.

There were no other limiting conditions encountered during the course of conducting this assessment, nor did the Environmental Professional(s) conducting the assessment deviate from the standard practice.

1.6 Special Terms and Conditions

There are no special terms or conditions for this assessment.

1.7 User Reliance

Applied Environmental was retained by Ms. Hailey Jonna of Hillside Residence, LLC to conduct this Phase I ESA. Hillside Residence, LLC, Hillside Residence II, LLC Jonna Properties, LLC, and Pillar Construction Co., LLC may rely on the results of this assessment for business decisions relating to the environmental condition of the subject property.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The subject property is located at 41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. The subject property is located on the south side of Plymouth Road, east of Edward Hines Drive. Please see Appendix B – Figure 1 – Site Location Map.

Parcel Identification Numbers:

R-78-029-99-0002-000

Legal Description:

26B1 THAT PART OF THE NE 1/4 OF SEC 26 DESC AS BEGINNING AT A PTE ON TH CL OF PLYMOUTH RD DIST N 73D 17M 40S W 262.43FT AND N 72D 29M 20S W 277.48FT FROM THE INTERSECTION OF SAID CL WITH THE E LINE OF SEC 26 AND PROCEEDING TH N 72D 29M 20S W ALONG SAID CL 479.85FT TH S 22D 19M 30S W 159.71FT TH S 49D 27M 20S E 558.64FT TH N 14D 30M 10S E 298.26FT TH N 72D 29M 20S W 1.0FT TH N 14D 30M 10S E 80.0 FT TO THE POB 3.06 AC K2.70.

2.2 Owner, Property Manager, and Occupant Information

Property Owner:

Hillside Inn

Property Manager:

None

Property Occupants:

Unoccupied former restaurant

2.3 Site and Vicinity General Characteristics

The subject property consists of 3.06 acres of land developed with a 16,391 square foot restaurant building. Asphalt paved parking areas are located south, east, and west of the structure. Surrounding properties include commercial and residential properties and Hines Park. Please see Appendix B – Figure 2 – Site Diagram.

2.4 Current Use of the Property

The subject property was unoccupied the day of the site reconnaissance.

2.5 Descriptions of Structures, Roads, Other Improvements on the Site

The subject property is serviced by: major roads, municipal water and sewer, natural gas and electricity. The site is developed with a 16,391 square foot restaurant building. The subject building consists of two stories with a basement. The interior of the subject building consists of kitchen space, several dining rooms, bar area, walk-in coolers, storage areas, utility rooms, common areas, and office space. According to Plymouth Township assessing records, the subject building was constructed in 1937 with an addition constructed in 1958.

2.6 Current Uses/Occupants of the Adjoining Properties

North:
Rental townhome complex and Hines Park
East:
35 th District Court House (660 Plymouth Rd.)
South:
The Middle Rouge River, beyond which is Hines Park
West:
The Middle Rouge River, followed by Edward Hines Drive, beyond which is Hines Park

3.0 USER PROVIDED INFORMATION

A copy of the User Responsibilities Checklist is included in Appendix C.

3.1 Title Records

A Commitment for Title Insurance has not been generated for the subject property; therefore, title records were not reviewed as part of this Phase I ESA. According to the ASTM E1527-13 Standard Practice, a search of title documents for recorded environmental cleanup liens should be completed within 180 days of the purchase or the date of the intended transaction.

3.2 Environmental Liens or Activity & Use Limitations

No environmental liens were reported by the user. No AULs were reported by the user or identified for the subject property in the Environmental Risk Information Service (ERIS) environmental database search report.

3.3 Specialized Knowledge or Experience of the User

No specialized knowledge was reported by the user.

3.4 Actual Knowledge of the User

No actual knowledge was reported by the user.

3.5 Commonly Known or Reasonably Ascertainable Information

No commonly known or reasonably ascertainable information within the local community about the subject property was reported by the user.

3.6 Valuation Reduction Due to Contamination

The user did not report the value of the subject property as being reduced due to environmental contamination and the user indicated they believe the purchase price reflects market value.

3.7 Reason for Performing Phase I ESA

The users of this Phase I ESA are Hillside Residence, LLC, Hillside Residence II, LLC, Jonna Properties, LLC, and Pillar Construction Co., LLC. This Phase I ESA is being completed to satisfy lending requirements and one of the requirements to qualify for landowner liability protections (LLPs) from the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

3.8 Previous Subsurface Assessment

The user provided Applied Environmental with a Geotechnical Investigation Report generated by G2 Consulting Group report date February 28, 2019.

According to the report, soils consisting of medium to stiff sandy clay and clayey silt with wood, metal, and miscellaneous debris underlay the pavement at the B-1 – B-10 geotechnical boring locations. An unidentified hydrocarbon odor was encountered at the B-2 and B-3 locations. Based on the hydrocarbon odors detected at B-2 and B-3 the potential exists that soil and/or groundwater at the site has been impacted as a result of the unidentified fill material.

4.0 RECORDS REVIEW

4.1 Standard Environmental Record Sources

The ASTM E1527-13 Standard Practice requires that government records searches be conducted based on the following approximate minimum search distances:

Federal NPL Site List	1.0 mile
Federal Delisted NPL Site List	0.5 mile
Federal CERCLIS List	0.5 mile
Federal CERCLIS NFRAP Site List	0.5 mile
Federal RCRA CORRACTS Facilities List	1.0 mile
Federal RCRA TSD Facilities List	0.5 mile
Federal RCRA Generators List	Subject & Adjoining Properties
Federal Institutional/Engineering Control Registries	Subject Property
Federal ERNS List	Subject Property
State and Tribal-Equivalent NPL	1.0 mile
State and Tribal-Equivalent CERCLIS	0.5 mile
State and Tribal Landfill and/or SWD Site Lists	0.5 mile
State and Tribal Leaking UST List	0.5 mile
State and Tribal Registered UST & AST List	Subject & Adjoining Properties
State and Tribal Institutional/Engineering Control Registries	Subject Property
State and Tribal Voluntary Cleanup Sites	0.5 mile
State and Tribal Brownfield Sites	0.5 mile

Environmental Risk Information Service (ERIS) is a company that provides access to all of the required databases and generates a report identifying listed sites or companies within each of the specified categories. This report is included in Appendix D – Environmental Database Report.

The subject property was listed as the following in the databases searched by ERIS.

- Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste
- SPILLS Site
- Waste site – For more information please see Section 4.2.1 below

The locations of all orphan (unmapped) sites were identified. Due to the distance of orphan sites from the subject property, they are considered a low environmental risk with respect to the subject property.

4.1.1 Federal CERCLIS

The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. No sites identified on the CERCLIS list occur within 0.5 mile of the subject property.

4.1.2 Federal NPL

The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. No site identified on the USEPA's National Priorities (Superfund) List occurs within 1.0 mile of the subject property.

4.1.3 Federal RCRA TSD Facilities List

This list identifies those facilities at which treatment, storage and/or disposal of hazardous waste takes place, as defined and regulated by the Resource Conservation and Recovery Act (RCRA). No site identified on the USEPA's Resource Conservation and Recovery Act (RCRA) Treatment, Storage and/or Disposal (TSD) Facilities list were reported within 0.5 mile of the subject property.

4.1.4 Federal RCRA Generators

The ASTM E1527-13 Standard Practice requires the identification of sites in this category if they are the subject property or an adjoining property. The subject property was identified as a Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste. No adjoining site was identified as a generator of hazardous waste.

EDR Map ID	Name	Location	Approximate distance and direction from subject property
1	Hillpointe Hospitality, Inc.	41661 Plymouth Rd.	Subject Property

The subject property is listed as a CESQG of hazardous waste. CESQGs generate 100 kilograms or less of hazardous waste per month, or 1 kilogram or less per month of acutely hazardous waste. As of May 2018, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID). This listing is considered a low environmental risk with respect to the subject property.

4.1.5 Federal ERNS List

The Emergency Response Notification System (ERNS) is a national database containing records since October 1986 of reported releases of oil and hazardous substances. It contains information from spill reports made to federal authorities, including the EPA, the US Coast Guard, the National Response Center and the Department of Transportation. The subject property is identified as a SPILLS site.

EDR Map ID	Name	Location	Approximate distance and direction from subject property
1	Hillpointe Hospitality, Inc.	41661 Plymouth Rd.	Subject Property

On May 20, 2005, a release of sanitary sewage was reported at the subject property. No other information was provided. Based on the material released (sewage) this listing is considered a low environmental risk.

4.1.6 Federal RCRA Corrective Actions (CORRACTS)

This database contains RCRA facilities that are undergoing corrective action due to a release of hazardous waste or constituents into the environment. The database is searched within an approximate minimum search distance of 1.0 mile from the subject property. One site was identified within the approximate minimum search distance.

EDR Map ID	Name	Location	Approximate distance and direction from subject property
64	Wolf Five, LLC	1000 General Dr.	0.98 mile south

Due to the distance of this CORRACTS site from the subject property it is considered a low environmental risk.

4.1.7 Federal NFRAP Sites

No Further Remedial Action Planned (NFRAP) sites are those where, after an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require NPL consideration or Federal Superfund action. The database is searched within an approximate minimum search distance of 1.0 mile from the subject property. No site was identified.

4.1.8 State & Tribal Solid Waste Disposal/Landfill

Solid Waste Facilities/Landfill Sites (SWF/LF) type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites. No site was identified in the SWF/LF database within an approximate minimum search distance of 0.5 mile from the subject property.

4.1.9 Registered Underground and Aboveground Storage Tanks

The ASTM E1527-13 Standard Practice requires the identification of sites in this category if they are the subject property or an adjoining property. Neither the subject property nor any adjoining site was identified as an AST or UST site.

4.1.10 State & Tribal List of Leaking Underground Storage Tanks (LUST)

The ASTM E1527-13 Standard Practice requires the identification of LUST sites on or within the approximate minimum search distance of 0.5 mile from the subject property. Six LUST sites were identified within the approximate minimum search distance of 0.5 mile from the subject property.

ERIS Map ID	Name	Location	Release Status	Approximate distance and direction from subject property
12	Burroughs Corp.	41100 Plymouth Rd.	Closed	0.35 mile east-southeast
16	Don's Auto Service Center (Former)	584 N Main St.	Open	0.38 mile west
17	Plymouth Fuel Stop, Inc.	402 N. Mill St.	Open	0.39 mile west-northwest
23	American Transmission	307 Starkweather St.	Closed	0.44 mile west
26	Eckles Oil Co.	870 York St.	Closed	0.46 mile north-northwest
31	GPS Coordinates	406 N. Main St.	Closed	0.47 mile west

Due to the distance of the listed LUST sites from the subject property and/or their closed release status they are considered low environmental risks with respect to the subject property.

4.1.11 State & Tribal-equivalent NPL & CERCLIS

State Hazardous Waste Site (SHWS) records are the states' equivalent to NPL and CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The ASTM Standard Practice requires the identification of SHWS that are located within the approximate minimum search distance of 1.0-mile from the subject property. Twenty-two SHWS were listed within the approximate minimum search distance of 1.0 mile from the subject property. The following one site was identified as a potential environmental concern identified within an approximate minimum search distance of 0.25 mile from the subject property.

ERIS Map ID	Name	Location	Approximate distance and direction from subject property
2	Hines & Plymouth Road Dump	Hines & Plymouth Rd.	Adjoining to the south, across the Middle Rouge River

The adjoining property to the south is listed as a SHWS. For more information please see Section 4.2.2 below

Due to the distance of the remaining listed SHWS from the subject property and/or their location down gradient from the site, they are considered low environmental risks with respect to the subject property.

4.1.12 State and Tribal Institutional/Engineering Control Registries

The ASTM Standard Practice requires the identification of State and Tribal Institutional/Engineering Controls if in place for the subject property. This is a listing of sites with institutional and/or engineering controls in place. The subject property was not listed in the AUL: Engineering and Institutional Controls database.

4.1.13 State and Tribal Brownfield Sites

The ASTM Standard Practice requires the identification of State and Tribal Brownfield sites that are located within an approximate minimum search distance of 0.5 mile from the subject property.

A Brownfield is a site of contamination or blight that has been redeveloped using grant funding, tax increment financing, special low interest loans, or similar government supported financing made available to promote restoration and reuse of contaminated or blighted properties. The database searched by ERIS is a listing of Brownfield building and land site locations.

Three Brownfield sites were identified within the approximate minimum search distance of 0.5 mile from the subject property. Please note property addresses or locations were listed several times.

EDR Map ID	Name	Location	Approximate distance and direction from subject property
4	LOC Performance Products	Haggerty and Plymouth Roads	0.16 mile east
21	Old Village # 1	860 York St.	0.42 mile northwest
25	Former Eckles Oil Site	850-870 York St.	0.45 mile north-northwest

Due to the distance of these Brownfield sites from the subject property, they are considered a low environmental risk with respect to the subject property.

4.1.14 Baseline Environmental Assessment (BEA) Sites

A BEA allows people to purchase or begin operating at a facility without being held liable for existing contamination. BEAs are used to gather enough information about the property being transferred so that existing contamination can be distinguished from any new releases that might occur after the new owner or operator takes over the property. Neither the subject property nor any adjoining site was identified as a BEA site.

4.1.15 Other Sites

The subject property and adjoining sites were not listed in any other databases searched by ERIS.

4.2 Additional Environmental Record Sources

4.2.1 MDEQ On-Line Databases

MDEQ Waste Data System

The subject property address was listed in the MDEQ on-line Waste Data System (WDS), as The Courthouse Grill #490051/MIK127447438, a generator of hazardous waste. NAICS Code: 722511 – Full Service Restaurants was assigned to the property address. No violations were reported for the site. This listing is considered a low environmental risk.

MDEQ and LARA Storage Tank Registration Data

The subject property address was not listed as a UST or LUST site in the MDEQ or LARA on-line Storage Tank Information database.

MDEQ Part 201 Inventory of Facilities

The subject property address was listed as a BEA site in the MDEQ on-line Inventory of Facilities.

MDEQ Perfected Lien List

The subject property address was not listed in the MDEQ Perfected Lien List.

