



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

INVOICE

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

February 9, 2022
 Project No: 0160-0411-0
 Invoice No: 0135687

Project 0160-0411-0 2019 SEWER STRUCTURE REHABILITATION
 FOR: PROJECT FINAL AND CLOSE OUT DOCUMENTS
 P.O. 19-45216 - (43,000)
 P.O. 19-45445 - (111,000)

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

Professional Services from December 20, 2021 to January 16, 2022

Professional Personnel

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
ENGINEERING AIDE III	1.50	73.50	110.25
Totals	1.50		110.25
Total Labor			110.25

Billing Limits	Current	Prior	To-Date
Total Billings	110.25	153,789.33	153,899.58
Limit			154,000.00
Remaining			100.42

Total this Invoice \$110.25

PO 19-45445
 # 592-537-976.001
 OK - J.K
 SM 2/16/22
 FS - 2-16-22



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

February 9, 2022
 Project No: 0160-0426-0
 Invoice No: 0135688

Project 0160-0426-0 2020-2021 WATER MAIN REPLACEMENT PROGRA
 FOR: CONSTRUCTION ADMINISTRATION AND OBSERVATION
 PURCHASE ORDER #20-46057
 PURCHASE ORDER #21-46244

Professional Services from December 20, 2021 to January 16, 2022

Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount
CONTRACT ADMINISTRATION			
PRINCIPAL ENGINEER	4.00	108.20	432.80
LICENSED ENG/SUR/ARC	11.50	108.20	1,244.30
TEAM LEADER	1.00	87.70	87.70
ENGINEERING AIDE III	1.50	73.50	110.25
MEETINGS			
GRADUATE ENG/SUR/ARC	.50	87.70	43.85
CONSTRUCTION OBSERVATION			
ENGINEERING AIDE III	4.00	73.50	294.00
GIS UPDATES			
GRADUATE ENG/SUR/ARC	3.00	87.70	263.10
Totals	25.50		2,476.00
Total Labor			2,476.00

Billing Limits	Current	Prior	To-Date
Total Billings	2,476.00	228,068.01	230,544.01
Limit			325,000.00
Remaining			94,455.99
		Total this Invoice	\$2,476.00

PO 20-46057
 #592-537-977 + 310
 OK - J.K.
 SM 2/10/2022
 FS 2-16-22



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

February 9, 2022
 Project No: 0160-0428-0
 Invoice No: 0135689

Project 0160-0428-0 2020 CONCRETE PAVEMENT REPAIR PROGRAM
 FOR: CONSTRUCTION INSPECTION AND CONTRACT ADMINISTRATION
 PURCHASE ORDER #20-46055
Professional Services from December 20, 2021 to January 16, 2022
 Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	2.50	87.70	219.25	
ENGINEERING AIDE III	2.00	73.50	147.00	
Totals	4.50		366.25	
Total Labor				366.25
Billing Limits	Current	Prior	To-Date	
Total Billings	366.25	81,255.53	81,621.78	
Limit			134,000.00	
Remaining			52,378.22	
		Total this Invoice		\$366.25

PO 20 - 46055
 # 202-451-974.201 \$ 69.59
 # 203-451-974.201 \$ 43.94
 # 585-561-978.300 \$ 183.13
 # 592-537-975.401 \$ 69.59
 OK -
 J.K.
 SM 2/16/2022
 F.S 2-16-22



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

February 9, 2022
 Project No: 0160-0429-0
 Invoice No: 0135690

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

Project 0160-0429-0 SEWER REHABILITATION - LINING
 FOR: IDR AND QUANTITY REVIEW FOR PAY ESTIMATE
 PURCHASE ORDER #20-46058

Professional Services from December 20, 2021 to January 16, 2022
Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount
RESEARCH/REVIEW			
PRINCIPAL ENGINEER	1.00	108.20	108.20
CONTRACT ADMINISTRATION			
TEAM LEADER	.50	87.70	43.85
ENGINEERING AIDE III	1.00	73.50	73.50
Totals	2.50		225.55
Total Labor			225.55

Billing Limits	Current	Prior	To-Date
Total Billings	225.55	61,884.81	62,110.36
Limit			75,000.00
Remaining			12,889.64
		Total this Invoice	\$225.55

PO 20-46058
 #592-537-976.001
 OK - J.K.
 SM 2/16/2022
 F.S. 2-16-22



ANDERSON, ECKSTEIN & WESTRICK, INC.
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CITY OF GROSSE POINTE WOODS
 ACCOUNTS PAYABLE
 20025 MACK AVENUE
 GROSSE POINTE WOODS, MI 48236-2397

