



ANDERSON, ECKSTEIN & WESTRICK, INC.
 CIVIL ENGINEERS SURVEYORS ARCHITECTS
 51301 SCHOENHERR RD. SHELBY TOWNSHIP, MI 48315
 www.aewinc.com p(586)726-1234

INVOICE

October 10, 2022
 Project No: 0160-0433-0
 Invoice No: 0139900

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0433-0 ALLARD RD RECON. CHESTER/HARPER (WCL)
 PURCHASE ORDER #21-46705 - \$190,000.00
 FOR: CONSTRUCTION OBSERVATION, CONTRACT ADMINISTRATION, SURVEY STAKING
Professional Services from August 29, 2022 to September 25, 2022

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
LICENSED ENG/SUR/ARC	4.70	111.20	522.64	
TEAM LEADER	2.00	90.20	180.40	
ENGINEERING AIDE III	16.10	75.60	1,217.16	
ENGINEERING AIDE I	.20	60.40	12.08	
CONSTRUCTION OBSERVATION				
ENGINEERING AIDE III	72.40	75.60	5,473.44	
Totals	95.40		7,405.72	
Total Labor				7,405.72

Reimbursable Expenses

REIMB. MISC. EXPENSE				
9/6/2022	G2 CONSULTING	Invoice #221861	2,920.00	
	Total Reimbursables		2,920.00	2,920.00

Billing Limits

	Current	Prior	To-Date
Total Billings	10,325.72	169,837.69	180,163.41
Limit			190,000.00
Remaining			9,836.59

Total this Invoice \$10,325.72

Outstanding Invoices

Number	Date	Balance
0138943	8/12/2022	21,488.32
0139524	9/15/2022	9,820.44
Total		31,308.76

pd 9/14
 pd 10/16

PO 21-46705
 #202-451-974.201 \$ 826.06
 #202-451-975.310 \$ 206.51
 #203-451-974.201 \$ 826.06
 #203-451-975.310 \$ 516.28
 #203-451-977.803 \$ 5,575.89
 #592-537-975-401 \$ 2,374.92

OK - JK

SM 10/20/22

FJ 10-20-22

G2 Consulting Group, LLC
1866 Woodslee Street
Troy, MI 48083

INVOICE

Invoice Number: 221861
 Invoice Date: July 31, 2022
 Page Number: 1

Voice: 248.680.0400
 Fax: 248.680.9745

Bill To: Accounts Payable
 Anderson, Eckstein & Westrick
 51301 Schoenherr Road
 Shelby Township, MI 48315

Customer ID	Purchase Order No.	G2 Project No.	
AEW001	AEW No. 0160-0433	220161	
Payment Terms	Due Date	Ship Date	Shipping Method
Net 30 Days	August 30, 2022		

Quantity	Description	Unit Price	Amount
23.25	Engineering Technician, Regular Hours, each	68.00	1,581.00
2.75	Engineering Technician, Regular Hours - Cylinder Pick-Up on 7/6/22 and 7/23/22, each	68.00	187.00
4.00	Project Manager, per hour	156.00	624.00
2.00	Administrative Assistant, per hour	60.00	120.00
3.00	Troxler Nuclear Moisture/Density Gauge, each	40.00	120.00
18.00	Compressive Strength Test Cylinders, each	16.00	288.00
	Allard Avenue Reconstruction, Grosse Pointe Woods, Michigan - Quality Control Observation and Testing Services on 7/5/22 through 8/2/22		
	Client Contact: Brad Smith		

Total Invoice Amount \$ 2,920.00

If you have any questions concerning this invoice, call Mark W. Smolinski, (248) 680-0400. Client agrees to pay a charge of 1.5 percent per month on accounts past due 30 days from invoice date.

Make all checks payable to: G2 Consulting Group, LLC.



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INVOICE

October 10, 2022
 Project No: 0160-0451-0
 Invoice No: 0139902

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0451-0 2022 PAV'T JOINT & CRACK SEALING DIST 8
 PURCHASE ORDER #22-47270 - \$10,000.00
 FOR: CONTRACT ADMIN.

Professional Services from August 29, 2022 to September 25, 2022

Fee

Total Fee	8,000.00		
Percent Complete	25.00	Total Earned	2,000.00
		Previous Fee Billing	2,000.00
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
PRINCIPAL ENGINEER	3.50	111.20	389.20
LICENSED ENG/SUR/ARC	1.50	111.20	166.80
GRADUATE ENG/SUR/ARC	1.50	90.20	135.30
TEAM LEADER	1.00	90.20	90.20
Totals	7.50		781.50
Total Labor			781.50

Billing Limits

	Current	Prior	To-Date
Total Billings	781.50	4,009.43	4,790.93
Limit			10,000.00
Remaining			5,209.07

Total this Invoice \$781.50

Outstanding Invoices

Number	Date	Balance
0138947	8/12/2022	2,966.63 <i>pd 9/13/22</i>
0139528	9/15/2022	1,042.80 <i>pd 10/10</i>
Total		4,009.43

*P047270
 #202-451-975.310
 OK - J.K. SM 10/19/22
 FS - 10-20-22*



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INVOICE

October 10, 2022
 Project No: 0160-0452-0
 Invoice No: 0139903

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0452-0 2022 SIDEWALK REPAIR PROGRAM DIST 8
 PURCHASE ORDER #22-47267 - \$10,000.00
 FOR: CONTRACT ADMIN.

Professional Services from August 29, 2022 to September 25, 2022

Fee

Construction Cost	188,600.00		
Fee Percentage	4.24		
Total Fee	7,996.64		
Percent Complete	50.00	Total Earned	3,998.32
		Previous Fee Billing	3,998.32
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
PRINCIPAL ENGINEER	4.00	111.20	444.80	
GRADUATE ENG/SUR/ARC	.50	90.20	45.10	
ENGINEERING AIDE III	.50	75.60	37.80	
Totals	5.00		527.70	
Total Labor				527.70

Billing Limits

	Current	Prior	To-Date
Total Billings	527.70	5,064.25	5,591.95
Limit			10,000.00
Remaining			4,408.05

Total this Invoice 527.70

Outstanding Invoices

Number	Date	Balance
0138948	8/12/2022	4,910.83 <i>pd 9/14</i>
0139529	9/15/2022	153.42 <i>pd 10/10</i>
Total		5,064.25

*P 047267
 # 203-451-976.100 \$89.17
 # 592-537-976.100 \$438.53
 OK - J.K. sm 10/20/22*

Please include the project number and invoice number on your check.

FD 10-20-22



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INVOICE

October 10, 2022
 Project No: 0160-0453-0
 Invoice No: 0139904

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0453-0 2022 SEWER CCTV INVESTIGATION
 PURCHASE ORDER #22-47271 - \$25,000.00
 FOR: CONTRACT ADMIN., CONSTRUCTION OBSERVATION, UPDATING GIS, CCTV REVIEW
Professional Services from August 29, 2022 to September 25, 2022

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	2.00	90.20	180.40	
GIS UPDATES				
ENGINEERING AIDE III	14.90	75.60	1,126.44	
CCTV REVIEW				
ENGINEERING AIDE II	36.20	66.90	2,421.78	
Totals	53.10		3,728.62	
Total Labor				3,728.62

Billing Limits	Current	Prior	To-Date
Total Billings	3,728.62	15,946.57	19,675.19
Limit			25,000.00
Remaining			5,324.81

Total this Invoice \$3,728.62

Outstanding Invoices

Number	Date	Balance
0138949	8/12/2022	14,013.44 <i>pd 9/14</i>
0139530	9/15/2022	1,933.13 <i>pd 10/6</i>
Total		15,946.57

*PO 47271
 # 592-537-975.004
 OK - J.K.
 Sm 10/20/22
 EI 10-20-22*



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INVOICE

October 6, 2022
 Project No: 0160-0458-0
 Invoice No: 0139923

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0458-0 2022-2023 GIS MAINTENANCE
 PURCHASE ORDER #22-47063
Professional Services from August 29, 2022 to September 25, 2022
 Professional Personnel

PO 47063
#592-537-977.000
ok - J.K.
ok - E.S.
SM 10/20/22

	Hours	Rate	Amount	
MEETINGS				
GRADUATE ENG/SUR/ARC				
MILLER, JEFFREY	3.00	90.20	270.60	
Meeting at DPW to discuss 2022/2023 budget work				
GIS UPDATES				
GRADUATE ENG/SUR/ARC				
MILLER, JEFFREY	1.00	90.20	90.20	
Addition of 2020 Aerial photo to Portal Basemap				
MILLER, JEFFREY	1.50	90.20	135.30	
Addition of August water main breaks to GIS database				
MILLER, JEFFREY	3.00	90.20	270.60	
Adjustment of existing tree locations				
ENGINEERING AIDE III				
DOURJALIAN, ANDREW	22.40	75.60	1,693.44	
Updated Tree Layer				
KOWALCHICK, ANTHONY	3.30	75.60	249.48	
add street lights to GIS				
KOWALCHICK, ANTHONY	6.00	75.60	453.60	
move street signs to the correct locations				
KOWALCHICK, ANTHONY	4.00	75.60	302.40	
update street signs				
SVOBODA, JOSEPH	2.30	75.60	173.88	
updated sign inventory feature class				
SVOBODA, JOSEPH	6.00	75.60	453.60	
updated sign inventory feature class				
Totals	52.50		4,093.10	
Total Labor				4,093.10

Billing Limits	Current	Prior	To-Date
Total Billings	4,093.10	1,706.96	5,800.06
Limit			21,000.00
Remaining			15,199.94

Total this Invoice \$4,093.10

Outstanding Invoices

Number	Date	Balance
0138742	9/13/2022	(684.06) — not paid no credit due

Please include the project number and invoice number on your check.