4.2.1 MDEQ File Review Adjoining Property to the South

The adjoining property to the south, across The Middle Rouge River, is identified as a SHWS. The MDEQ provided a Brownfield Redevelopment Assessment Report generated by the MDEQ dated July 23, 2001 and MDEQ correspondence dated November 14, 2002. According to the documents, the site was used as a dump and waste consisting of broken glass and debris was evident along the banks of the river. The concern was that waste was pushed toward the river and may have an impact from waste migrating into the river. As part of the Brownfield Redevelopment Assessment (BFRA), six surficial soil samples, eight deep soil samples, two surface water samples, two sediment samples, and three groundwater samples were collected from the site. Analytical results from the surficial soil samples collected revealed concentrations of polynuclear aromatic hydrocarbons (PNAs), various phenols, and metals above the Part 201 Generic Residential Cleanup Criteria (GRCC). Analytical results from the deep soil samples revealed concentrations of aluminum, iron, and magnesium above the MDEQ Part 201 GRCC. Surface water samples were collected from ponded water located on the site. Analytical results revealed concentrations of aluminum, iron, lead, manganese, selenium, thallium, and vanadium that exceeded the GRCC.

Analytical results from sediment samples revealed concentrations of aluminum and iron above the GRCC. Groundwater samples collected from the site revealed the presence of aluminum, iron, manganese, nickel, and vanadium above the GRCC. Additionally, several volatile organic compounds (VOCs), PNAs, and phenols were detected above the GRCC. Conclusions of the BFRA state it would appear at a minimum surface contamination had occurred. Contamination appeared to be concentrated on the central portion of the site (south side of river). Elevated levels of aluminum and iron appeared to be naturally occurring. One soil sample collected directly down-gradient of an area of obvious dumping had several organic and inorganic compounds detected above the GRCC. Analysis of groundwater samples collected from the site indicated that groundwater had been impacted by organic and inorganic contaminants. Based on analytical results, the adjoining property to the south, across The Middle Rouge River, had been impacted as a result of a former dump. This site is located south of the subject property, across The Middle Rouge River, at an elevation that is approximately 35 feet lower than the subject property. Based on the location of this site down gradient from the subject property, across The Middle Rouge River, it's unlikely that contamination from this adjoining site had migrated onto the subject property. Based on the information provided, the former dump site located on the adjoining property to the south is a low environmental risk. For more information please see Appendix E.

4.3 Physical Setting Sources

A property's setting critically influences its potential to be contaminated from possible off-site and on-site sources and the probable extent and magnitude of the resulting contamination. Of particular importance in controlling potential contaminant sources, behavior, and transport characteristics are the geological, water setting, topographical, and land-use settings of the subject property.

4.3.1 Geologic and Water Setting

The geologic and water setting of a property defines many of the conditions governing potential transport of contaminants, if available, to or from the subject property. The subject property is located in an urban area. Inferred groundwater flow direction (discerned from surface topography) is to the west. No information was available for estimated depth to first groundwater.

4.3.2 Topography

Generally, the land surface in this area slopes to the south and west. The elevation of the subject property is approximately 695 feet above mean sea level, according to the Northville, Michigan 7.5-Minute Quadrangle.

4.3.3 Surface Water and Wetlands Setting

The subject property is adjoined to the west and south by the Middle Rouge River. No other surface water body was located within 0.5 mile of the subject property. No wetland characteristics were identified on the subject property.

4.3.4 Soil Characteristics

The U.S. Department of Agriculture Soil Conservation Service mapped soils in the area of the subject property as Wasepi-Gilford-Boyer association: nearly level to sloping, very poorly drained to somewhat poorly drained and well drained soils that have a coarse textured or moderately coarse textured subsoil.

4.4 Standard Historical Record Sources

The current and historical usage of the property was researched back to 1905. A summary of historical property usage is included below in section 4.4.6.

4.4.1 Aerial Photographs

The 2016, 2014, 2012, 2010, 2009, 2006, 2005, 1999, 1993, 1983, 1978, 1973, 1967, 1960, 1956, 1951, 1949 and 1937 aerial photographs of the subject property and surrounding area were provided by Environmental Data Resources (EDR). The 2016, 1983, 1951 and 1937 aerial photographs are included in Appendix B.

The aerial photographs were inspected for: property features and characteristics; low lying ponds, wetlands and lagoons; earth moving activities including mounding or excavation; and any signs of environmental contamination. Due to the scale of the photographs, it is difficult to discern specific site characteristics.

4.4.2 Building Department Records and Tax Assessing Files

Plymouth Township Building Department records and Tax Assessing files were reviewed for the subject property. Building permits and assessing records were reviewed for information regarding historical use and occupancy of the property, property improvements, and any environmental concerns, including underground storage tanks.

4.4.3 Fire Insurance Maps

Historically, Sanborn maps were created by the Sanborn Company for fire insurance purposes. These maps illustrated property structures, described property uses and occasionally showed underground storage tanks. Historical Sanborn fire insurance maps were not available for the subject property. Environmental Data Resources (EDR) Fire Insurance Maps Research Results is included in Appendix F.

4.4.4 City Directories

Applied Environmental was supplied with aerial photographs and city directory listings of the subject property area by HIG. Ann Arbor-Ypsilanti directories dated from 1967 through 2008 and a Wayne County West directory dated 2011 were reviewed at approximately 5-year intervals, subject to availability. The HIG Research Summary includes a copy of each city directory page reviewed with the publication name and date at the top of the page. The HIG Research Summary is included in Appendix G.

4.4.5 Historical Topographic Maps

The 2011, 1980, 1973, 1969, 1968, 1952, 1948, 1945, 1936, 1934, and 1905 historical topographic maps of the subject property and surrounding area were provided by EDR.

The historical topographic maps were inspected for: property features and characteristics and any features potentially indicative of environmental contamination. Due to the scale of the maps, it is difficult to discern specific site characteristics. The Historical Topographic Map Report is included in Appendix H.

4.4.6 Summary of Historical Usage

The historical uses of the subject property are summarized chronologically in the following table. First development of the property with a structure, if ever, is italicized. Due to the scale of the aerial photographs specific site characteristics were difficult to discern.

TABLE 1: SUMMARY OF HISTORICAL USAGE		
YEAR	INFORMATION ON USE	SOURCE
1890s	Subject property documented as being occupied by a farmhouse	The Courthouse Grille History Website page
1905 through 1952	Subject property appears to be undeveloped land. However, according to Plymouth Township assessing records the subject building was originally constructed in 1937 with an addition constructed in 1958.	Topographic Maps
<i>1937</i>	<i>Original portion of the subject building constructed.</i>	<i>Assessing Department</i>
1937	Subject property appears to be developed with a small building located on the northern portion of the site.	Aerial Photograph
1949 through 1951	A parking lot appears to have been constructed east of the subject building.	Aerial Photographs
1956	Additional parking areas appeared to have been developed south and west of the structure.	Aerial Photograph
1958	Addition constructed to the subject building.	Assessing Department
1958 through 1989	Various building department permits and inspections identify Hillside Inn as occupant.	Building Department
1960 through 2011	An addition appears to have been constructed to the subject building. Paved parking areas appear south, east and west of the structure. Subject property appears similar to what was observed the day of the site reconnaissance.	Aerial Photographs
1967 through 1973	Subject property listed as The Hillside Inn and The Lampost Gift Shop.	City Directories
1968 through 1980	Subject property appears to be developed with a commercial building.	Topographic Maps
1977	Subject property listed as the Hillside Inn.	City Directory

1983 through 1988	Subject property listed as The Hillside Inn and Bottom of the Hill.	City Directories
1992 through 2008	Building department permits identifies Ernestos as occupant	Building Department
1992 through 2008	Subject property listed as Ernestos as occupant.	City Directories
2011	Subject property listed as The Courthouse Grille.	City Directory
2011	Due to the scale of the topographic map specific site characteristics were unavailable.	Topographic Map
2018	Fire department inspection identifies The Courthouse Grille as occupant.	Fire Department

4.5 Historical Use Information on Adjoining Properties

4.5.1 Aerial Photographs

From 1937 through 1960, the adjoining property to the south, across The Middle Rouge River appears to consist of the current park. The remaining adjoining sites appear to be undeveloped land. By 1967, the adjoining property to the east appears to be utilized as a park consisting of several baseball fields. By 1983, the adjoining property to the east had been developed with a commercial building, parking areas, and a baseball field. By 2005, the current courthouse building had been developed on the adjoining property to the east. By 2016, the residential development located on the adjoining property to the north, across Plymouth Road, had been constructed.

4.5.2 Fire Insurance Maps

Historically, Sanborn maps were created by the Sanborn Company for fire insurance purposes. These maps illustrated property structures, described property uses and occasionally showed underground storage tanks. Sanborn Maps of the subject property and surrounding area are not available. ERIS Fire Insurance Maps Research Results is included in Appendix I.

4.5.3 City Directories

Based on the city directories reviewed, none of the properties listed along Plymouth Road in the vicinity of the subject property warrant any obvious environmental concern.

4.5.4 Historical Topographic Maps

All of the topographic maps dated between 1905 through 2011 depict adjoining sites as occupied by a park or as undeveloped land.

5.0 SITE RECONNAISSANCE

5.1 Methodology and Limiting Conditions

Mr. Jeff Tait, Environmental Professional (EP) with Applied Environmental, conducted a site reconnaissance at the subject property. The property was evaluated for indications of soil staining, vegetative stress, sheens, odors, lagoons, trenches, and intrusions that might indicate on-site contamination. A site reconnaissance checklist is included in Appendix I.

The site reconnaissance concentrated on a visual survey for potential indicators of onsite contamination, a review of onsite materials and activities that potentially could produce such contamination, and an evaluation of potential offsite impacts to the subject originating from adjoining properties. A photo log is included in Appendix J.

5.2 Observations

5.2.1 Hazardous Substances and Petroleum Products

The EP conducting the site reconnaissance did not observe hazardous substances or petroleum products at the subject property.

5.2.2 Hazardous and Non-Hazardous Waste

The EP conducting the site reconnaissance did not observe hazardous or non-hazardous waste at the subject property, except for general refuse.

5.2.3 Storage Tanks

The EP conducting the site reconnaissance did not observe evidence of current or former UST systems (e.g. vent pipes, fill ports, dispensing pumps, patched pavement) at the subject property.

Applied Environmental did not observe other evidence of current or former AST systems at the subject property.

5.2.4 Unidentified Substance/Containers

The EP conducting the site reconnaissance did not observe evidence of unidentified substances or other suspect containers on the subject property.

5.2.5 Potential PCB Containing Equipment

The subject property was observed for the presence of liquid-cooled electrical units such as transformers and large capacitors. These units are notable since they may be potential sources of polychlorinated biphenyls (PCBs). The EP conducting the site reconnaissance did not observe suspect PCB containing equipment at the subject property, except for one pole mounted transformer located on the southern portion of the site. No staining or evidence of a release was noted in regards to the transformer. The transformer is the property of the utility company that owns it.

5.2.6 Interior Stains/Corrosion

No staining or evidence of corrosion was observed within the subject buildings.

5.2.7 Heating and Cooling

Heat is provided to the subject building via several roof-top mounted natural gas fired furnaces.

5.2.8 Drains and Sumps

Floor drains were observed within the kitchen space and within the basement. No chemical storage or evidence of a release was observed on the concrete or tiled floor in the vicinity of the drains.

5.2.9 Pits, Ponds, and Lagoons

The EP conducting the site reconnaissance did not observe any evidence of pits, ponds, or lagoons on the subject property.

5.2.10 Stained Soil or Pavement

The EP conducting the site reconnaissance did not observe evidence of stained soil or stained pavement at the subject property.

5.2.11 Stressed Vegetation

The EP conducting the site reconnaissance did not observe stressed vegetation at the subject property.

5.2.12 Solid Waste Dumping/Landfilling

The EP conducting the site reconnaissance did not observe evidence of solid waste dumping or landfilling at the subject property.

5.2.13 Wastewater/Storm Water

The EP conducting the site reconnaissance did not observe, nor was informed of, wastewater discharges at the subject property.

Storm water that falls upon the subject property appears to drain via sheet drainage and follows the natural contours of the site.

5.2.14 Well and Septic System

The EP conducting the site reconnaissance did not observe evidence or indication of wells or septic systems at the subject property. The subject property is serviced by municipal water and sewer.

5.2.15 Other Observations

The EP conducting the site reconnaissance did not observe evidence of other potential environmental concerns at the subject property.

6.0 INTERVIEWS

6.1 Interview with Owner

<p>Mr. Sam Messina Owner The Courthouse Grille</p>	<p>As part of the Phase I ESA conducted in 2018 Mr. Tait interviewed Mr. Messina the day of the site reconnaissance. According to Mr. Messina, he has owned the subject property since 1983. Mr. Messina stated the subject building has always been utilized as a restaurant. Mr. Messina indicated that no chemical storage or waste generation takes place at the subject property. Mr. Messina had no knowledge of any current or former USTs or releases or spills of hazardous substances or petroleum products at the site. Mr. Messina was unaware of any environmental concerns associated with the subject property.</p>
--	--

6.2 Interview with Property Manager

See Section 6.1 above.

6.3 Interviews with Local Government Officials

6.3.1 County Health Department

<p>Wayne County Department of Public Services 734-326-3936</p>	<p>The Wayne County Department of Public Services (WCDPS) was contacted for information regarding the subject property, via a written Freedom of Information Act (FOIA) request. According to the response received from the WCDPS, no records were available for the subject property addresses.</p>
--	---

6.3.2 Fire Department

<p>Plymouth Township Fire Department</p>	<p>The Plymouth Township Fire Department was contacted for information regarding the subject property, via a written FOIA request. Records reviewed are summarized in Section 4.4.6 above.</p>
--	--

All documentation relating to local records reviewed is included in Appendix K.

7.0 EVALUATION

The assessment results are limited to conditions visible during the site reconnaissance and *reasonably ascertainable* and *practically reviewable* recorded information. In the best professional opinion of Applied Environmental the scope of this assessment was sufficient to determine the probability of on-site contamination given the nature and specific circumstances of the site.