February 9, 2022
 Project No: 0160-0430-0
 Invoice No: 0135691

Project 0160-0430-0 SEWER REHABILITATION - OPEN CUT
 FOR: CONSTRUCTION INSPECTION AND CONTRACT ADMINISTRATION
 PURCHASE ORDER #20-46059
Professional Services from December 20, 2021 to January 16, 2022
Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount	
RESEARCH/REVIEW				
PRINCIPAL ENGINEER	2.00	108.20	216.40	
CONTRACT ADMINISTRATION				
TEAM LEADER	.50	87.70	43.85	
ENGINEERING AIDE III	1.00	73.50	73.50	
Totals	3.50		333.75	
Total Labor				333.75
Billing Limits	Current	Prior	To-Date	
Total Billings	333.75	89,576.81	89,910.56	
Limit			175,000.00	
Remaining			85,089.44	
		Total this Invoice		\$333.75

PO 20-46059
 #592-537976.001
 OK - J.K.
 sm 2/10/2022
 FS 2-16-22



ANDERSON, ECKSTEIN & WESTRICK, INC.
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INVOICE

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

February 9, 2022
 Project No: 0160-0435-0
 Invoice No: 0135692

Project 0160-0435-0 2021 MISC. CONCRETE REPAIR
 P.O. 21-46682
 FOR: CONSTRUCTION INSPECTION AND ADMINISTRATION
Professional Services from December 20, 2021 to January 16, 2022
Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	1.50	87.70	131.55	
ENGINEERING AIDE III	1.00	73.50	73.50	
Totals	2.50		205.05	
Total Labor				205.05
Billing Limits	Current	Prior	To-Date	
Total Billings	205.05	68,281.53	68,486.58	
Limit			109,000.00	
Remaining			40,513.42	
		Total this Invoice		\$205.05

PO 21-46682
 #202-451-974.201 \$47.16
 #203-451-974.201 \$30.76
 #585-561-978.300 \$79.97
 #592-537-975.401 \$47.16
 OK - J.K.
 SM 2/10/2022
 FS 2-16-22



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

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

February 9, 2022
 Project No: 0160-0440-0
 Invoice No: 0135693

Project 0160-0440-0 2021 SEWER REHAB. BY FCIPP
 PURCHASE ORDER #21-46701
 FOR: CONSTRUCTION OBSERVATION AND ADMINISTRATION
Professional Services from December 20, 2021 to January 16, 2022
Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount	
CONTRACT ADMINISTRATION				
TEAM LEADER	3.20	87.70	280.64	
ENGINEERING AIDE III	.90	73.50	66.15	
CONSTRUCTION OBSERVATION				
ENGINEERING AIDE III	54.00	73.50	3,969.00	
Totals	58.10		4,315.79	
Total Labor				4,315.79
Billing Limits	Current	Prior	To-Date	
Total Billings	4,315.79	25,413.01	29,728.80	
Limit			41,000.00	
Remaining			11,271.20	
		Total this Invoice		\$4,315.79

PO 21-46701
 # 592-537-976.001
 OK - J.K.
 SM 2/10/2022
 FJ 2-16-22



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INVOICE

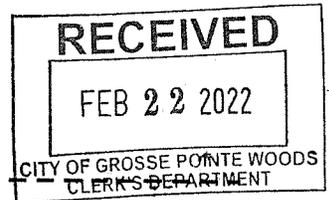
February 9, 2022
 Project No: 0160-0441-0
 Invoice No: 0135694

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

Project 0160-0441-0 RISK & RESILIENCY
 PURCHASE ORDER #21-46462

Professional Services from December 20, 2021 to January 16, 2022

Phase 02 EMERGENCY RESPONSE PLAN



Professional Personnel

	Hours	Rate	Amount
RESEARCH/REVIEW			
LICENSED ENG/SUR/ARC	.40	108.20	43.28
GRADUATE ENG/SUR/ARC	.50	87.70	43.85
SECRETARIAL			
SECRETARIAL	.20	34.70	6.94
PRINTS			
ENGINEERING AIDE I	.60	58.80	35.28
Totals	1.70		129.35
Total Labor			129.35

Billing Limits	Current	Prior	To-Date
Total Billings	129.35	3,312.09	3,441.44
Limit			12,000.00
Remaining			8,558.56