Project	0160-0458-0	2022-2023 GIS MAINTENANCE	Invoice	0139923
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0139308	8/23/2022	793.76	<i>pd 9/14/22</i>
0139371	9/9/2022	913.20	<i>pd 10/6/22</i>
Total		1,022.90	



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INVOICE

October 13, 2022
 Project No: 0160-0430-0
 Invoice No: 0140045

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0430-0 SEWER REHABILITATION - OPEN CUT
 FOR: CONSTRUCTION INSPECTION AND CONTRACT ADMINISTRATION
 PURCHASE ORDER #20-46059

Professional Services from August 29, 2022 to September 25, 2022

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
GRADUATE ENG/SUR/ARC	.50	90.20	45.10	
TEAM LEADER	9.20	90.20	829.84	
ENGINEERING AIDE III	2.00	75.60	151.20	
CONSTRUCTION OBSERVATION				
ENGINEERING AIDE III	100.50	75.60	7,597.80	
Totals	112.20		8,623.94	
Total Labor				8,623.94

Billing Limits	Current	Prior	To-Date
Total Billings	8,623.94	111,299.42	119,923.36
Limit			175,000.00
Remaining			55,076.64

Total this Invoice \$8,623.94

PO 20-46059
 # 592-537-976.001
 ok -
 J.K.
 Bm 10/20/22
 PJ 10-20-22



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INVOICE

October 13, 2022
 Project No: 0160-0438-0
 Invoice No: 0140046

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0438-0 2021 CCTV INVESTIGATION
 PURCHASE ORDER #21-46707
Professional Services from August 29, 2022 to September 25, 2022
Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	1.00	90.20	90.20	
ENGINEERING AIDE III	4.50	75.60	340.20	
Totals	5.50		430.40	
Total Labor				430.40
Billing Limits	Current	Prior	To-Date	
Total Billings	430.40	54,810.16	55,240.56	
Limit			56,000.00	
Remaining			759.44	
		Total this Invoice		\$430.40

PO 21-46707
 # 592-537-975.004
 OK - g.k.
 sm 10/20/22
 A 10.20.22



ANDERSON, ECKSTEIN & WESTRICK, INC.
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INVOICE

October 13, 2022
 Project No: 0160-0440-0
 Invoice No: 0140047

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0440-0 2021 SEWER REHAB. BY FCIPP
 PURCHASE ORDER #21-46701
 FOR: CONSTRUCTION OBSERVATION AND ADMINISTRATION
Professional Services from August 29, 2022 to September 25, 2022

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	2.50	90.20	225.50	
ENGINEERING AIDE III	1.00	75.60	75.60	
Totals	3.50		301.10	
Total Labor				301.10

Billing Limits	Current	Prior	To-Date	
Total Billings	301.10	35,319.08	35,620.18	
Limit			41,000.00	
Remaining			5,379.82	
		Total this Invoice		\$301.10

PO 21-46701
 # 592-537-976.001
 ok - J.K.
 SM 10/20/22
 EJ 10-20-22



ANDERSON, ECKSTEIN & WESTRICK, INC.
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INVOICE

October 13, 2022
 Project No: 0160-0449-0
 Invoice No: 0140048

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0449-0 SEWER SYSTEM EVALUATION
 PURCHASE ORDER #22-46947 - \$107,000.00
 FOR: CONTRACT ADMIN., LEVEL SENSOR INSTALL PREP

Professional Services from August 29, 2022 to September 25, 2022

Phase 01 MONITORING EQUIP: SELECT, INSTALL, MAINT

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
LICENSED ENG/SUR/ARC	2.00	111.20	222.40	
MEETINGS				
PRINCIPAL ENGINEER	2.00	111.20	222.40	
GENERAL				
LICENSED ENG/SUR/ARC	3.00	111.20	333.60	
Totals	7.00		778.40	
Total Labor				778.40
				Total this Phase
				\$778.40

Billing Limits	Current	Prior	To-Date	
Total Billings	778.40	22,235.53	23,013.93	
Limit			107,000.00	
Remaining			83,986.07	
				Total this Invoice
				\$778.40

PO 46947
 # 592-537-818.000
 OK - J.K.
 SM 10/20/22
 FS 10-28-22



ANDERSON, ECKSTEIN & WESTRICK, INC.
 CIVIL ENGINEERS SURVEYORS ARCHITECTS
 51301 SCHOENHERR RD. SHELBY TOWNSHIP, MI 48315
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INVOICE

October 17, 2022
 Project No: 0160-0450-0
 Invoice No: 0140290

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0450-0 2022 MISC CONCRETE REPAIR PROGRAM
 PURCHASE ORDER #22-47268 - \$104,000.00
 FOR: CONTRACT ADMIN., MEASURING, MARKING PAVEMENT
Professional Services from August 29, 2022 to September 25, 2022

*PO 47268
 # 202-451-974.201
 OK - J.K. SM 10/20/22
 EJ 10-20-22*

Fee

Construction Cost	521,000.00		
Fee Percentage	5.00		
Total Fee	26,050.00		
Percent Complete	40.00	Total Earned	10,420.00
		Previous Fee Billing	5,210.00
		Current Fee Billing	5,210.00
		Total Fee	5,210.00

Professional Personnel

	Hours	Rate	Amount	
SECRETARIAL				
SECRETARIAL	.40	35.70	14.28	
PRINTS				
ENGINEERING AIDE I	.60	60.40	36.24	
PRELIMINARY ENGINEERING				
TEAM LEADER	3.50	90.20	315.70	
CONTRACT ADMINISTRATION				
PRINCIPAL ENGINEER	3.30	111.20	366.96	
LICENSED ENG/SUR/ARC	2.50	111.20	278.00	
GRADUATE ENG/SUR/ARC	6.00	90.20	541.20	
TEAM LEADER	.50	90.20	45.10	
MEETINGS				
GRADUATE ENG/SUR/ARC	3.00	90.20	270.60	
TEAM LEADER	2.00	90.20	180.40	
CONSTRUCTION OBSERVATION				
ENGINEERING AIDE III	3.00	75.60	226.80	
GIS UPDATES				
ENGINEERING AIDE III	2.00	75.60	151.20	
Totals	26.80		2,426.48	
Total Labor				2,426.48

Billing Limits	Current	Prior	To-Date	
Total Billings	7,636.48	10,269.41	17,905.89	
Limit			104,000.00	
Remaining			86,094.11	
		Total this Invoice		\$7,636.48

Please include the project number and invoice number on your check.



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INVOICE

October 17, 2022
 Project No: 0160-0454-0
 Invoice No: 0140291

CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

Project 0160-0454-0 2022 SEWER REHAB BY FULL LENGTH CIPP LIN
 PURCHASE ORDER #22-47272 - \$45,200.00
 FOR: DESIGN, CONTRACT ADMIN., CONSTRUCTION OBSERVATION
Professional Services from August 29, 2022 to September 25, 2022

Fee

Construction Cost	225,999.40		
Fee Percentage	7.34		
Total Fee	16,588.36		
Percent Complete	100.00	Total Earned	16,588.36
		Previous Fee Billing	8,294.18
		Current Fee Billing	8,294.18
		Total Fee	8,294.18

Professional Personnel

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
PRINCIPAL ENGINEER	1.00	111.20	111.20	
GRADUATE ENG/SUR/ARC	.50	90.20	45.10	
TEAM LEADER	6.00	90.20	541.20	
ENGINEERING AIDE III	4.40	75.60	332.64	
CONSTRUCTION OBSERVATION				
ENGINEERING AIDE III	127.20	75.60	9,616.32	
ENGINEERING AIDE II	3.50	66.90	234.15	
CCTV REVIEW				
TEAM LEADER	2.00	90.20	180.40	
Totals	144.60		11,061.01	
Total Labor				11,061.01

Billing Limits

	Current	Prior	To-Date
Total Billings	19,355.19	11,552.23	30,907.42
Limit			45,200.00
Remaining			14,292.58

Total this Invoice \$19,355.19

P047272
 # 592-537-976.001
 OK - J.K. FS 10-20-22
 SM 10/20/22



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

51301 Schoenherr Road, Shelby Township, MI 48315
586.726.1234 | www.aewinc.com

November 2, 2022

Shawn Murphy, Controller
City of Grosse Pointe Woods
20025 Mack Avenue
Grosse Pointe Woods, Michigan 48236-2397

Reference: Allard Reconstruction (Harper – Chester)
City of Grosse Pointe Woods
AEW Project No. 0160-0433

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 7 for the above referenced project. For work performed through October 30, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$34,408.63** to Florence Cement Company, 51515 Corridor, Shelby Twp., MI 48315.

If you have questions or require additional information, please contact our office.

Sincerely,

DocuSigned by:
Ross Wilberding
205B23CECB0242B...