The following environmental characteristics were identified in relation to the subject property.

7.1 Findings and Opinions

Finding 1:

The adjoining property to the south, across The Middle Rouge River, is identified as a SHWS.

Opinion 1:

The adjoining property to the south, across The Middle Rouge River, is identified as a SHWS. According to the information provided, this adjoining site was utilized as a former dump. Soil, sediment, and groundwater samples were collected from the site in 2001. Based on analytical results from the investigation, soil and groundwater had been impacted at the property as a result of the former dump. However, this site is located south of the subject property, across The Middle Rouge River, at an elevation that is approximately 35 feet lower than the subject property. Based on the location of this site down gradient from the subject property, across The Middle Rouge River, it's unlikely that contamination from this adjoining site had migrated onto the subject property. Based on the information provided, the former dump site located on the adjoining property to the south is a low environmental risk.

Finding 2:

The user provided Applied Environmental with a Geotechnical Report dated February 28, 2019.

Opinion 2:

According to the report, soils consisting of medium to stiff sandy clay and clayey silt with wood, metal, and miscellaneous debris underlay the pavement at the B-1 – B-10 geotechnical boring locations. An unidentified hydrocarbon odor was encountered at the B-2 and B-3 locations. Based on the hydrocarbon odors detected at B-2 and B-3 the potential exists that soil and/or groundwater at the site has been impacted as a result of the unidentified fill material.

Finding 3:

The subject property was developed with the original portion of the subject building in 1937. The potential exists that fuel oil was utilized to heat the structure.

Opinion 3:

The subject property was developed with the original portion of the subject building in 1937. The potential exists that fuel oil was historically used on the subject property to heat the former structure. If fuel oil was historically utilized on the subject property to heat the former structure, it was potentially stored in either an AST or UST. Please note that Applied Environmental personnel did not review any records that indicate heating oil use at the subject property.

7.2 Conclusions

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527-13 of the property located at 41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of any recognized environmental conditions (RECs) in connection with the property, except for the following.

REC 1:

According to a geotechnical investigation report generated for the subject property report date February 28, 2019, soils consisting of medium to stiff sandy clay and clayey silt with wood, metal, and miscellaneous debris underlay the pavement at the B-1 – B-10 geotechnical boring locations. An unidentified hydrocarbon odor was encountered at the B-2 and B-3 locations. Based on the hydrocarbon odors detected at B-2 and B-3 the potential exists that soil and/or groundwater at the site has been impacted as a result of the unidentified fill material. The unidentified fill material and the hydrocarbon odors detected in onsite soils are a REC.

7.3 Additional Investigations

No additional investigations beyond the scope of ASTM Standard Practice E1527-13 were performed as part of this assessment.

7.4 Data Gaps

There were no significant data gaps encountered through conducting this Phase I ESA.

7.5 References

ASTM International, Designation: E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. November 2013.

Brownfield Redevelopment Assessment Report generated by the MDEQ dated July 23, 2001 and MDEQ correspondence dated November 14, 2002 for the Property Located at Hines Road and Plymouth Road (adjoining the subject property to the south).

G2 Consulting Group Geotechnical Investigation for 41661 Plymouth Road, Plymouth, Wayne County, Michigan 48170. G2 Project Number 180734. February 28, 2019.

U.S. Department of Agriculture, Soil Conservation Service. Soil Survey of Wayne County, Michigan. Issued September 1971.

7.6 Environmental Professional Statement

Applied Environmental prepared this report. The results of this assessment of potential on-site environmental hazards are limited to conclusions supportable by information reasonably ascertainable and practically reviewable. This report was prepared for Hillside Residence, LLC, Hillside Residence II, LLC, Jonna Properties, LLC, and Pillar Construction Co., LLC and is intended solely for their use as it relates to business decisions regarding environmental conditions of the property at the time of the site reconnaissance. Applied Environmental makes no representations to any other person or entity regarding the condition of the property. Applied Environmental makes no representations regarding the environmental conditions of this property other than those conclusions explicitly stated in this report.

For those identified below as "Environmental Professionals", we declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part §312.

Respectfully,

Date: July 19, 2019

APPLIED ENVIRONMENTAL



Jason Vertrees, President
Environmental Professional



Jeff Tait, Senior Project Manager
Environmental Professional

7.7 Qualifications of Environmental Professionals

The resumes of the environmental professionals are included in Appendix L.

8.0 Non-Scope Services

Applied Environmental did not assess any non-scope considerations in connection with this practice.

9.0 Appendices

APPENDIX A: GLOSSARY OF TERMS

APPENDIX B: FIGURES

Figure 1: Site Location Map

Figure 2: Site Diagram

Figure 3: 2016 Aerial Photograph

Figure 4: 1983 Aerial Photograph

Figure 5: 1951 Aerial Photograph

Figure 6: 1937 Aerial Photograph

APPENDIX C: USER PROVIDED INFORMATION

APPENDIX D: ENVIRONMENTAL DATABASE REPORT

APPENDIX E: MDEQ FILE REVIEW

APPENDIX F: HISTORICAL FIRE INSURANCE MAP REPORT

APPENDIX G: ERIS CITY DIRECTORY IMAGE REPORT

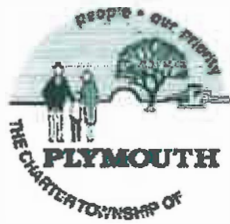
APPENDIX H: ERIS HISTORICAL TOPOGRAPHIC MAP REPORT

APPENDIX I: SITE RECONNAISSANCE CHECKLIST

APPENDIX J: PHOTO LOG

APPENDIX K: LOCAL RECORDS REVIEW

APPENDIX L: PROFESSIONAL QUALIFICATIONS



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Request to Consider a Second, Six-Month Extension Request for the Hillside Residences PUD, Resolution #2020-07-14-64

PRESENTER: Laura Haw, AICP, NCI, Township Planner, McKenna
Representatives from Jonna Properties (applicant)

BACKGROUND:

The applicant, Jonna Properties, LLC, is requesting a *second, six-month extension* for a Planned Unit Development (PUD), known as Hillside Residences, to construct two, five-story residential structures at 41661 Plymouth Road (formerly Courthouse Grille). The requested extension would grant the applicant an additional six-months to finalize the General Development Plan and PUD Contract for Township review.

Enclosed, please find a status update letter from Jonna Properties, LLC outlining a timeline of activities since the last extension.

As a PUD, the Township Zoning Ordinance prescribes that extensions may be granted by the Township Board upon written request of the applicant and upon showing of good faith and effort by the applicant.

Regarding the cited environmental contamination, the applicant has approached the Township regarding a Brownfield Plan. At their June 8, 2020, the Brownfield Redevelopment Authority (BRA) recommended the Board of Trustees consider the proposed Brownfield Plan, with conditions.

SECOND EXTENSION REQUEST

The Board of Trustees granted a six-month extension for application #2306-0918, Hillside Residences on February 11, 2020. This extension expires on August 11, 2020.

A second, six-month extension would allow the applicant to return to the Planning Commission for final development plan review on August 19, 2020 and to finalize their Planned Unit Development Agreement with the Board at a future meeting.

ACTION REQUESTED:

The Township Zoning Ordinance prescribes the Board of Trustees to grant such an extension upon showing of good faith and effort by the applicant. As a key component of the site's PUD Option approval, it is recommended that a showing of good faith would include the donation and framing of the requested art pieces to the Township and the removal and transfer of the requested historic pieces to the Plymouth Preservation Network (PPN) by August 31, 2020.

Notwithstanding any other comments by the Board or public, it is recommended that the Board of Trustees consider and approve a second, and final, six-month extension for application #2306-0918, Hillside Residences PUD, with the conditions that the framing and transfer of the requested art pieces to the Township and the removal and transfer of the requested historic pieces to the Plymouth Preservation Network (PPN) are completed by August 31, 2020, as noted in the enclosed resolution.

PROPOSED MOTION:

I move to adopt Resolution #2020-07-14-64 authorizing a second, and final, six-month extension to application #2306-0918 for the Hillside Residences PUD project.

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 GRANT A SECOND AND FINAL EXTENSION REQUEST
FOR THE HILLSIDE RESIDENCES PLANNED UNIT DEVELOPMENT (PUD)**

RESOLUTION #2020-07-14-64

At a regular meeting of the Charter Township of Plymouth Board of Trustees (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, Michigan on July 14, 2020, the following resolution was offered:

WHEREAS, the applicant of 41661 Plymouth Road (parcel ID: R-78-029-99-0002-000), Jonna Properties, LLC, has requested a second, six-month extension to finalize the Hillside Residences General Development Plan and PUD Contract for Township review and consideration, as documented in their letter to the Township; and,

WHEREAS, the Board of Trustees has, upon written request of the applicant and upon showing of good faith and effort by the applicant, the ability to grant up to a one-year extension per the Township Zoning Ordinance; and,

WHEREAS, the Township Board of Trustees considered the first extension request at their February 11, 2020 meeting and granted, with conditions, a six-month extension; and,

WHEREAS, as an act of showing good faith, the applicant will frame and transfer the requested art pieces to Township Hall and remove and transfer the requested historic pieces to the Plymouth Preservation Network (PPN), no later than August 31, 2020; and,

NOW, THEREFORE, BE IT RESOLVED that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution #2020-07-14-64 granting a second, and final, six-month extension request to application #2306-0918, Hillside Residences Planned Unit Development to expire on January 11, 2021.

Motion By: _____ **Seconded By:** _____

Roll Call:

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

MOTION CARRIED _____ **MOTION DEFEATED** _____

Adopted: Regular Meeting of the Board of Trustees on _____

 Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

 Jerry Vorva, Clerk
 Charter Township of Plymouth

 Date

Resolution: 2020-_____



Haley Jonna
248-762-2230
haley@jonnaproperties.com

Jonna Properties, LLC
2360 Orchard Lk, Rd., Ste. 110
Sylvan Lake, MI 48320

June 10, 2020

RE: Tentative Site Plan Approval for the Development of the Hillside Residence Apartments located at 41661 Plymouth Road, Plymouth Township, MI 48170 (the "Project")

Dear Planning Commission:

We are the developers of the above-referenced apartment Project, Hillside Residence. Tentative Site Plan Approval for the Project was granted on January 16, 2019. On February 11, 2020, a 6-month extension, with a 3-month progress report was granted by the Board of Trustees. At that point, we intended to finalize the brownfield plan to be able to come back before the Planning Commission for final site plan approval. Here is a summary of the activities that occurred since February 11, 2020.

- On February 15, 2020, we submitted an updated spreadsheet with potentially eligible brownfield costs, including the costs for the special foundations. At this point, the Brownfield Plan was complete and ready to submit once the numbers were finalized.
- On February 20, 2020, the Planning Director requested additional information prior to scheduling a meeting to review the plan, including a table that distinguishes normal from extraordinary costs, and a Geotech report and map that shows where subgrade debris areas are relative to the proposed building and site.
- On March 9, we submitted updated costs and an updated list of eligible activities with comparison to normal costs.
- On March 12, 2020, we paid a \$3,000 escrow for the Township engineering consultants review of the Brownfield Plan. Also, on March 12, we learned that the Brownfield Redevelopment meeting would be postponed to April due to COVID-19. It was subsequently postponed to May, and then finally was able to occur on June 8, 2020. The Brownfield team and the Planning Department continued to work through the plan and discuss the numbers during this time.
- The Brownfield Redevelopment Authority approved the Brownfield Plan on June 8. The application will be heard by the Board of Trustees at the July 14 meeting.

Please call or email with any questions.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Haley Jonna', written in a cursive style.

Haley A. Jonna



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: General Technology Ventures Request for Vacation of Existing Public Utility Easement, **Resolution #2020-07-14-65**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

General Technology Ventures LLC has requested a recorded water main easement be permanently partially vacated as the easement will be replaced with a new water main easement to cover the existing water main and the relocated water main.

ACTION REQUESTED:

Approve the enclosed resolution approving and authorizing the recording of the vacated easement.

PROPOSED MOTION: Move to adopt **Resolution #2020-07-14-65** authorizing the Township to approve and record the vacated water main easement located at 78-062-01-0019-305, vacant land.

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

**RESOLUTION TO AUTHORIZE THE VACATION OF A RECORDED WATER MAIN
EASEMENT
FOR GENERAL TECHNOLOGY VENTURES LLC**

RESOLUTION #2020-07-14-65

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on July 14, 2020, the following resolution was offered:

WHEREAS, General Technology Ventures LLC, located at 26640 Harding Ave, Oak Park, Michigan has requested vacation of a recorded water main easement that will be replaced by a new easement to cover existing water main and the relocated water main and,

WHEREAS, said water main is a public water main and will remain as existing;

NOW, THEREFORE, BE IT RESOLVED that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2020-07-14-65** authorizing the vacation of easement for the water main located on the property at 78-062-01-0019-30, vacant land, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Adopted: Regular Meeting of the Board of Trustees on _____

 Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

 Jerry Vorva, Clerk
 Charter Township of Plymouth

 Date

Resolution: 2020-_____

General Technology Ventures, LLC

26640 Harding Ave
Oak Park, Michigan
Telephone: 248-919-8001

May 20, 2020

Plymouth Twp Clerk
9955 N Haggerty Rd.
Plymouth, MI 48170

Re: General Technology Ventures, LLC

Dear Sir/Madam:

General Technology Ventures, LLC ("GTV") is the owner of certain vacant real property in Plymouth Township whose Parcel ID No. is 78-062-01-0019-305. On behalf of GTV, we hereby request that the 12 foot Water Main easement ("Grant Easement") that GTV's predecessor in title granted to Plymouth Twp on April 22, 197, (recorded on such date in the Wayne County Register of Deeds at Liber 23323, Page 732) be partially vacated as those areas of the Grant Easement and right-of-way described on Exhibits A and B attached hereto, without prejudice, however, to the continuing right of ingress and egress of the City to its remaining rights under the Grant Easement and to all lands described more particularly on the attached Exhibit C.

The purpose of this request is enable GTV build a building upon the property over an area which is currently subject to the Grant Easement.