Total this Phase \$129.35

Total this Invoice \$129.35

PO 21-46462
 #592-537818.000
 OK - J.K.
 SM 2/16/2022
 FS 2-16-22



ANDERSON, ECKSTEIN & WESTRICK, INC.
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INVOICE

February 9, 2022
 Project No: 0160-0445-0
 Invoice No: 0135695

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

Project 0160-0445-0 2021-2022 GENERAL ENGINEERING
 PURCHASE ORDER #21-46530 - \$15,000.00
 FOR: GENERAL ENGINEERING, PROJECT STATUS AND UPDATES
Professional Services from December 20, 2021 to January 16, 2022
Professional Personnel

RECEIVED
 FEB 22 2022
 CITY OF GROSSE POINTE WOODS
 CLERK'S DEPARTMENT

	Hours	Rate	Amount
RESEARCH/REVIEW			
PRINCIPAL ENGINEER			
LOCKWOOD, SCOTT	1.50	108.20	162.30
General engineering and future project consideration			
LOCKWOOD, SCOTT	2.50	108.20	270.50
LFP considerations, Funding Opportunities and General Engineering			
LOCKWOOD, SCOTT	.50	108.20	54.10
LFP planning and general engineering			
LOCKWOOD, SCOTT	1.00	108.20	108.20
Review email about flooding concern and prepare response			
LOCKWOOD, SCOTT	.50	108.20	54.10
Review grant opportunities			
CONSTRUCTION PLAN DRAFT			
ENGINEERING AIDE III			
PIOTROWSKI, KEVIN	.50	73.50	36.75
Lakefront Park Site plan & plots			
GENERAL			
LICENSED ENG/SUR/ARC			
WILBERDING, ROSS	1.00	108.20	108.20
East Side Members Meeting			
Totals	7.50		794.15
Total Labor			794.15

Billing Limits	Current	Prior	To-Date
Total Billings	794.15	3,928.80	4,722.95
Limit			15,000.00
Remaining			10,277.05

Total this Invoice \$794.15

PO 21-46530
 #101-441-818.000 \$264.71
 #101-444-818.000 \$264.71
 #592-537-818.000 \$264.73
 OK - J.Y.K. SM 2/16/2022 F.S. 2-16-22

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



ANDERSON, ECKSTEIN & WESTRICK, INC.
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INVOICE

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

January 28, 2022
 Project No: 0160-0446-0
 Invoice No: 0135496

Project 0160-0446-0 VERNIER ROAD WATER MAIN REPLACEMENT
 PURCHASE ORDER #21-46704 - \$72,000.00

Professional Services from December 20, 2021 to January 16, 2022

Fee

Construction Cost	1,166,000.00
Fee Percentage	6.00
Total Fee	69,960.00

Percent Complete

30.00

Total Earned	20,988.00
Previous Fee Billing	13,992.00
Current Fee Billing	6,996.00
Total Fee	6,996.00

Billing Limits

	Current	Prior	To-Date
Total Billings	6,996.00	13,992.00	20,988.00
Limit			72,000.00
Remaining			51,012.00

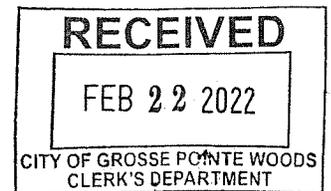
Total this Invoice \$6,996.00

Outstanding Invoices

Number	Date	Balance
0134944	1/6/2022	13,992.00
Total		13,992.00

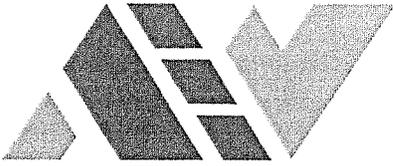
pd 1/20/22

*PO 21-46704
 #592-537-977.310
 OK - J.R.
 SM 2/16/2022
 FS 2-16-22*



Vernier Road Water Main Replacement - West City Limit to Mack
 AEW Project No. 0160-0446
 Summary of Time Spent for Design, Specification, Bidding
 and Subconsultant Fees

Name	Hours	Description
ANGER, SCOTT	10	Survey
BIGELOW, JUSTICE	11	Survey
CARPENTER, AARON	24	Survey
COBBS, CHRISTIAN	19	Survey
DE OLIVEIRA, ROSANA	31.4	CADD
GAYESKI JR., JOSEPH	28.5	Survey Oversight, project setup
KAFERLE, JARED	15.5	Survey
LAGODNA, CARL	10.5	Survey Oversight, project setup
RIBERAS, JOSEPH	9.5	Survey
WILBERDING, ROSS	12	Design
	171.4	