Ross T. Wilberding
Project Manager

cc: Frank Schulte, City Administrator
Jim Kowalski, Director of Public Services
Jeanne Duffy, Grosse Pointe Woods
Susan Como, Assistant City Administrator
Frank Prano, Florence Cement Company

PO 22-46943
203-451-975.300 \$3,784.95
203-451-977.804 \$ 22,021.52
592-537-975.400 \$ 8,602.16
OF J.K.
SM 11/2/2022
FS 11-2-22



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 7:41 AM
FieldManager 5.3c

Contract: .0160-0433, Allard Reconstruction (Harper-Chester)

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
7	10/30/2022	Michelle Ankawi	Semi-Monthly	Anderson, Eckstein and Westrick, Inc.
All Contract Work Completed		Construction Started Date	Prime Contractor	
			Florence Cement Company 51515 Corridor Shebly Township MI 48315	
Comments				
Current Contract Amount: \$1,029,769.79 % Completed: 86%				

Item Usage Summary

Project: Allard Recons, Harper to Chester
Category: 0001, Reconstruction

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Proposed Trees	Ea	8157050	0235	0235	00	000	21.000	650.00	\$13,650.00
Sodding	Syd	8160055	0240	0240	00	000	3,183.840	3.36	\$10,697.70
Topsoil Surface, Furn, 3 inch	Syd	8160061	0245	0245	00	000	3,183.840	3.16	\$10,060.93
Subtotal for Category 0001:									\$34,408.63
Subtotal for Project Allard Recons:									\$34,408.63
Total Estimated Item Payment:									\$34,408.63

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
Allard Recons, Harper to Chester	0007	\$34,408.63	\$0.00	\$34,408.63
Voucher Total:				\$34,408.63



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 7:41 AM
FieldManager 5.3c

Summary

Current Voucher Total:	\$34,408.63	Earnings to date:	\$889,896.56
-Current Retainage:	\$0.00	- Retainage to date:	\$48,989.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
Total Estimated Payment:	\$34,408.63	Net Earnings to date:	\$840,907.56
		- Payments to date:	\$806,498.93
		Net Earnings this period:	\$34,408.63

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

Ross Wilberding

11/02/2022

205823CEC802428...
Ross T. Wilberding, PE

(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 7

11/2/2022 7:41 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Contract: .0160-0433, Allard Reconstruction (Harper-Chester)

Project: Allard Recons, Harper to Chester

Category: 0001, Reconstruction

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0005	_ Reimbursed Permit Fees	1027060	1,000.000	Dir		720.000	720.000	72%	1.00000	\$720.00
0010	Mobilization, Max 3%	1500001	1.000	LS		1.000	1.000	100%	28,537.28000	\$28,537.28
0015	Tree, Rem, 19 inch to 36 inch	2020002	7.000	Ea		7.000	7.000	100%	2,000.00000	\$14,000.00
0020	Tree, Rem, 37 inch or Larger	2020003	1.000	Ea		0.000			3,500.00000	
0025	Tree, Rem, 6 inch to 18 inch	2020004	9.000	Ea		9.000	9.000	100%	225.00000	\$2,025.00
0030	Dr Structure, Rem	2030011	17.000	Ea		19.000	19.000	112%	345.25000	\$6,559.75
0035	Sewer, Rem, Less than 24 inch	2030015	325.000	Ft		318.000	318.000	98%	23.15000	\$7,361.70
0040	Pavt, Rem	2040050	6,250.000	Syd		5,879.880	5,879.880	94%	5.35000	\$31,457.36
0045	Sidewalk, Rem	2040055	250.000	Syd		246.720	246.720	99%	8.10000	\$1,998.43
0050	_ Station Grading	2057002	19.000	Sta		19.000	19.000	100%	3,382.00000	\$64,258.00
0055	_ Subgrade Undercutting, Modified	2057021	143.000	Cyd		93.400	93.400	65%	60.00000	\$5,604.00
0060	_ Subgrade Undercutting, Special	2057021	150.000	Cyd		0.000			52.10000	
0065	Ero Con, inlet Protection, Fabric Drop	2080020	17.000	Ea		15.000	15.000	88%	103.00000	\$1,545.00
0070	Aggregate Base, 6 inch	3020016	110.000	Syd		100.820	100.820	92%	15.40000	\$1,552.63
0075	Aggregate Base, 11 inch	3020028	5,900.000	Syd		5,711.280	5,711.280	97%	15.50000	\$88,524.84
0080	Maintenance Gravel	3060020	500.000	Ton		0.000			19.00000	
0085	Sewer, Ci IV, 12 inch, Tr Det B	4020987	325.000	Ft		316.000	316.000	97%	123.00000	\$38,868.00
0090	Sewer, Ci IV, 15 inch, Tr Det B	4020988	8.000	Ft		8.000	8.000	100%	161.00000	\$1,288.00
0095	_ Sewer, Sch 40 PVC, 10 inch, Tr Det B	4027001	6.000	Ft		13.000	13.000	217%	190.00000	\$2,470.00
0100	_ Sewer Connection, 10 inch	4027050	1.000	Ea		2.000	2.000	200%	232.00000	\$464.00
0105	_ Sewer Connection, 15 inch	4027050	2.000	Ea		2.000	2.000	100%	290.00000	\$580.00
0110	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea		1.000	1.000	50%	515.00000	\$515.00
0115	Dr Structure Cover, Adj, Case 2	4030006	2.000	Ea		1.000	1.000	50%	254.00000	\$254.00
0120	Dr Structure, 24 inch dia	4030200	7.000	Ea		7.000	7.000	100%	1,967.00000	\$13,769.00
0125	Dr Structure, 48 inch dia	4030210	2.000	Ea		3.000	3.000	150%	3,089.00000	\$9,267.00
0130	_ Catch Basin Cover, Restricted, GPW	4037050	14.000	Ea		14.000	14.000	100%	253.00000	\$3,542.00
0135	_ Dr Structure, 36 inch dia	4037050	7.000	Ea		7.000	7.000	100%	2,452.00000	\$17,164.00
0140	_ External Structure Wrap, 18 inch	4037050	21.000	Ea		17.000	17.000	81%	436.50000	\$7,420.50
0145	_ Storm Manhole Cover, GPW	4037050	5.000	Ea		2.000	2.000	40%	348.00000	\$696.00

Contract: .0160-0433

Estimate: 7

Page 1 of 3



Construction Pay Estimate Amount Balance Report

Estimate: 7

11/2/2022 7:41 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Allard Recons, Harper to Chester

Category: 0001, Reconstruction

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0150	Underdrain, Subgrade, 4 inch	4040071	3,650.000	Ft		3,645.000	3,645.000	99%	11.00000	\$40,095.00
0155	_ Pop-Up Emitter, Storm Drain, Residential	4047050	2.000	Ea		0.000			584.00000	
0160	HMA Surface, Rem	5010005	4,850.000	Syd		4,684.450	4,684.450	97%	1.65000	\$7,729.35
0165	HMA, 4E1	5010050	860.000	Ton		898.880	898.880	105%	105.00000	\$94,382.40
0170	HMA, 5E1	5010056	570.000	Ton		622.330	622.330	109%	115.00000	\$71,567.95
0175	Conc Pavt w/ Int Curb,Nonreinf,8 inch	6020164	100.000	Syd		100.820	100.820	101%	65.00000	\$6,553.30
0180	Lane Tie, Epoxy Anchored	6030030	50.000	Ea		0.000			10.00000	
0185	Driveway, Nonreinf Conc, 6 inch	8010005	825.000	Syd		741.960	741.960	90%	50.50000	\$37,468.98
0190	Driveway, Nonreinf Conc, 8 inch	8010007	75.000	Syd		61.010	61.010	81%	60.00000	\$3,660.60
0195	Curb and Gutter, Conc, Det F2	8020036	3,800.000	Ft		3,629.400	3,629.400	96%	20.50000	\$74,402.70
0200	Driveway Opening, Conc, Det M	8020050	100.000	Ft		97.400	97.400	97%	25.50000	\$2,483.70
0205	Detectable Warning Surface	8030010	99.500	Ft		80.000	80.000	80%	40.00000	\$3,200.00
0210	Sidewalk Ramp, Conc, 4 inch	8030034	1,000.000	Sft		1,151.700	1,151.700	115%	7.50000	\$8,637.75
0215	Sidewalk, Conc, 4 inch	8030044	120.000	Sft		293.800	293.800	245%	6.00000	\$1,762.80
0220	Sidewalk, Conc, 6 inch	8030046	50.000	Sft		423.260	423.260	847%	7.00000	\$2,962.82
0225	_ Sidewalk Ramp, Conc, 8 inch	8037010	1,225.000	Sft		621.250	621.250	51%	8.50000	\$5,280.63
0230	_ Traffic Control, Minor Street	8127051	1.000	LS		1.000	1.000	100%	34,690.00000	\$34,690.00
0235	_ Proposed Trees	8157050	20.000	Ea	21.000	21.000	21.000	105%	650.00000	\$13,650.00
0240	Sodding	8160055	3,250.000	Syd	3,183.840	3,183.840	3,183.840	98%	3.36000	\$10,697.70
0245	Topsoil Surface, Furn, 3 inch	8160061	3,250.000	Syd	3,183.840	3,183.840	3,183.840	98%	3.16000	\$10,060.93
0250	Water, Sodding/Seeding	8160090	100.000	Unit		0.000			55.00000	
0255	_ Staking First Row of Sod	8167001	3,500.000	Ft		0.000			0.43000	
0260	Water Shutoff, Adj, Case 1	8230421	1.000	Ea		0.000			951.01000	
0265	_ Irrigation Pipe	8237001	1,600.000	Ft		636.000	636.000	40%	3.00000	\$1,908.00
0270	_ Sprinkler Head	8237050	160.000	Ea		72.000	72.000	45%	60.00000	\$4,320.00
0275	_ Sprinkler Head, Adj	8237050	20.000	Ea		0.000			60.00000	
0280	_ Audio Visual Record of Construction Area	8507051	1.000	LS		1.000	1.000	100%	840.00000	\$840.00
0285	_ Rubbish Pickup	8507051	1.000	LS		0.000			5,300.00000	