Very truly yours,
General Technology Ventures, LLC


Eugene Sherizen, Manager

ES/
Enclosure
Cc: Noel Santos
Paul Modi

RECEIVED

MAY 27 2020

PLYMOUTH TWP
CLERK'S OFFICE

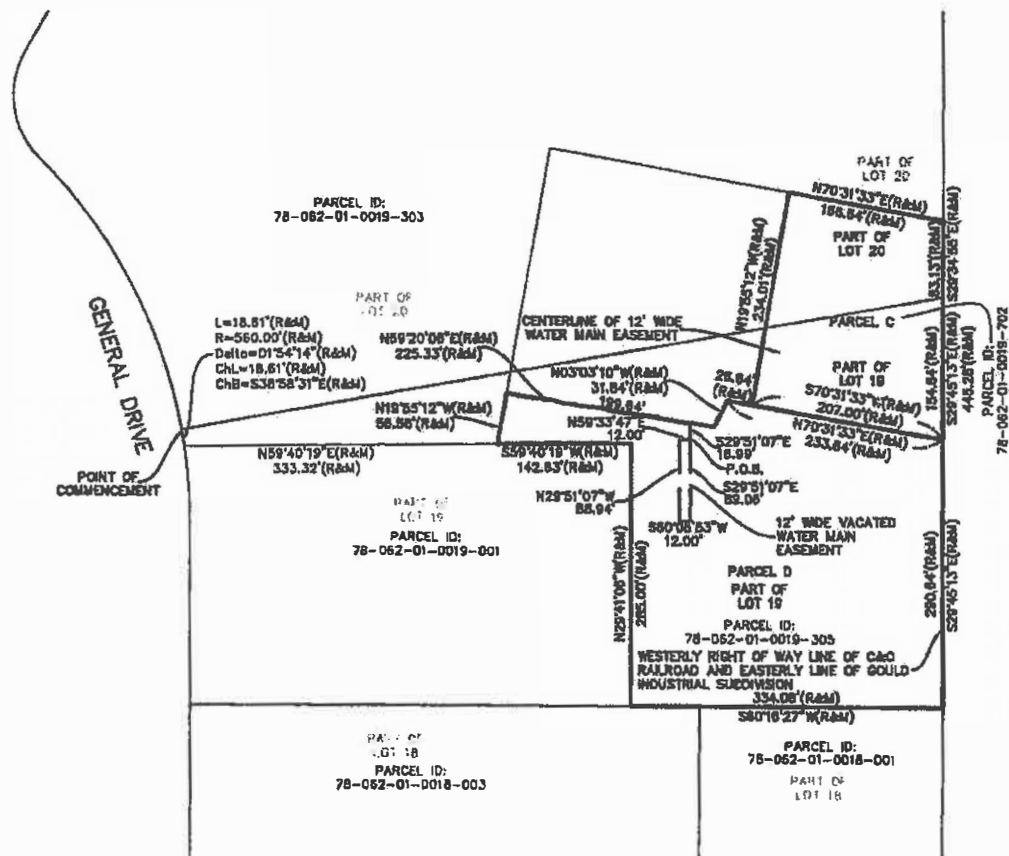
EXHIBIT A



PROPERTY DESCRIPTION:
SEE SHEET 2 OF 2

EASEMENT DESCRIPTION:
SEE SHEET 2 OF 2

SCALE: 1"=150'



**PROFESSIONAL ENGINEERING,
SURVEYING & ENVIRONMENTAL
SERVICES**

A GROUP OF COMPANIES

Eastpointe

Detroit

Ann Arbor

Grand Blanc

FAX: (585) 772.4048 FAX: (585) 772.4048 FAX: (734) 994.0667 FAX: (810) 694.9955

www.kemtecagroupofcompanies.com

PREPARED FOR: DESIGNHAUS ARCHITECTURE

FIELD SURVEY: N/A

DATE: MAY 6, 2020

DRAWN BY: RCE

SHEET: 1 OF 2
JOB NO.: 19-01024

EXHIBIT A**PROPERTY DESCRIPTION:**

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

COMBINED PARCEL:

PART OF LOT 19 AND 20 OF GOULD INDUSTRIAL PARK SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS AND BEING MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE WESTERLY CORNER OF SAID LOT 19; THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE), RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST 18.61 FEET; THENCE NORTH 69 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET TO THE POINT OF BEGINNING; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 225.33 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 26.64 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 234.01 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 166.64 FEET TO THE WESTERLY RIGHT OF WAY LINE OF C AND O RAILROAD (100 FEET WIDE) AND THE EASTERLY LINE OF SAID GOULD INDUSTRIAL PARK; THENCE SOUTH 29 DEGREES 34 MINUTES 55 SECONDS EAST ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 83.13 FEET (SOUTH 29 DEGREES 44 MINUTES 35 SECONDS EAST 83.08 FEET RECORDED); THENCE SOUTH 28 DEGREES 45 MINUTES 13 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 445.28 FEET; THENCE SOUTH 60 DEGREES 16 MINUTES 27 SECONDS WEST 334.08 FEET; THENCE NORTH 29 DEGREES 41 MINUTES 08 SECONDS WEST 285.00 FEET; THENCE SOUTH 59 DEGREES 40 MINUTES 19 SECONDS WEST 142.63 FEET TO THE POINT OF BEGINNING, CONTAINING 3.53 ACRES, SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD, IF ANY.

PARCEL C:

PART OF LOT 19 AND LOT 20 OF GOULD INDUSTRIAL PARK A SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE WESTERLY CORNER OF SAID LOT 19, THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE) RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST; THENCE NORTH 69 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST, 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST, 225.33 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 26.64 FEET TO THE POINT OF BEGINNING; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 234.01 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 166.64 FEET TO THE WESTERLY RIGHT OF WAY LINE OF C AND O RAILROAD (100 FEET WIDE) AND THE EASTERLY LINE OF SAID GOULD INDUSTRIAL PARK; THENCE SOUTH 29 DEGREES 34 MINUTES 55 SECONDS EAST ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 83.13 FEET (SOUTH 29 DEGREES 44 MINUTES 35 SECONDS EAST 83.08 FEET RECORDED); THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY AND EASTERLY LINE OF SAID SUBDIVISION, 154.64 FEET; THENCE SOUTH 70 DEGREES 31 MINUTES 33 SECONDS WEST 207.00 FEET TO THE POINT OF BEGINNING.

PARCEL D:

PART OF LOT 19 OF GOULD INDUSTRIAL PARK A SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF LOT 19 (PER TITLE WORK, MEASURED AS NORTHEAST CORNER OF LOT 19), THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST 290.64 FEET, THENCE SOUTH 60 DEGREES 16 MINUTES 27 SECONDS WEST 334.08 FEET, THENCE NORTH 29 DEGREES 41 MINUTES 08 SECONDS WEST 285 FEET, THENCE SOUTH 59 DEGREES 40 MINUTES 19 SECONDS WEST 142.63 FEET, THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET, THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 225.33 FEET, THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET, THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST, 233.64 FEET TO POINT OF BEGINNING.

EASEMENT DESCRIPTION:

PART OF LOT 19 AND 20 GOULD INDUSTRIAL PARK SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS AND BEING MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE WESTERLY CORNER OF SAID LOT 19; THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE), RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST 18.61 FEET; THENCE NORTH 69 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 199.64 FEET; THENCE SOUTH 29 DEGREES 51 MINUTES 07 SECONDS EAST 16.99 FEET TO THE POINT OF BEGINNING OF 12 FOOT WIDE VACATED WATER MAIN EASEMENT; THENCE CONTINUING SOUTH 29 DEGREES 51 MINUTES 07 SECONDS EAST 88.06 FEET; THENCE SOUTH 60 DEGREES 08 MINUTES 53 SECONDS WEST 12.00 FEET; THENCE NORTH 29 DEGREES 51 MINUTES 07 SECONDS WEST 88.94 FEET; THENCE NORTH 59 DEGREES 33 MINUTES 47 SECONDS EAST 12.00 FEET TO THE POINT OF BEGINNING.



PROFESSIONAL ENGINEERING,
SURVEYING & ENVIRONMENTAL
SERVICES

A GROUP OF COMPANIES

Eastpointe Detroit Ann Arbor Grand Blanc
(800) 295.7222 (313) 758.0677 (734) 994.0888 (888) 694.0001
FAX: (585) 772.1048 FAX: (585) 772.4048 FAX: (734) 994.0667 FAX: (810) 694.9955

www.kemtecagroupofcompanies.com

PREPARED FOR: DESIGNHAUS ARCHITECTURE

FIELD SURVEY: N/A

DATE: MAY 6, 2020

DRAWN BY: RCE

SHEET: 2 OF 2

SCALE: N/A

JOB NO.: 19-01024

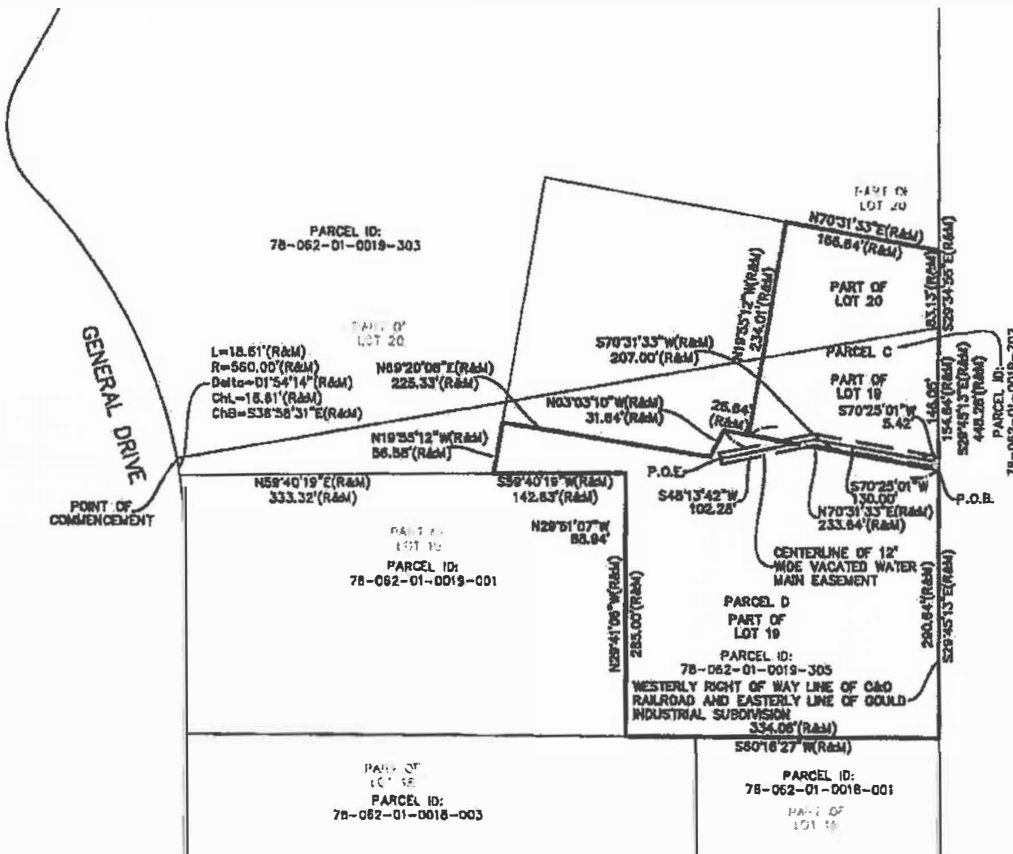
EXHIBIT B

PROPERTY DESCRIPTION:
SEE SHEET 2 OF 2

EASEMENT DESCRIPTION:
SEE SHEET 2 OF 2



SCALE: 1"=150'



PROFESSIONAL ENGINEERING,
SURVEYING & ENVIRONMENTAL
SERVICES

A GROUP OF COMPANIES

Eastpointe Detroit Ann Arbor Grand Blanc
(800) 295.7222 (313) 758.0677 (734) 894.0888 (888) 694.0001
FAX: (586) 772.4048 FAX: (586) 772.4048 FAX: (734) 994.0687 FAX: (810) 694.9855
www.kemtacagroupofcompanies.com

PREPARED FOR: DESIGNHAUS ARCHITECTURE

FIELD SURVEY: N/A

DATE: MAY 6, 2020

DRAWN BY: RCE

SHEET: 1 OF 2

SCALE: 1" = 150'

JOB NO.: 19-01024

EXHIBIT B**PROPERTY DESCRIPTION:**

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

COMBINED PARCEL:

PART OF LOT 19 AND 20 OF GOULD INDUSTRIAL PARK SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS AND BEING MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE WESTERLY CORNER OF SAID LOT 19; THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE), RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST 18.61 FEET; THENCE NORTH 59 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET TO THE POINT OF BEGINNING; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 225.33 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 26.64 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 234.01 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 166.64 FEET TO THE WESTERLY RIGHT OF WAY LINE OF C AND O RAILROAD (100 FEET WIDE) AND THE EASTERLY LINE OF SAID GOULD INDUSTRIAL PARK; THENCE SOUTH 29 DEGREES 34 MINUTES 55 SECONDS EAST ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 83.13 FEET (SOUTH 29 DEGREES 44 MINUTES 35 SECONDS EAST 83.06 FEET RECORDED); THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 445.28 FEET; THENCE SOUTH 60 DEGREES 16 MINUTES 27 SECONDS WEST 334.08 FEET; THENCE NORTH 29 DEGREES 41 MINUTES 06 SECONDS WEST 285.00 FEET; THENCE SOUTH 59 DEGREES 40 MINUTES 19 SECONDS WEST 142.63 FEET TO THE POINT OF BEGINNING, CONTAINING 3.53 ACRES, SUBJECT TO EASEMENTS AND RESTRICTIONS OF RECORD, IF ANY.