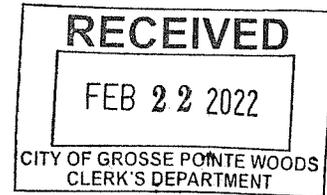


ANDERSON, ECKSTEIN & WESTRICK, INC.
CIVIL ENGINEERS - SURVEYORS - ARCHITECTS

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

February 9, 2022

Frank Schulte
City of Grosse Pointe Woods DPW
1200 Parkway Dr.
Grosse Pointe Woods, MI 48236



Reference: DPW Water and Sewer Garage
Grosse Pointe Woods, MI
AEW Project No. 0160-0420

Dear Mr. Schulte:

Enclosed please find Ashor Associates Pay Application No. 4 for the above referenced project. We recommend issuing payment in the amount requested for \$137,468.33 to Ashor Associates 3745 Horseshoe Drive, Troy MI 48083.

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

Sincerely,

ANDERSON, ECKSTEIN AND WESTRICK, INC.

Jason Arlow, AIA

cc: Frank Schulte, GPW
Scott Lockwood, AEW

PO 20-46142
#592-537-978.200
OK - J.K.
SM 2/10/2022
FS: 2-16-22

Enclosure: Pay Application No. 4

M:\0160\0160-0420\ConstServices\PayEst\Building\No4\PayApp#4_1etter.docx

APPLICATION AND CERTIFICATION FOR PAYMENT

TO OWNER City of Grosse Pointe Woods
 20025 Mack Plaza
 48236, MI

PROJECT:

DPW Garage

AIA DOCUMENT G702

APPLICATION NO: 4

PAGE ONE OF

PAGES

FROM CONTRACTOR:

Ashor Associates
 3745 Horseshoe Drive
 Troy, MI. 48083

VIA ARCHITECT: AEW

PERIOD TO:

PROJECT NOS: 0160-0420

CONTRACT FOR:

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM \$ 279,471.00
2. Net change by Change Orders \$ 83,167.13
3. CONTRACT SUM TO DATE (Line 1 + 2) \$ 362,638.13
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 295,551.33
5. RETAINAGE:
 - a. % of Completed Work \$ 25,671.00
 - (Column D + E on G703)
 - b. % of Stored Material \$ N/A
 - (Column F on G703)
 - Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ N/A
6. TOTAL EARNED LESS RETAINAGE:
 - (Line 4 Less Line 5 Total) \$ 269,880.33
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 132,412.00
8. CURRENT PAYMENT DUE \$ 137,468.33
9. Balance to finish including retainage \$ 92,757.80

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$16,080.33	
Total approved this Month	\$67,086.80	
TOTALS	\$83,167.13	
NET CHANGES by Change Order	\$83,167.13	

Distribution to:

OWNER	
ARCHITECT	X
CONTRACTOR	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: 

Date: 11/31/22

State of: Michigan

County of: Oakland

Subscribed and sworn to before me this 31 day of November 2022, County of Oakland, Notary Public: Gabriel Johnson, State of Michigan. My Commission expires: 07/23/2026. Acting in the County of Oakland.

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 137,468.33

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and only Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT:

By: Jason Arlow, AEW

Date: 02/09/22

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

PAGE OF PAGES

AIA Document G703, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO: 4

APPLICATION DATE: 1/31/2022

PERIOD TO:

ARCHITECT'S PROJECT NO: 0160-0420

Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D.O.R.E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H % (G + C)	I BALANCE TO FINISH (C - G)	J RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD						
1	General Conditions	\$42,930.00	\$7,660.00	\$35,270.00			\$42,930.00	100.00%	\$0.00	\$4,293.00
2	Building Construction	\$186,048.00	\$110,829.67	\$75,218.33			\$186,048.00	100.00%	\$0.00	\$16,179.00
3	Mechanical	\$10,793.00	\$0.00	\$10,793.00			\$10,793.00	100.00%	\$0.00	\$1,079.00
4	Electrical	\$25,200.00	\$0.00	\$25,200.00			\$25,200.00	100.00%	\$0.00	\$2,520.00
5	Plumbing	\$8,000.00	\$0.00	\$8,000.00			\$8,000.00	100.00%	\$0.00	\$1,600.00
6	Owner Allowance	\$6,500.00	\$6,500.00	\$0.00			\$6,500.00	100.00%	\$0.00	
7	Change order # 1	\$16,080.33	\$16,080.33	\$0.00			\$16,080.33	100.00%	\$0.00	
8	Change order # 2	\$0.00	\$0.00	\$0.00			\$0.00	100.00%	\$0.00	
9	Change Order #3	\$67,086.80	\$0.00	\$0.00			\$0.00	100.00%	\$0.00	
GRAND TOTALS		\$362,638.13	\$141,070.00	\$154,481.33	\$0.00	\$295,551.33	\$67,086.80		\$25,671.00	