Construction Pay Estimate Amount Balance Report

Estimate: 7

11/2/2022 7:41 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Allard Recons, Harper to Chester

Category: 0001, Reconstruction

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0325	_ Pollution Liability Insurance Policy	1027051	1.000	LS		1.000	1.000	100%	1,553.00000	\$1,553.00
0330	Pedestrian Type II Barricade, Temp	8120026	8.000	Ea		8.000	8.000	100%	110.00000	\$880.00
0335	Dr Structure, Tap, 12 inch	4030312	4.000	Ea		4.000	4.000	100%	664.25000	\$2,657.00
0340	_ Sewer Bulkhead, 6 inch	4027050	9.000	Ea		9.000	9.000	100%	150.00000	\$1,350.00
Subtotal for Category 0001:										793236.10

Category: 0002, Maintenance

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0290	_ Curb and Gutter, Rem, Modified	2047001	100.000	Ft		0.000			46.00000	
0295	_ Pavt Joint and Crack Repr, Det 7, Special	5017001	5,250.000	Ft		2,330.100	2,330.100	44%	10.40000	\$24,233.04
0300	_ HMA Surface, Rem, Modified	5017011	1,500.000	Syd		987.940	987.940	66%	43.00000	\$42,481.42
0305	_ Hand Patching, Modified	5017031	420.000	Ton		241.500	241.500	58%	124.00000	\$29,946.00
0310	_ Curb and Gutter, Conc, Det F2, Modified	8027001	100.000	Ft		0.000			30.00000	
0345	_ Remobilization, Bonds, Traffic Control, Sanitary Facilities	1027051	1.000	LS		0.000			4,950.00000	
Subtotal for Category 0002:										96660.46

Subtotal for Project Allard Recons: 889896.56

Percentage of Contract Completed(curr): 86%
(total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$34,408.63

Total Amount Earned To Date: \$889,896.56



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS
51301 Schoenherr Road, Shelby Township, MI 48315
586.726.1234 | www.aewinc.com

November 2, 2022

Shawn Murphy, Controller
City of Grosse Pointe Woods
20025 Mack Avenue
Grosse Pointe Woods, Michigan 48236-2397

Reference: 2021 Water Main Replacement Program
Hollywood, Severn & Christine Court
AEW Project No. 0160-0426

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 8 for the above referenced project. For work performed through October 30, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$16,591.40** to Fontana Construction, Inc., 6340 Sims Drive, Sterling Heights, MI 48313

If you have questions or require additional information, please contact our office.

Sincerely,

DocuSigned by:
Ross Wilberding
205B23CECB0242B...

Ross T. Wilberding, PE
Project Manager

P021-46244
592-537-977.300
OK - J.K.
SM 11/2/22

cc: Frank Schulte, City Administrator
Jim Kowalski, Director of Public Services
Jeanne Duffy, Grosse Pointe Woods
Susan Como, Assistant City Administrator
Fontana Construction, Inc.

RS 11-2-22



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 7:57 AM

FieldManager 5.3c

Contract: .0160-0426, 2021 Water Main Replacement Program

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
8	10/30/2022	Michelle Ankawi	Semi-Monthly	Anderson, Eckstein and Westrick, Inc.
All Contract Work Completed		Construction Started Date	Prime Contractor	
		7/6/2021	Fontana Construction, Inc. 6340 Sims Drive Sterling Heights MI 48313	
Comments				
Current Contract Amount: \$1,625,631.70 % Completed: 72%				

Item Usage Summary

Project: Hollywood, Marter to Goethe
Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Sanitary Lead Repair	Ea	8237050	0755	0490	SA	001	1.000	7,700.40	\$7,700.40
Subtotal for Category 0000:									\$7,700.40
Subtotal for Project Hollywood:									\$7,700.40

Project: MISC, Various Locations
Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Water Service Repair	Ea	8237050	0760	0530	SA	001	1.000	8,891.00	\$8,891.00
Subtotal for Category 0000:									\$8,891.00
Subtotal for Project MISC:									\$8,891.00
Total Estimated Item Payment:									\$16,591.40

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
Hollywood, Marter to Goethe	0006	\$7,700.40	\$0.00	\$7,700.40



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 7:57 AM

FieldManager 5.3c

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
MISC, Various Locations	0003	\$8,891.00	\$0.00	\$8,891.00
			Voucher Total:	\$16,591.40

Summary

Current Voucher Total:	\$16,591.40	Earnings to date:	\$1,164,080.15
-Current Retainage:	\$0.00	- Retainage to date:	\$40,000.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<hr/>		<hr/>	
Total Estimated Payment:	\$16,591.40	Net Earnings to date:	\$1,124,080.15
		- Payments to date:	\$1,107,488.75
		<hr/>	
		Net Earnings this period:	\$16,591.40

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document by:

Ross Wilberding

11/02/2022

2058239CECB0242B...

Ross T. Wilberding, PE

(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

Contract: .0160-0426, 2021 Water Main Replacement Program

Project: Christine Ct., Vernier to end of cul-de-sac

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0110	_ Catch Basin Cover, Restricted, GPW	4037050	2.000	Ea		2.000	2.000	100%	501.00000	\$1,002.00
0115	_ Combined Manhole Cover, GPW	4037050	2.000	Ea		1.000	1.000	50%	488.00000	\$488.00
0120	_ Dr Structure Trap, 12 inch	4037050	2.000	Ea		0.000			50.00000	
0035	_ Driveway, Rem	2047011	85.000	Syd		133.160	133.160	157%	9.00000	\$1,198.44
0080	_ External Structure Wrap, 18 inch	4027050	4.000	Ea		0.000			600.00000	
0215	_ Fire Hydrant Assembly	8237050	1.000	Ea		1.000	1.000	100%	5,100.00000	\$5,100.00
0070	_ Geogrid	3087011	1,040.000	Syd		1,016.680	1,016.680	98%	5.00000	\$5,083.40
0205	_ Irrigation Pipe, Furn and Install	8237001	240.000	Ft		0.000			0.01000	
0130	_ Pop-Up Emitter, Storm Drain, Residential	4047050	1.000	Ea		1.000	1.000	100%	50.00000	\$50.00
0180	_ Proposed Trees	8157050	4.000	Ea		0.000			500.00000	
0255	_ Rubbish Pickup	8507051	0.200	LS		0.200	0.200	100%	500.00000	\$100.00
0085	_ Sanitary Lead Repair	4027050	2.000	Ea		0.000			1,000.00000	
0220	_ Sprinkler Head	8237050	15.000	Ea		0.000			0.01000	
0225	_ Sprinkler Head, Adj	8237050	15.000	Ea		0.000			0.01000	
0040	_ Station Grading	2057002	3.000	Sta		3.000	3.000	100%	3,000.00000	\$9,000.00
0045	_ Subgrade Undercutting, Modified	2057021	400.000	Cyd		0.000			40.00000	
0050	_ Subgrade Undercutting, Special	2057021	250.000	Cyd		0.000			30.00000	
0175	_ Traffic Control, Christine Ct	8127050	1.000	Ea		1.000	1.000	100%	5,000.00000	\$5,000.00
0230	_ Water Main Connection, 6 inch	8237050	1.000	Ea		1.000	1.000	100%	2,100.00000	\$2,100.00
0250	_ Water Main, Abandon	8237051	1.000	LS		0.000			1,000.00000	
0210	_ Water Main, PVC, SDR 14, 8 inch, Tr Det G	8237001	270.000	Ft		0.000			125.00000	
0235	_ Water Serv, Extend, Modified	8237050	5.000	Ea		0.000			500.00000	
0240	_ Water Serv, Modified	8237050	5.000	Ea		6.000	6.000	120%	580.00000	\$3,480.00
0245	_ Water Serv, Special	8237050	1.000	Ea		0.000			2,980.00000	
0060	Aggregate Base, 8 inch	3020020	1,040.000	Syd		1,039.680	1,039.680	99%	25.00000	\$25,992.00
0135	Conc Pavt w/ Int Curb, Nonreinf, 7 inch	6020162	930.000	Syd		937.800	937.800	101%	69.00000	\$64,708.20
0090	Dr Structure Cover, Adj, Case 1	4030005	2.000	Ea		1.000	1.000	50%	400.00000	\$400.00
0095	Dr Structure, 24 inch dia	4030200	1.000	Ea		1.000	1.000	100%	2,000.00000	\$2,000.00