PARCEL C:

PART OF LOT 19 AND LOT 20 OF GOULD INDUSTRIAL PARK A SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE WESTERLY CORNER OF SAID LOT 19, THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE) RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST; THENCE NORTH 59 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST, 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST, 225.33 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 26.64 FEET TO THE POINT OF BEGINNING; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 234.01 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 166.64 FEET TO THE WESTERLY RIGHT OF WAY LINE OF C AND O RAILROAD (100 FEET WIDE) AND THE EASTERLY LINE OF SAID GOULD INDUSTRIAL PARK; THENCE SOUTH 29 DEGREES 34 MINUTES 55 SECONDS EAST ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 83.13 FEET (SOUTH 29 DEGREES 44 MINUTES 35 SECONDS EAST 83.06 FEET RECORDED); THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY AND EASTERLY LINE OF SAID SUBDIVISION, 154.64 FEET; THENCE SOUTH 70 DEGREES 31 MINUTES 33 SECONDS WEST 207.00 FEET TO THE POINT OF BEGINNING.

PARCEL D:

PART OF LOT 19 OF GOULD INDUSTRIAL PARK A SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY, MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS BEING MORE PARTICULARLY DESCRIBED AS BEGINNING AT THE SOUTHEAST CORNER OF LOT 19 (PER TITLE WORK, MEASURED AS NORTHEAST CORNER OF LOT 19), THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST 290.64 FEET, THENCE SOUTH 60 DEGREES 16 MINUTES 27 SECONDS WEST 334.08 FEET, THENCE NORTH 29 DEGREES 41 MINUTES 06 SECONDS WEST 285 FEET, THENCE SOUTH 59 DEGREES 40 MINUTES 19 SECONDS WEST 142.63 FEET, THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET, THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 225.33 FEET, THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET, THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST, 233.64 FEET TO POINT OF BEGINNING.

EASEMENT DESCRIPTION:

PART OF LOT 19 AND 20 OF GOULD INDUSTRIAL PARK SUBDIVISION OF PART OF THE SOUTHEAST 1/4 OF SECTION 35, TOWN 1 SOUTH, RANGE 8 EAST, PLYMOUTH TOWNSHIP, WAYNE COUNTY MICHIGAN, AS RECORDED IN LIBER 90 OF PLATS, PAGES 64, 65 AND 66, WAYNE COUNTY RECORDS AND BEING MORE PARTICULARLY DESCRIBED AS: COMMENCING AT THE WESTERLY CORNER OF SAID LOT 19; THENCE ALONG A CURVE TO THE RIGHT ALONG THE EAST LINE OF GENERAL DRIVE (60 FEET WIDE), RADIUS OF 560.00 FEET, THROUGH A CENTRAL ANGLE OF 01 DEGREES 54 MINUTES 14 SECONDS, ARC DISTANCE OF 18.61 FEET, CHORD BEARING SOUTH 38 DEGREES 58 MINUTES 31 SECONDS EAST 18.61 FEET; THENCE NORTH 59 DEGREES 40 MINUTES 19 SECONDS EAST 333.32 FEET TO THE POINT OF BEGINNING; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 56.58 FEET; THENCE NORTH 69 DEGREES 20 MINUTES 08 SECONDS EAST 225.33 FEET; THENCE NORTH 03 DEGREES 03 MINUTES 10 SECONDS WEST 31.84 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 26.64 FEET; THENCE NORTH 19 DEGREES 55 MINUTES 12 SECONDS WEST 234.01 FEET; THENCE NORTH 70 DEGREES 31 MINUTES 33 SECONDS EAST 166.64 FEET TO THE WESTERLY RIGHT OF WAY LINE OF C AND O RAILROAD (100 FEET WIDE) AND THE EASTERLY LINE OF SAID GOULD INDUSTRIAL PARK; THENCE SOUTH 29 DEGREES 34 MINUTES 55 SECONDS EAST ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 83.13 FEET (SOUTH 29 DEGREES 44 MINUTES 35 SECONDS EAST 83.06 FEET RECORDED); THENCE SOUTH 29 DEGREES 45 MINUTES 13 SECONDS EAST, ALONG SAID WESTERLY RIGHT OF WAY LINE AND EASTERLY LINE OF SAID SUBDIVISION, 146.05 FEET; THENCE SOUTH 70 DEGREES 25 MINUTES 01 SECOND WEST 5.42 FEET TO THE POINT OF BEGINNING OF CENTERLINE OF 12 FOOT WIDE VACATED WATER MAIN EASEMENT; THENCE CONTINUING SOUTH 70 DEGREES 25 MINUTES 01 SECOND WEST 130.00 FEET; THENCE SOUTH 48 DEGREES 13 MINUTES 42 SECONDS WEST 102.28 FEET TO THE POINT OF ENDING.



PROFESSIONAL ENGINEERING,
SURVEYING & ENVIRONMENTAL
SERVICES

A GROUP OF COMPANIES

Eastpointe Detroit Ann Arbor Grand Blanc
(800) 295.7222 (313) 758.0677 (734) 994.0888 (888) 694.0001
FAX: (586) 772.4048 FAX: (586) 772.4048 FAX: (734) 994.0667 FAX: (810) 694.9955

www.kemtecagroupofcompanies.com

PREPARED FOR: DESIGNHAUS ARCHITECTURE

FIELD SURVEY: N/A

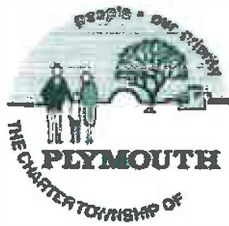
DATE: MAY 6, 2020

DRAWN BY: RCE

SHEET: 2 OF 2

SCALE: N/A

JOB NO.: 19-01024



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Modern Method Sanitary Sewer Easement Parcel 1, **Resolution #2020-07-14-66**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

The Board is required to approve sanitary sewer easement 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 #2020-07-14-66** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 1 and to authorize the recording of same.

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

**RESOLUTION TO AUTHORIZE THE SANITARY SEWER EASEMENT
FOR MODERN METHOD PARCEL 1, 78-058-99-0004-701**

RESOLUTION #2020-07-14-66

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on July 14, 2020, the following resolution was offered:

WHEREAS, Modern Method Construction Inc, located at 1455 Penniman Avenue, Plymouth, Michigan installed a sanitary sewer necessary for the development of their property, and,

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

NOW, THEREFORE, BE IT RESOLVED that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2020-07-14-66** authorizing the easement for the sanitary sewer located on the property at 78-058-99-0004-701, commonly known as: 8880 Canton Center Road, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Adopted: Regular Meeting of the Board of Trustees on _____.

Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution: 2020-_____

EASEMENT

PARCEL R-78-058-99-0004-701

Modern Method Construction, Inc., a Michigan Corporation, having an address of 1455 Penniman Ave., Plymouth, MI 48170 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 EXHIBIT A.

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 _____, 20____.

GRANTOR

(print or type name & title)

Kevin J. O'keefe, Agent
Modern Method Construction, Inc.

State of MI)
County of Wayne)ss.

The foregoing instrument was acknowledged before me this 30th day of June
2020, by Kevin J. O'keefe, Agent for Modern Method Construction, Inc.
(print grantor names and titles, if any)

MARY ANNE TRUESDELL
Notary Public, State of Michigan
County Of Wayne
My Commission Expires 5/13/24
Acting in the County of Wayne

Notary Public, Wayne County, Michigan

My commission expires: 5/13/24

This instrument drafted by:

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

After recording return this instrument to:

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____.

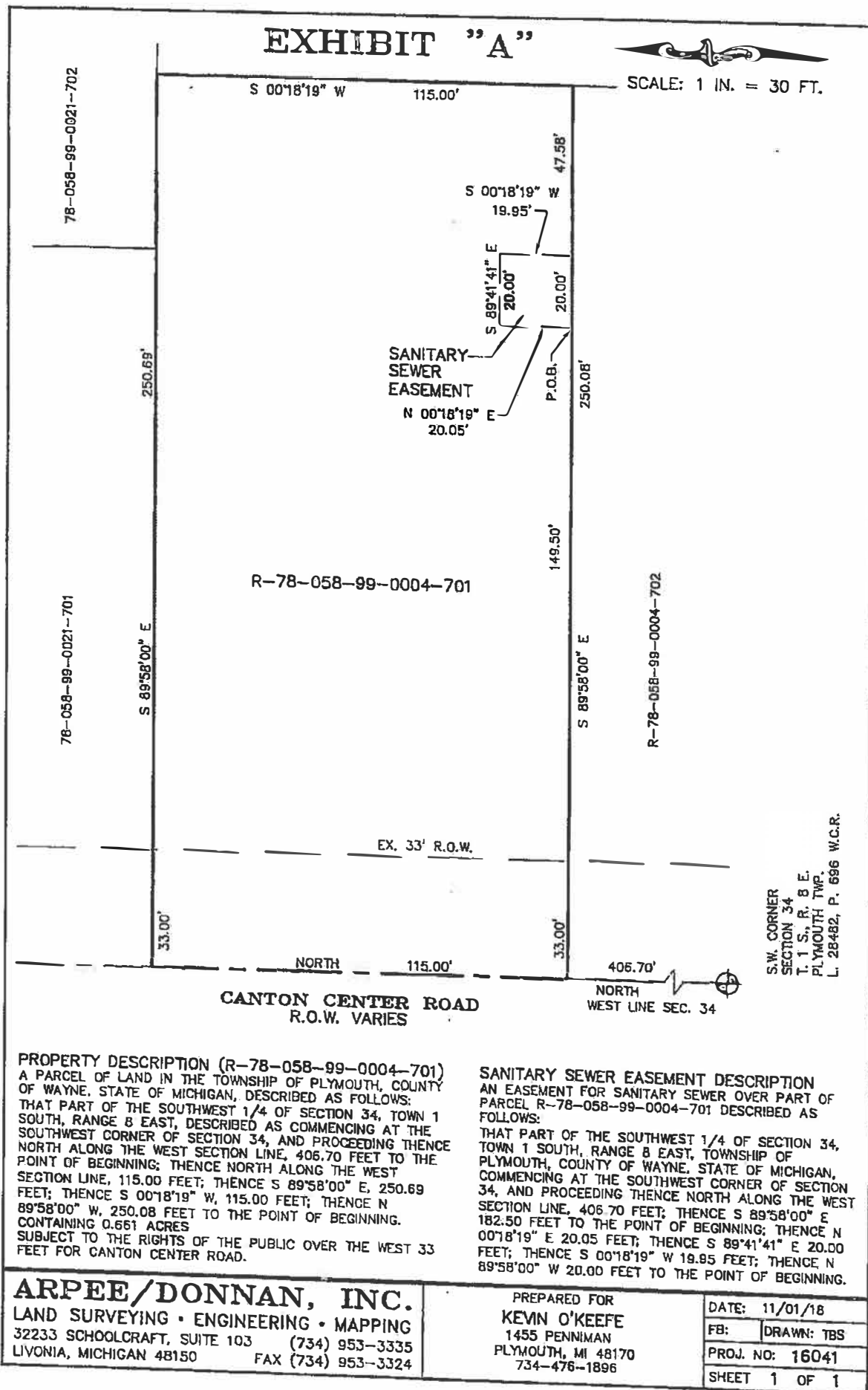
Kevin Bennett, Township Attorney

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





CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Modern Method Sanitary Sewer Easement Parcel 2, **Resolution #2020-07-14-67**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

The Board is required to approve sanitary sewer easement 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 #2020-07-14-67** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 2 and to authorize the recording of same.

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

**RESOLUTION TO AUTHORIZE THE SANITARY SEWER EASEMENT
FOR MODERN METHOD PARCEL 2, 78-058-99-0004-702**

RESOLUTION #2020-01-14-67

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on July 14, 2020, the following resolution was offered:

WHEREAS, Modern Method Construction Inc, located at 1455 Penniman Avenue, Plymouth, Michigan installed a sanitary sewer necessary for the development of their property, and,

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

NOW, THEREFORE, BE IT RESOLVED that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2020-07-14-67** authorizing the easement for the sanitary sewer located on the property at 78-058-99-0004-702, commonly known as: 8860 Canton Center Road, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Adopted: Regular Meeting of the Board of Trustees on _____

 Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

 Jerry Vorva, Clerk
 Charter Township of Plymouth

 Date

Resolution: 2020-_____

EASEMENT

PARCEL R-78-058-99-0004-702

Modern Method Construction, Inc., a Michigan Corporation, having an address of 1455 Penniman Ave., Plymouth, MI 48170 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 EXHIBIT A.

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 _____, 20____.

GRANTOR

(print or type name & title)

Kevin J. O'keefe, Agent
Modern Method Construction, Inc.

State of MI)
County of Wayne)ss.