PARTIAL UNCONDITIONAL WAIVER

I/WE HAVE A CONTRACT WITH ASHUR ASSOCIATES
(other contracting party)

TO PROVIDE METAL SIDING/ROOFING

FOR THE IMPROVEMENT TO THE PROPERTY DESCRIBED AS:

CITY OF GROUSE POINTE WOODS PPA
1200 PARKWAY DRIVE
GROUSE POINTE WOODS, MT. 48236

AND HEREBY WAIVE MY/OUR CONSTRUCTION LIEN TO THE AMOUNT OF \$ 23,500.00
FOR LABOR/MATERIALS PROVIDED THROUGH 12/31/21
(date)

THIS WAIVER, TOGETHER WITH ALL PREVIOUS WAIVERS, IF ANY,

(CIRCLE ONE) DOES DOES NOT COVER ALL AMOUNTS DUE TO ME/US FOR
CONTRACT IMPROVEMENT PROVIDED THROUGH THE DATE SHOWN ABOVE.

LABELLE SPAIN AND SCREEN
[Signature]
(signature of lien claimant)

SIGNED ON: 1/24/2021

ADDRESS: 2291 9 mile RD

Warren MT 48091

TELEPHONE: 248-640-3863

WARNING: DO NOT SIGN BLANK OR INCOMPLETE FORMS
RETAIN A COPY

PARTIAL UNCONDITIONAL WAIVER

I/WE HAVE A CONTRACT WITH ASHOR ASSOCIATES
(other contracting party)

TO PROVIDE ELECTRICAL

FOR THE IMPROVEMENT TO THE PROPERTY DESCRIBED AS:

CITY OF GROSSE POINTE WOODS PPW
1200 PARKWAY DRIVE
GROSSE POINTE WOODS, MI. 48236

AND HEREBY WAIVE MY/OUR CONSTRUCTION LIEN TO THE AMOUNT OF \$ 7,000.00
FOR LABOR/MATERIALS PROVIDED THROUGH 1/10/22
(date)

THIS WAIVER, TOGETHER WITH ALL PREVIOUS WAIVERS, IF ANY,

(CIRCLE ONE) DOES DOES NOT COVER ALL AMOUNTS DUE TO ME/US FOR
CONTRACT IMPROVEMENT PROVIDED THROUGH THE DATE SHOWN ABOVE.

R & J ELECTRICAL SERVICE
[Signature]
(signature of lien claimant)

SIGNED ON: 1/25/22

ADDRESS: 8970 PACTON DR

Strelby, MI 48317

TELEPHONE: 586 944 6844

WARNING: DO NOT SIGN BLANK OR INCOMPLETE FORMS
RETAIN A COPY

PARTIAL UNCONDITIONAL WAIVER

I/WE HAVE A CONTRACT WITH ASHOR ASSOCIATES
(other contracting party)

TO PROVIDE BUILDING CONSTRUCTION

FOR THE IMPROVEMENT TO THE PROPERTY DESCRIBED AS:

CITY OF GRUSSE POINTE WOODS DPW

1200 PARKWAY DRIVE

GRUSSE POINTE WOODS, M.I. 48236

AND HEREBY WAIVE MY/OUR CONSTRUCTION LIEN TO THE AMOUNT OF \$ 8,000.⁰⁰

FOR LABOR/MATERIALS PROVIDED THROUGH 2/4/22
(date)

THIS WAIVER, TOGETHER WITH ALL PREVIOUS WAIVERS, IF ANY,

(CIRCLE ONE) DOES DOES NOT COVER ALL AMOUNTS DUE TO ME/US FOR
CONTRACT IMPROVEMENT PROVIDED THROUGH THE DATE SHOWN ABOVE.