Contract: .0160-0426

Estimate: 8

Page 1 of 7



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

Project: Christine Ct., Vernier to end of cul-de-sac

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0100	Dr Structure, 48 inch dia	4030210	1.000	Ea		1.000	1.000	100%	4,000.00000	\$4,000.00
0015	Dr Structure, Rem	2030011	2.000	Ea		2.000	2.000	100%	500.00000	\$1,000.00
0105	Dr Structure, Tap, 12 inch	4030312	1.000	Ea		1.000	1.000	100%	500.00000	\$500.00
0160	Driveway, Nonreinf Conc, 6 inch	8010005	85.000	Syd		128.530	128.530	151%	50.00000	\$6,426.50
0055	Ero Con, Inlet Protection, Fabric Drop	2080020	2.000	Ea		0.000			90.00000	
0200	Hydrant, Rem	8230091	1.000	Ea		1.000	1.000	100%	475.00000	\$475.00
0140	Joint, Expansion, E2	6020207	66.000	Ft		0.000			23.00000	
0150	Joint, Expansion, Erg	6030021	22.000	Ft		34.200	34.200	155%	18.00000	\$615.60
0145	Joint, Plane-of-Weakness, W	6020211	650.000	Ft		996.300	996.300	153%	6.00000	\$5,977.80
0155	Lane Tie, Epoxy Anchored	6030030	30.000	Ea		0.000			5.00000	
0065	Maintenance Gravel	3060020	300.000	Ton		0.000			20.00000	
0005	Mobilization, Max 3%	1500001	0.200	LS		0.200	0.200	100%	25,000.00000	\$5,000.00
0025	Pavt, Rem	2040050	930.000	Syd		931.200	931.200	100%	10.00000	\$9,312.00
0075	Sewer, CI IV, 12 inch, Tr Det B	4020987	20.000	Ft		38.900	38.900	195%	50.00000	\$1,945.00
0020	Sewer, Rem, Less than 24 inch	2030015	20.000	Ft		61.000	61.000	305%	40.00000	\$2,440.00
0165	Sidewalk, Conc, 4 inch	8030044	100.000	Sft		1,223.600	1,223.600	1224%	4.50000	\$5,506.20
0170	Sidewalk, Conc, 6 inch	8030046	300.000	Sft		244.500	244.500	82%	4.75000	\$1,161.38
0030	Sidewalk, Rem	2040055	11.000	Syd		151.350	151.350	1376%	9.00000	\$1,362.15
0185	Sodding	8160055	340.000	Syd		362.560	362.560	107%	5.00000	\$1,812.80
0190	Topsoil Surface, Furn, 3 inch	8160061	340.000	Syd		362.560	362.560	107%	4.00000	\$1,450.24
0010	Tree, Rem, 6 inch to 18 inch	2020004	4.000	Ea		3.000	3.000	75%	500.00000	\$1,500.00
0125	Underdrain, Subgrade, 4 inch	4040071	660.000	Ft		637.000	637.000	97%	15.00000	\$9,555.00
0195	Water, Sodding/Seeding	8160090	18.000	Unit		0.000			75.00000	

Subtotal for Category 0000: 185741.71

Subtotal for Project Christine Ct.: 185741.71



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Hollywood, Marter to Goethe

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0260	_ Audio Visual Record of the Construction Influence Area	1027051		LS	0.500	0.500	0.500	100%	5,000.00000	\$2,500.00
0300	_ Driveway, Rem	2047011	500.000	Syd		115.870	115.870	23%	9.00000	\$1,042.83
0445	_ Fire Hydrant Assembly	8237050	5.000	Ea		5.000	5.000	100%	5,100.00000	\$25,500.00
0450	_ Gate Well Cover, GPW	8237050	2.000	Ea		3.000	3.000	150%	488.00000	\$1,464.00
0435	_ Irrigation Pipe, Furn and Install	8237001	990.000	Ft		31.000	31.000	3%	0.01000	\$0.31
0380	_ Proposed Trees	8157050	30.000	Ea		40.000	40.000	133%	500.00000	\$20,000.00
0485	_ Rubbish Pickup	8507051	0.300	LS		0.300	0.300	100%	500.00000	\$150.00
0320	_ Sanitary Lead Repair	4027050	20.000	Ea		5.000	5.000	25%	1,000.00000	\$5,000.00
0755	_ Sanitary Lead Repair	8237050	1.000	Ea	1.000	1.000	1.000	100%	7,700.40000	\$7,700.40
0455	_ Sprinkler Head	8237050	100.000	Ea		0.000			0.01000	
0460	_ Sprinkler Head, Adj	8237050	100.000	Ea		4.000	4.000	4%	0.01000	\$0.04
0480	_ Temporary Water Service	8237051	0.400	LS		0.400	0.400	100%	25,000.00000	\$10,000.00
0375	_ Traffic Control, Hollywood	8127050	1.000	Ea		1.000	1.000	100%	3,000.00000	\$3,000.00
0465	_ Water Main Connection, 8 inch	8237050	2.000	Ea		2.000	2.000	100%	2,100.00000	\$4,200.00
0440	_ Water Main, HDPE, DR11, 8 inch, Pipe Bur st	8237001	1,852.000	Ft		2,130.600	2,130.600	115%	95.00000	\$202,407.00
0470	_ Water Serv, Modified	8237050	82.000	Ea		88.000	88.000	107%	580.00000	\$51,040.00
0475	_ Water Serv, Special	8237050	10.000	Ea		0.000			2,980.00000	
0310	Aggregate Base, 6 inch	3020016	600.000	Syd		0.000			9.00000	
0285	Curb and Gutter, Rem	2040020	40.000	Ft		0.000			20.00000	
0350	Curb Ramp Opening, Conc	8030030	16.000	Ft		0.000			25.00000	
0345	Defectable Warning Surface	8030010	14.000	Ft		0.000			40.00000	
0340	Driveway, Nonreinf Conc, 6 inch	8010005	500.000	Syd		118.310	118.310	24%	50.00000	\$5,915.50
0305	Ero Con, Inlet Protection, Fabric Drop	2080020	6.000	Ea		0.000			90.00000	
0295	Exploratory Investigation, Vertical	2040080	300.000	Ft		0.000			125.00000	
0400	Gate Valve, 8 inch	8230062	2.000	Ea		3.000	3.000	150%	2,000.00000	\$6,000.00
0430	Gate Well, 60 inch dia	8230360	2.000	Ea		3.000	3.000	150%	2,900.00000	\$8,700.00
0405	Gate Well, Rem	8230076	2.000	Ea		2.000	2.000	100%	475.00000	\$950.00
0410	Hydrant, Rem	8230091	5.000	Ea		5.000	5.000	100%	475.00000	\$2,375.00



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Hollywood, Marter to Goethe

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0325	Lane Tie, Epoxy Anchored	6030030	250.000	Ea		0.000			5.00000	
0315	Maintenance Gravel	3060020	300.000	Ton		75.640	75.640	25%	20.00000	\$1,512.80
0265	Mobilization, Max 3%	1500001	0.300	LS		0.300	0.300	100%	25,000.00000	\$7,500.00
0330	Pavt Repr, Nonreinf Conc, 7 inch	6030042	298.340	Syd		0.000			55.00000	
0335	Pavt Repr, Rem	6030080	600.000	Syd		0.000			10.00000	
0355	Sidewalk Ramp, Conc, 4 inch	8030034	100.000	Sft		0.000			5.00000	
0360	Sidewalk Ramp, Conc, 6 inch	8030036	125.000	Sft		0.000			6.00000	
0365	Sidewalk, Conc, 4 inch	8030044	900.000	Sft		1,495.500	1,495.500	166%	4.50000	\$6,729.75
0370	Sidewalk, Conc, 6 inch	8030046	200.000	Sft		69.500	69.500	35%	4.75000	\$330.13
0290	Sidewalk, Rem	2040055	100.000	Syd		163.477	163.477	163%	9.00000	\$1,471.29
0385	Sodding	8160055	2,500.000	Syd		1,297.640	1,297.640	52%	5.00000	\$6,488.20
0390	Topsoil Surface, Furn, 3 inch	8160061	2,500.000	Syd		1,297.640	1,297.640	52%	4.00000	\$5,190.56
0270	Tree, Rem, 19 inch to 36 inch	2020002	10.000	Ea		11.000	11.000	110%	1,200.00000	\$13,200.00
0275	Tree, Rem, 37 inch or Larger	2020003	2.000	Ea		2.000	2.000	100%	2,000.00000	\$4,000.00
0280	Tree, Rem, 6 inch to 18 inch	2020004	20.000	Ea		14.000	14.000	70%	500.00000	\$7,000.00
0415	Water Main, 8 inch, Cut and Plug	8230132	2.000	Ea		0.000			327.00000	
0420	Water Serv	8230240	5.000	Ea		4.000	4.000	80%	800.00000	\$3,200.00
0425	Water Serv, Long	8230245	5.000	Ea		0.000			1,500.00000	
0395	Water, Sodding/Seeding	8160090	100.000	Unit		0.000			75.00000	

Subtotal for Category 0000: 414567.81

Subtotal for Project Hollywood: 414567.81

Project: MISC, Various Locations

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0520	_ Gate Well Cover, GPW	8237050	2.000	Ea		0.000			488.00000	



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: MISC, Various Locations

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0490	_ Traffic Control, Miscellaneous	8127050	1.000	Ea		0.000			3,000.00000	
0515	_ Water Main, Remove	8237001	20.000	Ft		15.000	15.000	75%	10.00000	\$150.00
0525	_ Water Serv, Special	8237050	25.000	Ea		16.000	16.000	64%	2,980.00000	\$47,680.00
0760	_ Water Service Repair	8237050	1.000	Ea	1.000	1.000	1.000	100%	8,891.00000	\$8,891.00
0495	Gate Valve, 8 inch	8230062	2.000	Ea		0.000			2,000.00000	
0510	Gate Well, 60 inch dia	8230360	2.000	Ea		0.000			2,900.00000	
0500	Water Serv	8230240	10.000	Ea		0.000			800.00000	
0505	Water Serv, Long	8230245	15.000	Ea		0.000			1,500.00000	