The foregoing instrument was acknowledged before me this 30th day of June, 2020, by Kevin J. O'keefe, Agent for Modern Method Construction, Inc.
(print grantor names and titles, if any)

MARY ANNE TRUESDELL
Notary Public, State of Michigan
County Of Wayne
My Commission Expires 5/13/24
Acting in the County of Wayne

Notary Public, Wayne County, Michigan

My commission expires: 5/13/24

This instrument drafted by:

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

After recording return this instrument to:

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

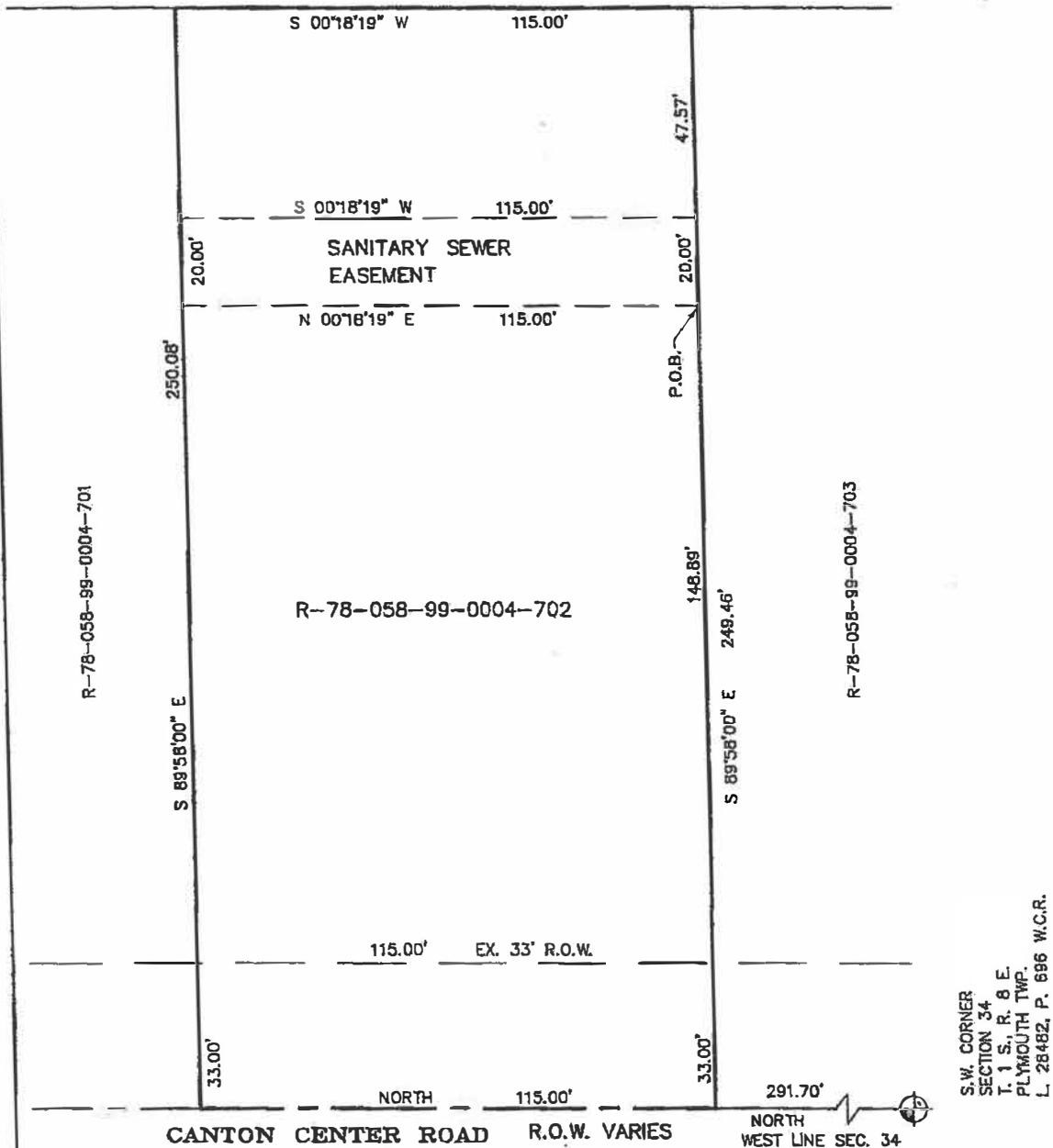
The easement description is approved as to form only by Engineer for the Plymouth Charter Township on _____, 20____.

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"


SCALE: 1 IN. = 30 FT.


PROPERTY DESCRIPTION (R-78-058-99-0004-702)
 A PARCEL OF LAND IN THE TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:
 THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, DESCRIBED AS COMMENCING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 291.70 FEET TO THE POINT OF BEGINNING; THENCE NORTH ALONG THE WEST SECTION LINE, 115.00 FEET; THENCE S 89°58'00" E, 250.08 FEET; THENCE S 00°18'19" W, 115.00 FEET; THENCE N 89°58'00" W, 249.46 FEET TO THE POINT OF BEGINNING.
 CONTAINING 0.659 ACRES
 SUBJECT TO THE RIGHTS OF THE PUBLIC OVER THE WEST 33 FEET FOR CANTON CENTER ROAD.

SANITARY SEWER EASEMENT DESCRIPTION
 AN EASEMENT FOR SANITARY SEWER OVER PART OF PARCEL R-78-058-99-0004-702 DESCRIBED AS FOLLOWS:
 THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, COMMENCING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 291.70 FEET; THENCE S 89°58'00" E 181.89 FEET TO THE POINT OF BEGINNING; THENCE N 00°18'19" E 115.00 FEET; THENCE S 89°58'00" E 20.00 FEET; THENCE S 00°18'19" W 115.00 FEET; THENCE N 89°58'00" W 20.00 FEET TO THE POINT OF BEGINNING.

ARPEE/DONNAN, INC.
 LAND SURVEYING • ENGINEERING • MAPPING
 32233 SCHOOLCRAFT, SUITE 103 (734) 953-3335
 LIVONIA, MICHIGAN 48150 FAX (734) 953-3324

PREPARED FOR
 KEVIN O'KEEFE
 1455 PENNIMAN
 PLYMOUTH, MI 48170
 734-476-1896

DATE: 11/01/18
 FB: DRAWN: TBS
 PROJ. NO: 16041
 SHEET 1 OF 1



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Edward J. DeRose Sanitary Sewer Easement Parcel 3, **Resolution #2020-07-14-68**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

The Board is required to approve sanitary sewer easement 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 #2020-07-14-68** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Edward J. DeRose Parcel 3 and to authorize the recording of same.

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

**RESOLUTION TO AUTHORIZE THE SANITARY SEWER EASEMENT
FOR MODERN METHOD PARCEL 3, 78-058-99-0004-703**

RESOLUTION #2020-07-14-68

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on July 14, 2020, the following resolution was offered:

WHEREAS, Edward J. DeRose, a single man, having an address of 26831 Shady Creek, Farmington Hills, Michigan installed a sanitary sewer necessary for the development of their property, and,

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

NOW, THEREFORE, BE IT RESOLVED that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2020-07-14-68** authorizing the easement for the sanitary sewer located on the property at 78-058-99-0004-703, commonly known as: 8840 Canton Center Road, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Adopted: Regular Meeting of the Board of Trustees on _____.

 Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

 Jerry Vorva, Clerk
 Charter Township of Plymouth

 Date

Resolution: 2020-_____

EASEMENT

PARCEL R-78-058-99-0004-703

Edward J. DeRose, a single man, having an address of 26831 Shady Creek, Farmington Hills, MI 48334 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 EXHIBIT A.

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 December 11, 2018

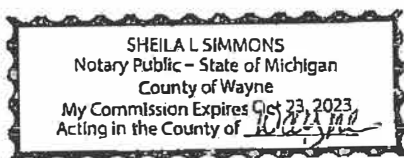
GRANTOR

Edward J. DeRose
(print or type name & title)

Edward J. DeRose

State of MI Wayne)
County of Wayne)ss.

The foregoing instrument was acknowledged before me this December 11
2018, by Edward J. DeRose.



(print grantor names and titles, if any)

Sheila R. Simmons
Notary Public, Wayne County, Michigan

My commission expires: 10/23/2023

This instrument drafted by:

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

After recording return this instrument to:

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____.

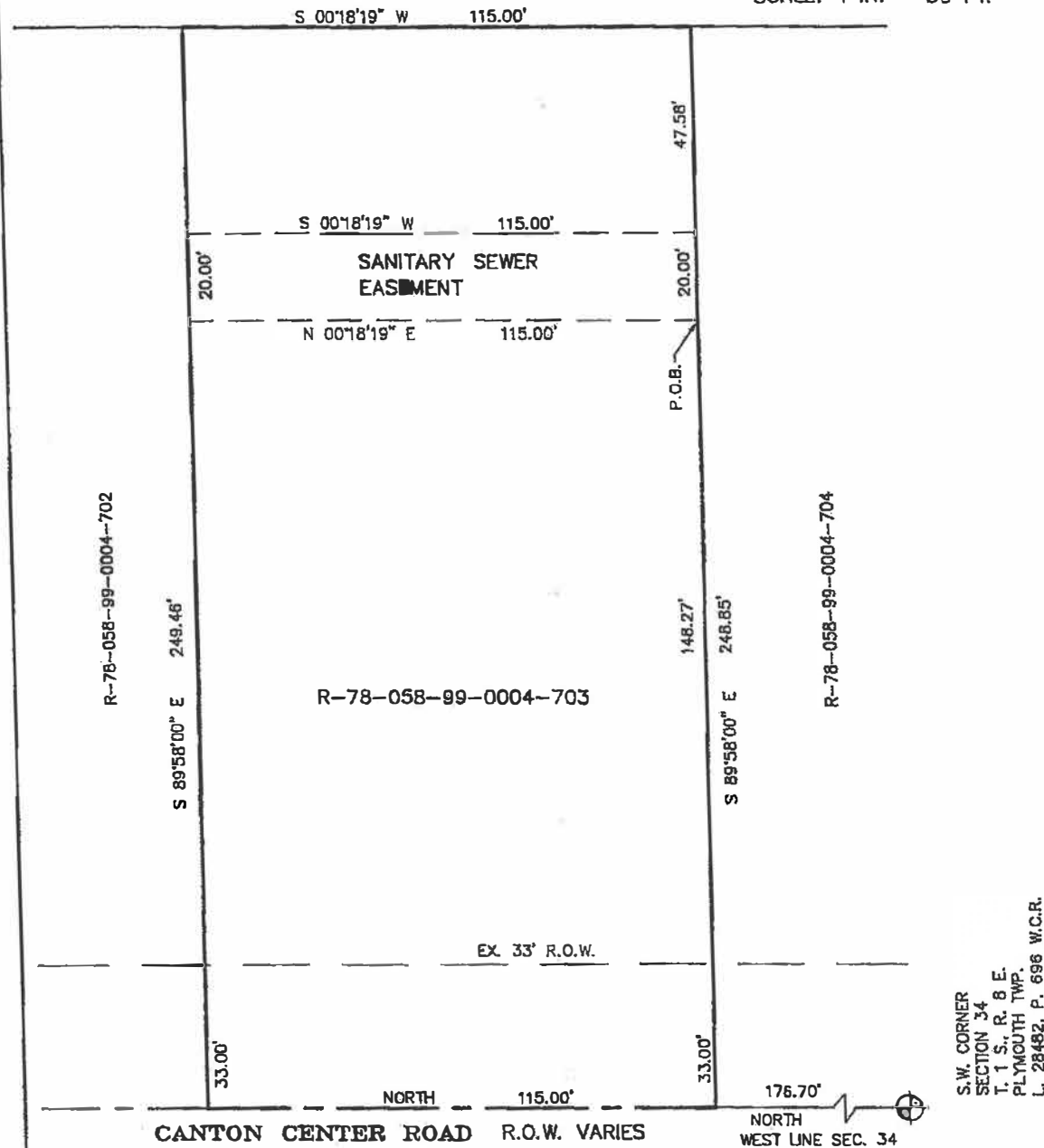
David E. Richmond, P.E., Township Engineer

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"

SCALE: 1 IN. = 30 FT.



S.W. CORNER
SECTION 34
T. 1 S., R. 8 E.
PLYMOUTH TWP.
L. 28482, P. 696 W.C.R.

PROPERTY DESCRIPTION (R-78-058-99-0004-703)
A PARCEL OF LAND IN THE TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:
THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, DESCRIBED AS COMMENCING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 176.70 FEET TO THE POINT OF BEGINNING; THENCE NORTH ALONG THE WEST SECTION LINE, 115.00 FEET; THENCE S 89°58'00" E, 249.46 FEET; THENCE S 00°18'19" W, 115.00 FEET; THENCE N 89°58'00" W, 248.85 FEET TO THE POINT OF BEGINNING.
CONTAINING 0.658 ACRES
SUBJECT TO THE RIGHTS OF THE PUBLIC OVER THE WEST 33 FEET FOR CANTON CENTER ROAD. ALSO SUBJECT TO AN EASEMENT FOR PUBLIC UTILITIES OVER THE NORTH 10 FEET.

SANITARY SEWER EASEMENT DESCRIPTION
AN EASEMENT FOR SANITARY SEWER OVER PART OF PARCEL R-78-058-99-0004-703 DESCRIBED AS FOLLOWS:
THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, COMMENCING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 176.70 FEET; THENCE S 89°58'00" E 181.27 FEET TO THE POINT OF BEGINNING; THENCE N 00°18'19" E 115.00 FEET; THENCE S 89°58'00" E 20.00 FEET; THENCE S 00°18'19" W 115.00 FEET; THENCE N 89°58'00" W 20.00 FEET TO THE POINT OF BEGINNING.

ARPEE/DONNAN, INC.
LAND SURVEYING • ENGINEERING • MAPPING
32233 SCHOOLCRAFT, SUITE 103 (734) 953-3335
LIVONIA, MICHIGAN 48150 FAX (734) 953-3324

PREPARED FOR
KEVIN O'KEEFE
1455 PENNIMAN
PLYMOUTH, MI 48170
734-478-1896

DATE: 11/01/18
FB: DRAWN: TBS
PROJ. NO: 16041
SHEET 1 OF 1



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Modern Method Sanitary Sewer Easement Parcel 4, **Resolution #2020-07-14-69**

PRESENTER: Jeremy Schrot, PE, Township Engineer

BACKGROUND:

The Board is required to approve sanitary sewer easement 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 #2020-07-14-69** authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 4 and to authorize the recording of same.

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

**RESOLUTION TO AUTHORIZE THE SANITARY SEWER EASEMENT
FOR MODERN METHOD PARCEL 4, 78-058-99-0004-704**

RESOLUTION #2020-07-14-69

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the "Board"), held at Township Hall, located at 9955 N. Haggerty Road, Plymouth, on July 14, 2020, the following resolution was offered:

WHEREAS, Modern Method Construction Inc, located at 1455 Penniman Avenue, Plymouth, Michigan installed a sanitary sewer necessary for the development of their property, and,

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

NOW, THEREFORE, BE IT RESOLVED that Charter Township of Plymouth Board of Trustees does hereby approve **Resolution #2020-07-14-69** authorizing the easement for the sanitary sewer located on the property at 78-058-99-0004-704, commonly known as: 8820 Canton Center Road, Plymouth, Michigan and grants approval for the Township Clerk, Township Attorney, and Township Engineer to sign and file the appropriate paperwork with Wayne County.

Moved by: _____ Seconded by: _____

ROLL CALL:

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

Adopted: Regular Meeting of the Board of Trustees on _____.

Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution: 2020-_____

EASEMENT

PARCEL R-78-058-99-0004-704

Modern Method Construction, Inc., a Michigan Corporation, having an address of 1455 Penniman Ave., Plymouth, MI 48170 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 EXHIBIT A.

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 _____, 20____.

GRANTOR

(print or type name & title)

Kevin J. O'keefe, Agent
Modern Method Construction, Inc.

State of MI _____)
County of Wayne)ss.

The foregoing instrument was acknowledged before me this 30th day of June, 2020 by Kevin J. O'keefe, Agent for Modern Method Construction, Inc.
(print grantor names and titles, if any)

MARY ANNE TRUESDELL
Notary Public, State of Michigan
County Of Wayne
My Commission Expires 5/13/24
Acting in the County of Wayne

Notary Public, Wayne County, Michigan

My commission expires: 5/13/24

This instrument drafted by:

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

After recording return this instrument to:

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____.

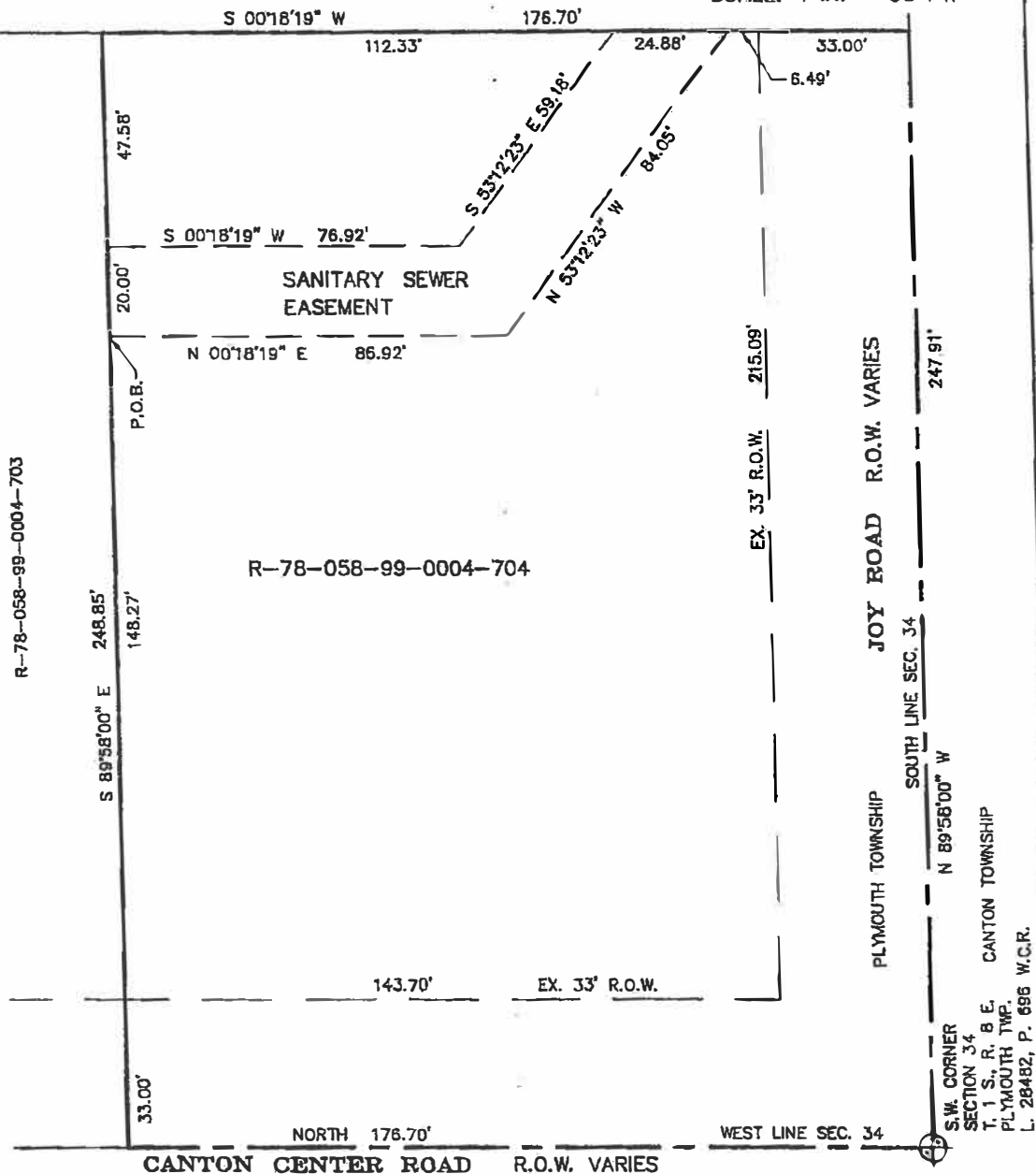
David E. Richmond, P.E., Township Engineer

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"

SCALE: 1 IN. = 30 FT.



PROPERTY DESCRIPTION (R-78-058-99-0004-704)
 A PARCEL OF LAND IN THE TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:
 THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, DESCRIBED AS BEGINNING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 176.70 FEET; THENCE S 89°58'00" E, 248.85 FEET; THENCE S 00°18'19" W, 176.70 FEET TO THE SOUTH LINE OF SECTION 34; THENCE N 89°58'00" W ALONG SAID SOUTH SECTION LINE, 247.91 FEET TO THE POINT OF BEGINNING.
 CONTAINING 1.008 ACRES
 SUBJECT TO THE RIGHTS OF THE PUBLIC OVER THE SOUTH 33 FEET FOR JOY ROAD AND THE WEST 33 FEET FOR CANTON CENTER ROAD. ALSO SUBJECT TO AN EASEMENT FOR PUBLIC UTILITIES OVER THE NORTH 10 FEET.

SANITARY SEWER EASEMENT DESCRIPTION
 AN EASEMENT FOR SANITARY SEWER OVER PART OF PARCEL R-78-058-99-0004-704 DESCRIBED AS FOLLOWS:
 THAT PART OF THE SOUTHWEST 1/4 OF SECTION 34, TOWN 1 SOUTH, RANGE 8 EAST, TOWNSHIP OF PLYMOUTH, COUNTY OF WAYNE, STATE OF MICHIGAN, COMMENCING AT THE SOUTHWEST CORNER OF SECTION 34, AND PROCEEDING THENCE NORTH ALONG THE WEST SECTION LINE, 176.70 FEET; THENCE S 89°58'00" E 181.27 FEET TO THE POINT OF BEGINNING; THENCE S 89°58'00" E 20.00 FEET; THENCE S 00°18'19" W 76.92 FEET; THENCE S 53°12'23" E 59.18 FEET; THENCE S 00°18'19" W 24.88 FEET; THENCE N 53°12'23" W 84.05 FEET; THENCE N 00°18'19" E 86.92 FEET TO THE POINT OF BEGINNING.

ARPEE/DONNAN, INC.
 LAND SURVEYING • ENGINEERING • MAPPING
 32233 SCHOOLCRAFT, SUITE 103 (734) 953-3335
 LIVONIA, MICHIGAN 48150 FAX (734) 953-3324

PREPARED FOR
 KEVIN O'KEEFE
 1455 PENNIMAN
 PLYMOUTH, MI 48170
 734-476-1896

DATE: 11/01/18
 FB: DRAWN: TBS
 PROJ. NO: 18041
 SHEET 1 OF 1



CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Annual Economic Development Update Presentation

PRESENTERS: Trustee Heitman, Planning Consultant Haw

BACKGROUND: Trustee Heitman and Laura Haw would like to make their annual presentation to the Board regarding economic development in the Township, focusing on new developments, challenges/setbacks, and what to expect in the year ahead. We will also be happy to answer any questions you might have regarding specific properties and projects in the Township and City.

PROPOSED MOTION:: None required; presentation only.

Economic Development Presentation 2019 - 2020

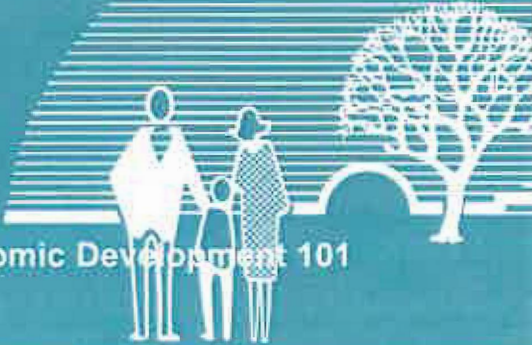
Charter Township of Plymouth, Wayne County, Michigan
July 14, 2020



Agenda

1. *Economic Development 101*
2. *New Investment*
3. *Significant Reinvestment*
4. *Quality of Life Measures*
5. *Economic Development in Practice (Challenges and Opportunities)*
6. *What's Coming Next?*
7. *Question and Answer Session*

Economic Development 101

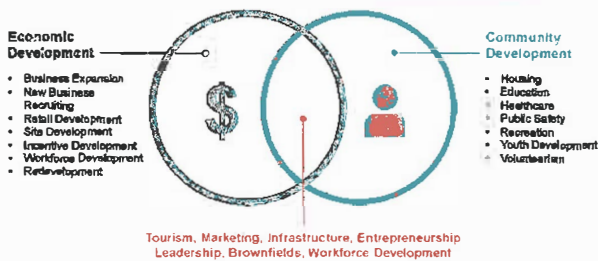


Economic Development...in a Nutshell

Economic Development is a program, group of policies, or activity that seeks to improve the economic well-being and quality of life for a community, by creating and/or retaining jobs that facilitate growth and provide a stable tax base.

Source: International Economic Development Council (IEDC)

Importance of Economic Development



Proactive Economic Development



Incentives and Financing Tools

- Plymouth Township, Wayne County and the State of Michigan have many financing options at their disposal.
- Every development is different and should be treated as such.
- Tax Abatements (IFT's).
- Brownfield Redevelopment Authority (BRA).
- Factors to be analyzed with each opportunity:
 - Cost/benefit, or risk/reward
 - Payback period
 - Goals of the community



New Investment

3

New Commercial, Research and Development Facilities

\$20 million

Investment



COVID Impacts

- Board of Trustees-resolution in support of outdoor dining
- Township safety open to the public



MITC Authority

2

New parcels for redevelopment

20

New Parcels for Redevelopment

\$100k

MEPO Grant

New logo and marketing campaign



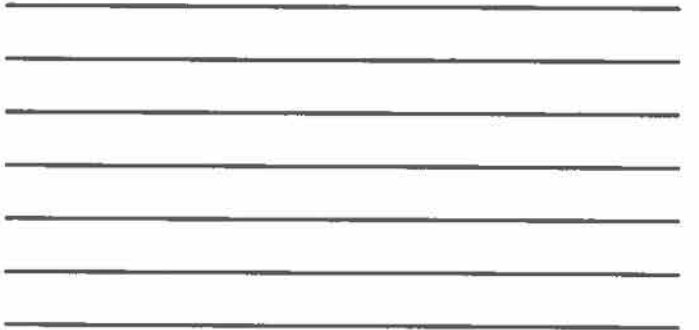
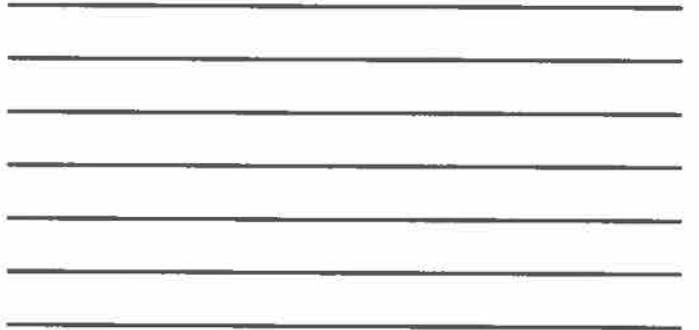
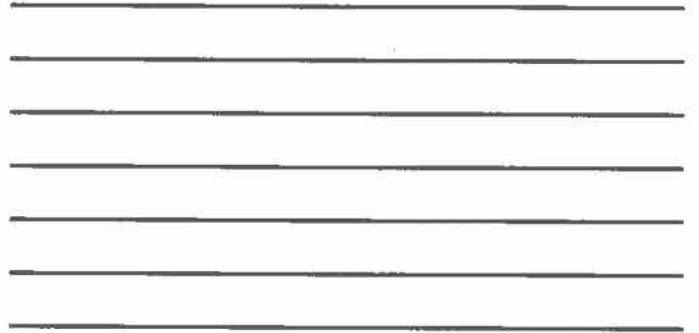
Ridge 5 Corporate Park