Subtotal for Category 0000: 56721.00

Subtotal for Project MISC: 56721.00

Project: Severn, Mack to Craig

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0530	_ Audio Visual Record of the Construction Influence Area	1027051	0.500	LS		0.500	0.500	100%	5,000.00000	\$2,500.00
0565	_ Driveway, Rem	2047011	500.000	Syd		88.960	88.960	18%	9.00000	\$800.64
0710	_ Fire Hydrant Assembly	8237050	4.000	Ea		5.000	5.000	125%	5,100.00000	\$25,500.00
0715	_ Gate Well Cover, GPW	8237050	7.000	Ea		4.000	4.000	57%	488.00000	\$1,952.00
0700	_ Irrigation Pipe, Furn and Install	8237001	1,500.000	Ft		94.290	94.290	6%	0.01000	\$0.94
0645	_ Proposed Trees	8157050	30.000	Ea		0.000			500.00000	
0750	_ Rubbish Pickup	8507051	0.500	LS		0.500	0.500	100%	500.00000	\$250.00
0585	_ Sanitary Lead Repair	4027050	2.000	Ea		0.000			1,000.00000	
0720	_ Sprinkler Head	8237050	100.000	Ea		4.000	4.000	4%	0.01000	\$0.04
0725	_ Sprinkler Head, Adj	8237050	100.000	Ea		4.000	4.000	4%	0.01000	\$0.04
0745	_ Temporary Water Service	8237051	0.600	LS		0.600	0.600	100%	25,000.00000	\$15,000.00



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Severn, Mack to Craig

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0640	_ Traffic Control, Severn & Craig	8127050	1.000	Ea		1.000	1.000	100%	3,000.00000	\$3,000.00
0730	_ Water Main Connection, 8 inch	8237050	4.000	Ea		4.000	4.000	100%	2,100.00000	\$8,400.00
0705	_ Water Main, HDPE, DR11, 8 inch, Pipe Bur st	8237001	3,350.000	Ft		3,321.000	3,321.000	99%	95.00000	\$315,495.00
0735	_ Water Serv, Modified	8237050	86.000	Ea		83.000	83.000	97%	580.00000	\$48,140.00
0740	_ Water Serv, Special	8237050	15.000	Ea		2.000	2.000	13%	2,980.00000	\$5,960.00
0575	Aggregate Base, 6 inch	3020016	600.000	Syd		25.500	25.500	4%	9.00000	\$229.50
0555	Curb and Gutter, Rem	2040020	40.000	Ft		0.000			20.00000	
0615	Curb Ramp Opening, Conc	8030030	32.000	Ft		0.000			25.00000	
0610	Detectable Warning Surface	8030010	35.000	Ft		20.000	20.000	57%	40.00000	\$800.00
0605	Driveway, Nonreinf Conc, 6 inch	8010005	500.000	Syd		60.560	60.560	12%	50.00000	\$3,028.00
0570	Ero Con, Inlet Protection, Fabric Drop	2080020	5.000	Ea		0.000			90.00000	
0665	Gate Valve, 8 inch	8230062	7.000	Ea		4.000	4.000	57%	2,000.00000	\$8,000.00
0695	Gate Well, 60 inch dia	8230360	7.000	Ea		4.000	4.000	57%	2,900.00000	\$11,600.00
0670	Gate Well, Rem	8230076	7.000	Ea		5.000	5.000	71%	475.00000	\$2,375.00
0675	Hydrant, Rem	8230091	4.000	Ea		5.000	5.000	125%	475.00000	\$2,375.00
0590	Lane Tie, Epoxy Anchored	6030030	250.000	Ea		21.000	21.000	8%	5.00000	\$105.00
0580	Maintenance Gravel	3060020	300.000	Ton		0.000			20.00000	
0535	Mobilization, Max 3%	1500001	0.500	LS		0.500	0.500	100%	25,000.00000	\$12,500.00
0595	Pavt Repr, Nonreinf Conc, 7 inch	6030042	600.000	Syd		25.500	25.500	4%	55.00000	\$1,402.50
0600	Pavt Repr, Rem	6030080	600.000	Syd		25.500	25.500	4%	10.00000	\$255.00
0620	Sidewalk Ramp, Conc, 4 inch	8030034	100.000	Sft		0.000			5.00000	
0625	Sidewalk Ramp, Conc, 6 inch	8030036	100.000	Sft		161.400	161.400	161%	6.00000	\$968.40
0630	Sidewalk, Conc, 4 inch	8030044	900.000	Sft		779.500	779.500	87%	4.50000	\$3,507.75
0635	Sidewalk, Conc, 6 inch	8030046	200.000	Sft		0.000			4.75000	
0560	Sidewalk, Rem	2040055	100.000	Syd		156.320	156.320	156%	9.00000	\$1,406.88
0650	Sodding	8160055	2,750.000	Syd		1,188.660	1,188.660	43%	5.00000	\$5,943.30
0655	Topsoil Surface, Furn, 3 inch	8160061	2,750.000	Syd		1,188.660	1,188.660	43%	4.00000	\$4,754.64
0540	Tree, Rem, 19 inch to 36 inch	2020002	10.000	Ea		5.000	5.000	50%	1,200.00000	\$6,000.00



Construction Pay Estimate Amount Balance Report

Estimate: 8

11/2/2022 7:57 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Project: Severn, Mack to Craig

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0545	Tree, Rem, 37 inch or Larger	2020003	2.000	Ea		1.000	1.000	50%	2,000.00000	\$2,000.00
0550	Tree, Rem, 6 inch to 18 inch	2020004	20.000	Ea		13.000	13.000	65%	500.00000	\$6,500.00
0680	Water Main, 8 inch, Cut and Plug	8230132	1.000	Ea		0.000			327.00000	
0685	Water Serv	8230240	7.000	Ea		6.000	6.000	86%	800.00000	\$4,800.00
0690	Water Serv, Long	8230245	8.000	Ea		1.000	1.000	13%	1,500.00000	\$1,500.00
0660	Water, Sodding/Seeding	8160090	105.000	Unit		0.000			75.00000	

Subtotal for Category 0000: 507049.63

Subtotal for Project Severn: 507049.63

Percentage of Contract Completed(curr): 72%
 (total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$16,591.40

Total Amount Earned To Date: \$1,164,080.15



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

51301 Schwaner Road, Shelby Township, MI 48315
586.726.1234 | www.aewinc.com

November 2, 2022

Shawn Murphy, Deputy Controller
City of Grosse Pointe Woods
20025 Mack Avenue
Grosse Pointe Woods, Michigan 48236-2397

Reference: 2022 Sewer Rehabilitation by Full Length C.I.P.P. Lining
City of Grosse Pointe Woods
AEW Project No. 0160-0454

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 3 for the above referenced project. For work performed through October 30, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$4,602.70** to Insituform Technologies USA, LLC, PO Box 74008440 Chicago, IL 60674-8440

If you have questions or require additional information, please contact our office.

Sincerely,

DocuSigned by:
Frank Varicalli
C4D17CC8031F4D4...

Frank D. Varicalli
Infrastructure Rehab Group Lead

cc: Frank Schulte, City Administrator
Jim Kowalski, Director of Public Services
Jeanne Duffy, Grosse Pointe Woods
Susan Como, Assistant City Administrator
Ursula Youngblood, Insituform Technologies USA, LLC
Matt Brinkoetter, Insituform Technologies USA, LLC

PO 47293
592-537-976.002
OK - J.K.
SM 11/4/22
FS 11-7-22



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 2:51 PM
FieldManager 5.3c

Contract: .0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
3	10/30/2022	Michelle Ankawi	Semi-Monthly	Anderson, Eckstein and Westrick, Inc.
All Contract Work Completed		Construction Started Date	Prime Contractor	
			Insituform Technologies USA, LLC 580 Goddard Avenue Chesterfield MO 63005	
Comments				
Current Contract Amount: \$225,999.40 % Completed: 102%				

Item Usage Summary

Project: 0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining
Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Sewer, Post-Construction, CCTV, 12 inch	Ft	4027001	0035	0035	00	000	-64.000	1.10	-\$70.40
_ Sewer, Pre-Construction, Clean and CCTV, 10 inch	Ft	4027001	0045	0045	00	000	12.000	4.80	\$57.60
_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	Ft	4027001	0050	0050	00	000	16.000	5.00	\$80.00
_ Sewer, Pre-Construction, Clean and CCTV, 15 inch	Ft	4027001	0055	0055	00	000	15.000	5.30	\$79.50
_ Traffic Maintenance and Control	LS	8127051	0080	0080	00	000	0.500	6,312.00	\$3,156.00
Subtotal for Category 0000:									<u>\$3,302.70</u>
Subtotal for Project 0160-0454:									<u>\$3,302.70</u>
Total Estimated Item Payment:									<u>\$3,302.70</u>

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining	0003	\$3,302.70	\$0.00	\$3,302.70
Voucher Total:				\$3,302.70



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 2:51 PM
FieldManager 5.3c

Summary

Current Voucher Total:	\$3,302.70	Earnings to date:	\$230,650.70
-Current Retainage:	(\$1,300.00)	- Retainage to date:	\$10,000.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
Total Estimated Payment:	\$4,602.70	Net Earnings to date:	\$220,650.70
		- Payments to date:	\$216,048.00
		Net Earnings this period:	\$4,602.70

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

Frank Varicalli
11/02/2022

Frank D Varicalli, AEW, Inc.
(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 3

11/2/2022 2:51 PM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Contract: .0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining

Project: 0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0005	_ Audio Visual Record of Construction Area	1027051	1.000	LS		1.000	1.000	100%	2,646.40000	\$2,646.40
0010	_ Bonds, Insurance and Initial Set-Up Expense (3% Max)	1027051	1.000	LS		1.000	1.000	100%	6,500.00000	\$6,500.00
0015	_ Sewer, CIPP, 10 inch, Full Length	4027001	750.000	Ft		751.000	751.000	100%	31.20000	\$23,431.20
0020	_ Sewer, CIPP, 12 inch, Full Length	4027001	2,400.000	Ft		2,380.000	2,380.000	99%	46.70000	\$111,146.00
0025	_ Sewer, CIPP, 15 inch, Full Length	4027001	650.000	Ft		644.000	644.000	99%	62.10000	\$39,992.40
0030	_ Sewer, Post-Construction, CCTV, 10 inch	4027001	750.000	Ft		751.000	751.000	100%	1.10000	\$826.10
0035	_ Sewer, Post-Construction, CCTV, 12 inch	4027001	2,400.000	Ft	-64.000	2,380.000	2,380.000	99%	1.10000	\$2,618.00
0040	_ Sewer, Post-Construction, CCTV, 15 inch	4027001	650.000	Ft		644.000	644.000	99%	1.10000	\$708.40
0045	_ Sewer, Pre-Construction, Clean and CCTV, 10 inch	4027001	750.000	Ft	12.000	751.000	751.000	100%	4.80000	\$3,604.80
0050	_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	4027001	2,400.000	Ft	16.000	2,380.000	2,380.000	99%	5.00000	\$11,900.00
0055	_ Sewer, Pre-Construction, Clean and CCTV, 15 inch	4027001	650.000	Ft	15.000	644.000	644.000	99%	5.30000	\$3,413.20
0060	_ Cutting Service Lead Protrusions	4027050	5.000	Ea		10.000	10.000	200%	52.90000	\$529.00
0065	_ Lateral, Preparation	4027050	10.000	Ea		0.000			52.90000	
0070	_ Lateral, Reinstate	4027050	83.000	Ea		90.000	90.000	108%	90.40000	\$8,136.00
0075	_ Mineral Deposit, Rem	4027050	50.000	Ea		168.000	168.000	336%	52.90000	\$8,887.20
0080	_ Traffic Maintenance and Control	8127051	1.000	LS	0.500	1.000	1.000	100%	6,312.00000	\$6,312.00
0085	_ Deliverables	8267051	1.000	LS		0.000			529.30000	

Subtotal for Category 0000: 230650.70

Subtotal for Project 0160-0454: 230650.70

Percentage of Contract Completed(curr): 102%
(total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$3,302.70

Total Amount Earned To Date: \$230,650.70



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

51301 Schoenherr Road, Shelby Township, MI 48315
586.726.1234 | www.aewinc.com

November 2, 2022

Shawn Murphy, Deputy Controller
City of Grosse Pointe Woods
20025 Mack Avenue
Grosse Pointe Woods, Michigan 48236-2397

Reference: 2022 Miscellaneous Concrete Pavement Repair Program
City of Grosse Pointe Woods
AEW Project No. 0160-0450

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 1 for the above referenced project. For work performed through October 30, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$319,207.33** to Mattioli Cement Co. LLC, 6085 McGuire Road, Fenton, MI 48430.

If you have questions or require additional information, please contact our office.

Sincerely,

DocuSigned by:
Frank Varicalli
C4D17CC8031F4D4...

Frank D. Varicalli
Infrastructure Rehab Group Lead

cc: Frank Schulte, City Administrator
Jim Kowalski, Director of Public Services
Jeanne Duffy, Grosse Pointe Woods
Susan Como, Assistant City Administrator
John Mattioli, Mattioli Cement Co., LLC

PO47294
202-451-974.200 \$95,762.20
203-451-974.200 \$63,841.46
585-561-977.000 \$63,841.46
592-537-975.400 \$95,762.21
OK - J.K.
SM 11/2/22
FS 11-2-22



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 8:09 AM

FieldManager 5.3c

Contract: .0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Re

Estimate No. 1	Estimate Date 10/30/2022	Entered By Michelle Ankawi	Estimate Type Semi-Monthly	Managing Office Anderson, Eckstein and Westrick, Inc.
All Contract Work Completed		Construction Started Date 9/27/2022	Prime Contractor Mattioli Cement Co. LLC 6085 McGuire Road Fenton MI 48430	
Comments Current Contract Amount: \$641,535.00 % Completed: 53%				

Item Usage Summary

Project: 0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Rep

Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Bonds, Insurance and Initial Set-Up Expense (3% Max)	LS	1027051	0005	0005	00	000	1.000	17,000.00	\$17,000.00
_ Driveway, Conc, Rem	Syd	2047011	0030	0030	00	000	109.070	15.00	\$1,636.05
_ Sewer, PVC Truss, 12 inch, Tr Det B	Ft	4027001	0050	0050	00	000	9.200	70.00	\$644.00
_ External Structure Wrap, 12 inch	Ea	4027050	0055	0055	00	000	7.000	610.00	\$4,270.00
_ External Structure Wrap, 18 inch	Ea	4027050	0060	0060	00	000	13.000	775.00	\$10,075.00
Dr Structure Cover, Adj, Case 1, Modified	Ea	4030004	0065	0065	00	000	26.000	520.00	\$13,520.00
Dr Structure, Adj, Add Depth	Ft	4030280	0080	0080	00	000	5.000	265.00	\$1,325.00
Dr Structure, Tap, 4 inch	Ea	4030304	0085	0085	00	000	10.000	195.00	\$1,950.00
_ Dr Structure Frame and Cover, Storm Catch Basin	Ea	4037050	0105	0105	00	000	10.000	675.00	\$6,750.00
_ Underdrain, Subgrade, 4 inch, Modified	Ft	4047001	0125	0125	00	000	474.000	19.00	\$9,006.00
Joint, Expansion, E2	Ft	6020207	0130	0130	00	000	82.000	31.00	\$2,542.00
Lane Tie, Epoxy Anchored	Ea	6030030	0140	0140	00	000	781.000	7.00	\$5,467.00
Pavt Repr, Nonreinf Conc, 8 inch	Syd	6030044	0145	0145	00	000	3,220.471	60.00	\$193,228.26
_ Full Depth Sawcutting through Existing Pavements, Sidewalk, Driveway or Curb	Ft	6037001	0155	0155	00	000	2,863.500	6.00	\$17,181.00
_ Joint, Expansion, Erg, Modified	Ft	6037001	0160	0160	00	000	48.000	40.00	\$1,920.00
_ Pavt Repr, Rem, Modified	Syd	6037011	0165	0165	00	000	2,477.241	15.00	\$37,158.62
Driveway, Nonreinf Conc, 6 inch	Syd	8010005	0175	0175	00	000	139.150	59.00	\$8,209.85
Detectable Warning Surface	Ft	8030010	0185	0185	00	000	11.000	66.00	\$726.00
Sidewalk, Conc, 4 inch	Sft	8030044	0190	0190	00	000	564.760	7.50	\$4,235.70
Sidewalk, Conc, 6 inch	Sft	8030046	0195	0195	00	000	216.500	7.90	\$1,710.35



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 8:09 AM

FieldManager 5.3c

Item Usage Summary

Project: 0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Rep
 Category: 0000,

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Sidewalk Ramp, Conc, 8 inch	Sft	8037010	0200	0200	00	000	72.500	9.00	\$652.50
Subtotal for Category 0000:									\$339,207.33
Subtotal for Project 0160-0450:									\$339,207.33
Total Estimated Item Payment:									\$339,207.33

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Rep	0001	\$339,207.33	\$0.00	\$339,207.33
Voucher Total:				\$339,207.33

Summary

Current Voucher Total:	\$339,207.33	Earnings to date:	\$339,207.33
-Current Retainage:	\$20,000.00	- Retainage to date:	\$20,000.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
Total Estimated Payment:	\$319,207.33	Net Earnings to date:	\$319,207.33
		- Payments to date:	\$0.00
		Net Earnings this period:	\$319,207.33

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

	11/02/2022
Frank D Varicalli, AEW, Inc.	(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 1

11/2/2022 8:09 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Contract: .0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Rep