Five Mile / Beck

Fogg St. Flex Building

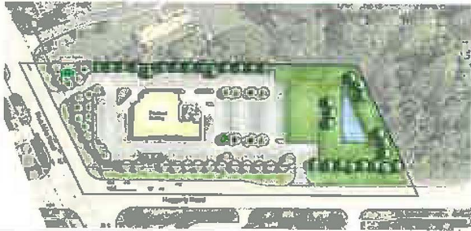
Amazon Facility







Boleski Funeral Home

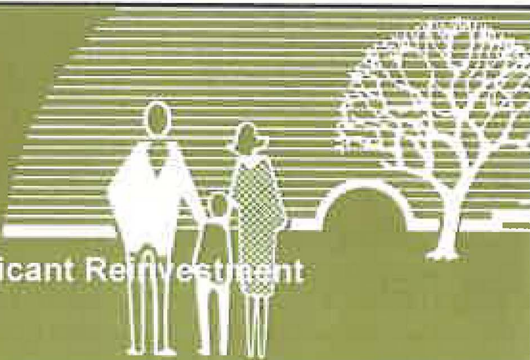


Henry Ford Health System



Significant Reinvestment

2011-2020



Reinvestment

38

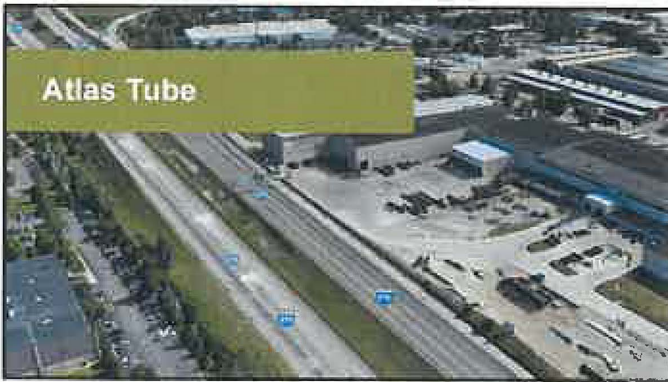
Commercial & Industrial Upgrades

\$21 million

Investment in Capital



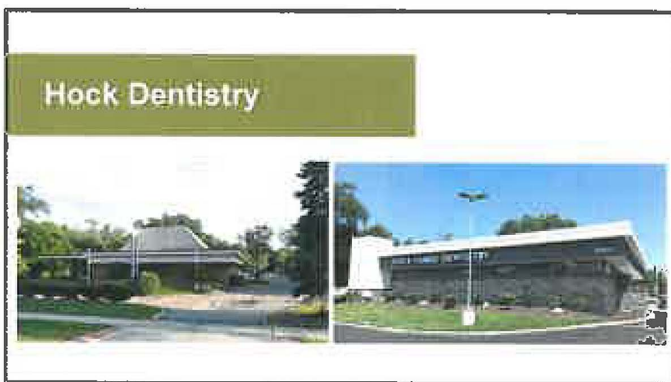
Atlas Tube

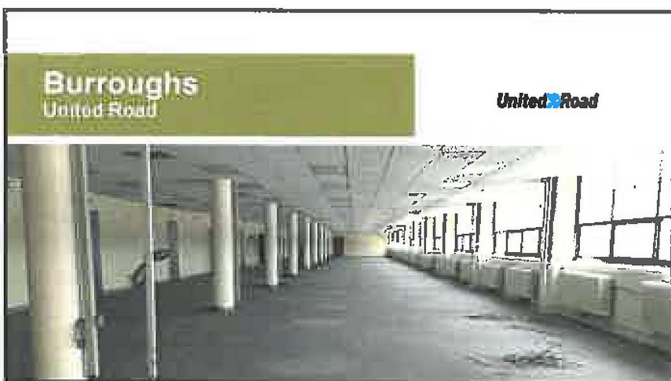


Suburban Cadillac











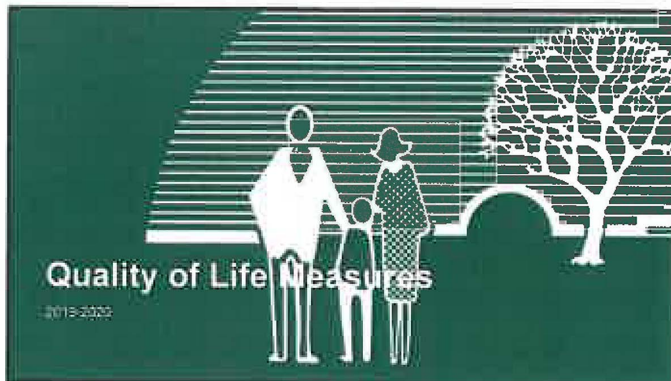












Residential Investment

23
New Residential Developments

\$8 million
Total Investment

Residential Projects

Residential Name	Number of Units	Unit Type	Price Range	Square Footage Range
Andover Forest	15	Single family, detached	n/a	n/a
Gateways of Plymouth	10 (for a total of 31)	Townhouses	\$754,000+	2,270-2,430
Wentworth Residence	65	Multi-family	n/a	576-1,154
*Margate	30	Single family, detached	n/a	1,880-3,000
Palmer House	7	Single family, detached	\$475,000 - \$485,000	2,250 - 2,700+
*Purcell House	10	Single family, detached	n/a	n/a
11th Residences	7	Single family, detached	\$485,000+	2,675 - 2,750
The Woods	8	Single family, detached	\$570,000+	2,200+
Tuscany Reserve	16	Single family, detached	\$705,000+	2,541 - 2,763
Verona Park	14	Single family, detached	n/a	2,000+

*Upcoming residential projects.

Real Estate Stats

\$347,000

Average List Price - 2023
→ UP 11%

\$180

Average Price Per Sq. Ft. - 2023
→ UP 19%

31

Worst Days on Market - 2023
→ DOWN 4 DAYS

5.99%

30 Year Mortgage Interest Rate
→ SAME AS 2022


Miller Park Pavilion

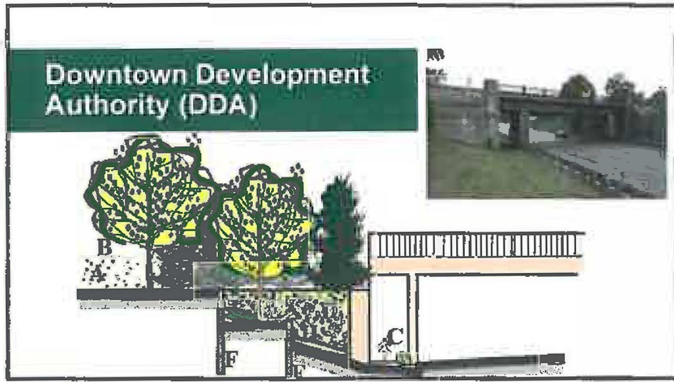



Environmental Leadership Commission

MISSION STATEMENT:

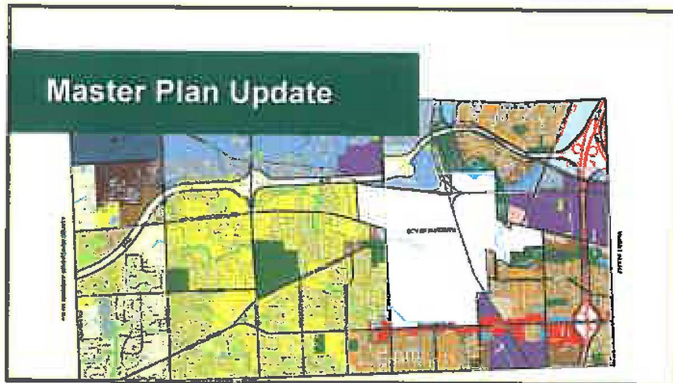
The Plymouth Township Environmental Leadership Commission exists to enhance understanding and encourage practices that lead to a clean, sustainable, environmentally responsible community through education, serving as a resource and advising the Township.









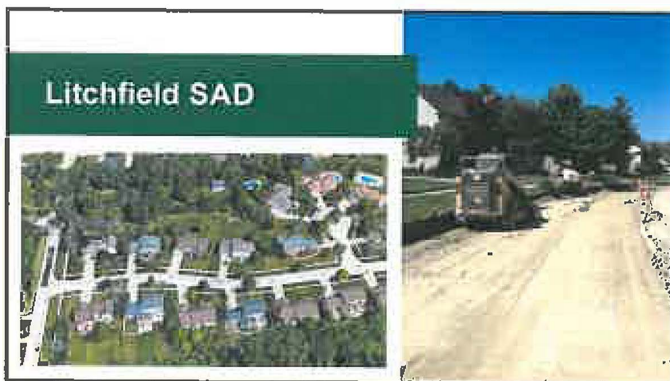












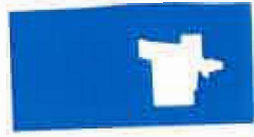
2020 Census

68.1%

Michigan Self-Response

85.4%

Michigan Census Bureau Self-Response



Family Friendly, Open for Business



Economic Development in Practice

Challenges and Opportunities



Challenges / Opportunities

- I-275 / Ann Arbor Road Interchange (former Stake & A)
- Durr Redevelopment
- Property behind (north) of the Elks Lodge
- 15 acres south of LOC Performance
- Available property on Ann Arbor Road
- Concept Drive greenfield sites
- Five Mile and Napier (Detroit parcel)
- Schoolcraft parcels for redevelopment



New Manufacturing Jobs

100
New Jobs Created by

- **64 New Non-manufacturing Jobs**
 - 45 wholesale and retail trade, entertainment and recreation
 - 7 transportation
 - 3 finance, insurance and real estate
 - 3 business repairs and services
 - 3 construction
 - 3 public administration
- **7 New Retail Establishments**
- **Population increase of 202**
- **61 new school enrollments**
- **Over \$1.5M Retail Sales – durable and non-durable goods**

Total Number of Jobs Created by One New Job

Industry	County	Metropolitan Area	State
New Construction	2.40	3.27	3.27
Motor Vehicles & Equipment	2.36	2.35	2.47
Retail Trade	1.40	1.40	2.40
Finance	1.90	2.19	2.19
Health & Personal Care	1.70	1.88	1.88
Health Services	1.60	1.67	3.00
Food Processing	1.34	1.81	1.47
Business Services	1.45	1.57	1.69

For each new construction job created, our area benefits with 3.27 total new jobs!

Business Retention

Retention is Important

Surveys have shown that 75% of jobs come from local companies.

Some important businesses were visited multiple times.

Total Visits, 2017-2020: 292



WAYNE COUNTY
»» BACK TO WORK
 SMALL BUSINESS GRANT

\$50 MILLION AVAILABLE
\$10,000 MAXIMUM GRANT

APPLICATION PERIOD
 JUNE 29 - JULY 10, 2020

What you need to apply:

- Be a small business owner in Wayne County
- Have a business plan and a good credit score
- Be a resident of Wayne County

How to apply:

- Visit www.waynecounty.org/backtowork
- Call 800-447-2263
- Email backtowork@waynecounty.org

Don't miss it! www.waynecounty.org/backtowork

What's Coming Next?





CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 14, 2020

ITEM: Resolution to the Secretary of State on Voter Roll Accuracy: 2020-07-14-70

PRESENTER: Clerk Vorva

BACKGROUND: With the advent of Covid 19 the Secretary of State, to limit voter exposure to the virus, mailed out millions of Applications to request an Absentee Ballot. This act exposed the need to clear the voter rolls of ineligible voters to prevent possible fraud.

ACTION REQUESTED: Approve Resolution

PROPOSED MOTION :The Charter Township of Plymouth Board of Trustees request the Secretary of State: 1) to comply with its duties under both the Michigan Election Law and the NVRA to remove from the Qualified Voter Files all persons ineligible to vote; and 2) take other such measures as necessary to eliminate all voter fraud in the election in November of 2020.

Roll Call Vote:

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

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

**RESOLUTION TO REQUEST THE SECRETARY OF STATE TO VERIFY THE ACCURACY OF THE
VOTER ROLLS IN THE QUALIFIED VOTER FILES AND TO REMOVE ALL VOTERS NOT QUALIFIED
TO VOTE**

RESOLUTION NUMBER 2020-07-14-70

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 July 14, 2020 at 7:00 p.m., the following resolution was offered:

WHEREAS, the Michigan Secretary of State has mailed out millions of Absentee Ballot request applications to voters who were not already on the permanent Absentee Voter list in all the local and county jurisdiction voter rolls; and,

WHEREAS, evidence of possible voter fraud has already arisen within the Township, to wit:

- a) the Plymouth Township Clerk's Department received an Absentee Ballot request signed by someone other than the registered voter named in the request, confirmed by the Clerk's telephone conversation with the named registered voter on the Absentee Ballot; and,
- b) the same registered voter was found to have registered in both her married name and her maiden name at a Plymouth Township address, and was mailed an absentee ballot application in each name by the Secretary of State, notwithstanding the fact that such registered voter was registered to vote in another state and had in fact voted in that state in 2018; and,
- c) the Plymouth Township Clerk's Department has been informed by a person who is not a citizen of the United States that such person received an Absentee Ballot request by mail from the Secretary of State; and,
- d) the Plymouth Township Clerk's Department received separate requests from two persons who were not citizens of the United States to remove each respective non-citizen from the voter rolls because the Immigration and Naturalization Service started investigations into such non-citizens because they were on the voter rolls notwithstanding their statements that neither non-citizen registered to vote; and,
- e) one of the above non-citizens moved from Plymouth Township to another jurisdiction and voted there; and,
- f) in 2019, the Plymouth Township Board approved the relocation of precincts 3 and 9; the Plymouth Township Clerk's Department sent out notices to the registered voters within the relocated precincts of such relocation; and

approximately 10% of such notices were returned to the Clerk's Department by the post office as "no longer living at this address"; and,

WHEREAS, if such evidence of possible voter fraud already discovered within the Township exists at similar levels throughout the state, the number of voters incorrectly listed on the Qualified Voter Files could be as high as 500,000; and,

WHEREAS, the National Voter Registration Act of 1993, 52 USC. § 20501 et seq. (NVRA), requires the Secretary of State to conduct a general program that makes a reasonable effort to remove the names of ineligible voters from the official lists of eligible voters by reason of (A) the death of the registrant; or
(B) a change in the residence of the registrant (if certain procedures are followed); and,

WHEREAS, the NVRA further requires the Secretary of State to complete, not later than 90 days prior to the date of a primary or general election for Federal office, any program the purpose of which is to systematically remove the names of ineligible voters from the official lists of eligible voters; and,

WHEREAS, Section 509n of Public Act 116 of 1954, as amended, MCL 168.1 et seq., provides that the Secretary of State is responsible for the coordination of the requirements imposed under both Michigan Election Law and the NVRA; and,

WHEREAS, the passage of Proposal 18-3 in 2018 permits citizens to register to vote up to and including the closing of polls on election day, thereby ensuring that every citizen that is qualified and wants to vote may vote;

NOW, THEREFORE, BE IT RESOLVED THAT the Charter Township of Plymouth Board of Trustees requests the Secretary of State: 1) to comply with its duties under both the Michigan Election Law and the NVRA to remove from the Qualified Voter Files all persons ineligible to vote; and 2) take other such measures as necessary to eliminate all voter fraud in the election in November of 2020.

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

Moved by:

Supported by:

Roll Call Vote

Ayes:

Nays:

Adopted: Regular Meeting of the Board of Trustees on _____.

Jerry Vorva, Clerk, Charter Township of Plymouth

Certification

STATE OF MICHIGAN)

)

COUNTY OF WAYNE)

I hereby certify that the foregoing is a true copy of the above Resolution, the original of which is on file in my office.

Jerry Vorva, Clerk
Charter Township of Plymouth

Date

Resolution: 2020-_____