Project: 0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Repair Program

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0005	_ Bonds, insurance and initial Set-Up Expense (3% Max)	1027051	1.000	LS	1.000	1.000	1.000	100%	17,000.00000	\$17,000.00
0010	Dr Structure, Rem	2030011	2.000	Ea		0.000			300.00000	
0015	Sewer, Rem, Less than 24 inch	2030015	50.000	Ft		0.000			100.00000	
0020	Curb and Gutter, Rem	2040020	50.000	Ft		0.000			20.00000	
0025	Sidewalk, Rem	2040055	560.000	Syd		0.000			15.00000	
0030	_ Driveway, Conc, Rem	2047011	250.000	Syd	109.070	109.070	109.070	44%	15.00000	\$1,636.05
0035	_ Subgrade Undercutting, Modified	2057021	100.000	Cyd		0.000			42.00000	
0040	Maintenance Gravel, LM	3060021	200.000	Cyd		0.000			23.00000	
0045	_ Sewer, PVC Truss, 10 inch, Tr Det B	4027001	25.000	Ft		0.000			60.00000	
0050	_ Sewer, PVC Truss, 12 inch, Tr Det B	4027001	25.000	Ft	9.200	9.200	9.200	37%	70.00000	\$644.00
0055	_ External Structure Wrap, 12 inch	4027050	5.000	Ea	7.000	7.000	7.000	140%	610.00000	\$4,270.00
0060	_ External Structure Wrap, 18 inch	4027050	6.000	Ea	13.000	13.000	13.000	217%	775.00000	\$10,075.00
0065	Dr Structure Cover, Adj, Case 1, Modified	4030004	11.000	Ea	26.000	26.000	26.000	236%	520.00000	\$13,520.00
0070	Dr Structure Cover, Adj, Case 2	4030006	1.000	Ea		0.000			520.00000	
0075	Dr Structure, 24 inch dia	4030200	1.000	Ea		0.000			3,000.00000	
0080	Dr Structure, Adj, Add Depth	4030280	21.000	Ft	5.000	5.000	5.000	24%	265.00000	\$1,325.00
0085	Dr Structure, Tap, 4 inch	4030304	4.000	Ea	10.000	10.000	10.000	250%	195.00000	\$1,950.00
0090	Dr Structure, Tap, 10 inch	4030310	1.000	Ea		0.000			600.00000	
0095	Dr Structure, Tap, 12 inch	4030312	1.000	Ea		0.000			1,000.00000	
0100	_ Dr Structure Frame and Cover, Manhole	4037050	6.000	Ea		0.000			600.00000	
0105	_ Dr Structure Frame and Cover, Storm Catch Basin	4037050	5.000	Ea	10.000	10.000	10.000	200%	675.00000	\$6,750.00
0110	_ Dr Structure Trap, 10 inch	4037050	1.000	Ea		0.000			1,000.00000	
0115	_ Dr Structure Trap, 12 inch	4037050	1.000	Ea		0.000			1,000.00000	
0120	_ Dr Structure, 36 inch dia	4037050	1.000	Ea		0.000			3,300.00000	
0125	_ Underdrain, Subgrade, 4 inch, Modified	4047001	900.000	Ft	474.000	474.000	474.000	53%	19.00000	\$9,006.00
0130	Joint, Expansion, E2	6020207	75.000	Ft	82.000	82.000	82.000	109%	31.00000	\$2,542.00
0135	Cement	6030005	5.000	Ton		0.000			100.00000	

Contract: .0160-0450

Estimate: 1

Page 1 of 2



Construction Pay Estimate Amount Balance Report

Estimate: 1

Anderson, Eckstein and Westrick, Inc.

11/2/2022 8:09 AM

FieldManager 5.3c

Project: 0160-0450, Grosse Pointe Woods-2022 Miscellaneous Concrete Pavement Repair Program

Category: 0000,

Prop. Line	Item Description	Item Code	Authorized Qty.	Unit	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
0140	Lane Tie, Epoxy Anchored	6030030	3,800.000	Ea	781.000	781.000	781.000	21%	7.00000	\$5,467.00
0145	Pavt Repr, Nonreinf Conc, 8 inch	6030044	4,200.000	Syd	3,220.471	3,220.471	3,220.471	77%	60.00000	\$193,228.26
0150	Pavt Repr, Nonreinf Conc, 9 inch	6030046	1,000.000	Syd		0.000			65.00000	
0155	_ Full Depth Sawcutting through Existing Pavements, Sidewalk, Driveway or Curb	6037001	4,000.000	Ft	2,863.500	2,863.500	2,863.500	72%	6.00000	\$17,181.00
0160	_ Joint, Expansion, Erg, Modified	6037001	150.000	Ft	48.000	48.000	48.000	32%	40.00000	\$1,920.00
0165	_ Pavt Repr, Rem, Modified	6037011	5,200.000	Syd	2,477.241	2,477.241	2,477.241	48%	15.00000	\$37,158.62
0170	_ Curb Casting	7177050	1.000	Ea		0.000			1,000.00000	
0175	Driveway, Nonreinf Conc, 6 inch	8010005	250.000	Syd	139.150	139.150	139.150	56%	59.00000	\$8,209.85
0180	Curb and Gutter, Conc, Det F4	8020038	50.000	Ft		0.000			40.00000	
0185	Detectable Warning Surface	8030010	50.000	Ft	11.000	11.000	11.000	22%	66.00000	\$726.00
0190	Sidewalk, Conc, 4 inch	8030044	3,000.000	Sft	564.760	564.760	564.760	19%	7.50000	\$4,235.70
0195	Sidewalk, Conc, 6 inch	8030046	1,000.000	Sft	216.500	216.500	216.500	22%	7.90000	\$1,710.35
0200	_ Sidewalk Ramp, Conc, 8 inch	8037010	1,000.000	Sft	72.500	72.500	72.500	7%	9.00000	\$652.50
0205	_ Traffic Control and Maintenance	8127051	1.000	LS		0.000			23,000.00000	
0210	_ Surface Restoration, Seeding	8167011	400.000	Syd		0.000			4.00000	

Subtotal for Category 0000: 339207.33

Subtotal for Project 0160-0450: 339207.33

Percentage of Contract Completed(curr): 53%
 (total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$339,207.33

Total Amount Earned To Date: \$339,207.33



ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

51301 Schaeffer Road, Shelby Township, MI 48315
586.726.1234 | www.aewinc.com

November 2, 2022

Shawn Murphy, Deputy Controller
City of Grosse Pointe Woods
20025 Mack Avenue
Grosse Pointe Woods, Michigan 48236-2397

Reference: 2022 Pavement Joint and Crack Sealing Program
City of Grosse Pointe Woods
AEW Project No. 0160-0451

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 1 for the above referenced project. For work performed through October 30, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$25,296.89** to Michigan Joint Sealing, Inc., 28830 West 8 Mile Road, Suite 103, Farmington Hills, MI 48336.

If you have questions or require additional information, please contact our office.

Sincerely,

DocuSigned by:
Frank Varicalli
C4D17CC8031F4D4...

Frank D. Varicalli
Infrastructure Rehab Group Lead

PO 47295
202-451-975-300 \$ 6,324.22
203-451-975-300 \$ 18,972.67
OK - JPK
SM 11/3/22
FS 11-7-22

cc: Frank Schulte, City Administrator
Jim Kowalski, Director of Public Services
Jeanne Duffy, Grosse Pointe Woods
Susan Como, Assistant City Administrator
David Bacci, Michigan Joint Sealing



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/2/2022 8:31 AM

FieldManager 5.3c

Contract: .0160-0451, GPW-2022 Pavement Joint and Crack Sealing Program

Estimate Date	Estimate No.	Entered By	Estimate Type	Electronic File Created	All Contract Work Completed	Construction Started Date
10/30/2022	1	Michelle Ankawi	Semi-Monthly	No		
Prime Contractor Michigan Joint Sealing, Inc.				Managing Office Anderson, Eckstein and Westrick, Inc.		
Comments						
Current Contract Amount: \$34,115.00 % Completed: 77%						

Item Usage Summary

Item Description	Item Code	Prop. Line	Project	Category	Project Line No.	Item Type	Mod. No.	Quantity	Dollar Amount
_ Cleaning and Sealing Existing Cracks (As phalt Pavt)	6037001	0010	0160-0451	0000	0010	00	000	31,681.800	\$26,295.89
_ Traffic Control and Maintenance	8127051	0015	0160-0451	0000	0015	00	000	1.000	\$1.00
Total Estimated Item Payment:								<u>\$26,296.89</u>	

Time Charges

Site	Site Description	Site Method	Days Charged	Liq. Damages
00	SITE NUMBERS SHOULD BE CODED 00	Completion Date		\$0
Total Liquidated Damages:				\$0

Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0451, GPW-2022 Pavement Joint and Crack Sealing Program	0001	\$26,296.89	\$0.00	\$26,296.89
Voucher Total:				\$26,296.89

Summary

Current Voucher Total:	\$26,296.89	Earnings to date:	\$26,296.89
-Current Retainage:	\$1,000.00	- Retainage to date:	\$1,000.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
Total Estimated Payment:	\$25,296.89	Net Earnings to date:	\$25,296.89
		- Payments to date:	\$0.00
		Net Earnings this period:	\$25,296.89



Anderson, Eckstein and Westrick, Inc.

Construction Pay Estimate Report

11/2/2022 8:31 AM

FieldManager 5.3c

Estimate Certification

I certify the items included on this report constitute my estimate of work completed and due the contractor as of the date of this document.

Frank Varicalli

11/02/2022

C4D17CC8031F4D4

Frank D Varicalli, AEW, Inc.

(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 1

11/2/2022 8:31 AM

Anderson, Eckstein and Westrick, Inc.

FieldManager 5.3c

Contract: .0160-0451, GPW-2022 Pavement Joint and Crack Sealing Program

Item Description	Item Code	Prop. Line	Project	Category	Authorized Quantity	Quantity This Estimate	Qty. Paid To Date	Total Qty. Placed	% Cpt	Unit Price	Dollar Amt. Paid To Date
_ Bonds, Insurance and Initial Set-Up Expense (3% Max)	1027051	0005	0160-0451	0000	1.000		0.000			1.00000	
_ Cleaning and Sealing Existing Cracks (Asphalt Pavt)	6037001	0010	0160-0451	0000	41,100.000	31,681.800	31,681.800	31,681.800	77%	0.83000	\$26,295.89
_ Traffic Control and Maintenance	8127051	0015	0160-0451	0000	1.000	1.000	1.000	1.000	100%	1.00000	\$1.00
Percentage of Contract Completed(curr): 77%							Total Amount Paid This Estimate:				\$26,296.89
(total paid to date / total of all authorized work)							Total Amount Paid To Date:				\$26,296.89