ASHOR ASSOCIATES

[Signature]
(signature of lien claimant)

SIGNED ON: 2/4/22

ADDRESS: 3745 HORSESHOE DR
TROY, MI. 48063

TELEPHONE: 248-910-4642

WARNING: DO NOT SIGN BLANK OR INCOMPLETE FORMS
RETAIN A COPY

PARTIAL UNCONDITIONAL WAIVER

I/WE HAVE A CONTRACT WITH ASHOR ASSOCIATES
(other contracting party)

TO PROVIDE GENERAL CONDITIONS

FOR THE IMPROVEMENT TO THE PROPERTY DESCRIBED AS:

CITY OF CRUSSE POINTE WOODS DPW

1200 PARKWAY DRIVE

CRUSSE POINTE WOODS, MI. 48236

AND HEREBY WAIVE MY/OUR CONSTRUCTION LIEN TO THE AMOUNT OF \$ 3,810.⁰⁰

FOR LABOR/MATERIALS PROVIDED THROUGH 2/4/22
(date)

THIS WAIVER, TOGETHER WITH ALL PREVIOUS WAIVERS, IF ANY,

(CIRCLE ONE) DOES DOES NOT COVER ALL AMOUNTS DUE TO ME/US FOR
CONTRACT IMPROVEMENT PROVIDED THROUGH THE DATE SHOWN ABOVE.

ASHOR ASSOCIATES

[Signature]
(signature of lien claimant)

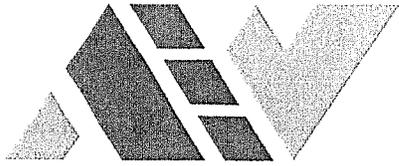
SIGNED ON: 2/4/22

ADDRESS: 3745 HORSESHOE DR.

TROY, MI. 48063

TELEPHONE: 248-910-4642

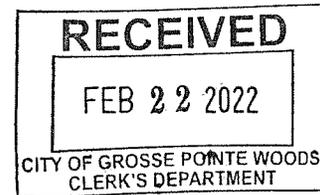
WARNING: DO NOT SIGN BLANK OR INCOMPLETE FORMS
RETAIN A COPY



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

January 26, 2022

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



Reference: 2021 Sewer Rehabilitation by Full Length C.I.P.P. Lining
City of Grosse Pointe Woods
AEW Project No. 0160-0440

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 2 for the above referenced project. For work performed through December 31, 2021, we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$163,261.50** to Insituform Technologies USA, LLC, 17988 Edison Ave. Chesterfield, MO 63005.

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

Sincerely,

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 21-46703
#592-537-976.002
OK - J.K.
Sm 2/7/2022
FS. 2-8-22



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

1/26/2022 2:48 PM

FieldManager 5.3c

Contract: .0160-0440, 2021 Sewer Rehabilitation by Full Length CIPP Lining

Estimate No. 2	Estimate Date 12/31/2021	Entered By Greg West	Estimate Type Semi-Monthly	Managing Office Anderson, Eckstein and Westrick, Inc.
All Contract Work Completed		Construction Started Date 9/27/2021	Prime Contractor Insituform Technologies USA, LLC 17988 Edison Ave Chesterfield MO 63005-3700	
Comments Current Contract Amount: \$209,423.50 % Completed: 96%				

Item Usage Summary

Project: 0160-0440, 2021 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
_ Cutting Service Lead Protrusions	Ea	4037050	0100	0100	00	000	1.000	61.10	\$61.10
_ Lateral, Preparation	Ea	4027050	0085	0085	00	000	5.000	61.10	\$305.50
_ Lateral, Reinstate	Ea	4027050	0090	0090	00	000	73.000	72.50	\$5,292.50
_ Mineral Deposit, Rem	Ea	4027050	0095	0095	00	000	2.000	30.50	\$61.00
_ Sewer, CIPP, 08 inch, Full Length	Ft	4027001	0010	0010	00	000	810.100	27.80	\$22,520.78
_ Sewer, CIPP, 12 inch, Full Length	Ft	4027001	0015	0015	00	000	489.000	37.00	\$18,093.00
_ Sewer, CIPP, 15 inch, Full Length	Ft	4027001	0020	0020	00	000	1,319.100	42.30	\$55,797.93
_ Sewer, CIPP, 18 inch, Full Length	Ft	4027001	0025	0025	00	000	615.000	58.20	\$35,793.00
_ Sewer, CIPP, 21 inch, Full Length	Ft	4027001	0030	0030	00	000	314.000	73.20	\$22,984.80
_ Sewer, Post-Construction, CCTV, 08 inch	Ft	4027001	0035	0035	00	000	810.100	0.50	\$405.05
_ Sewer, Post-Construction, CCTV, 12 inch	Ft	4027001	0040	0040	00	000	489.000	0.50	\$244.50
_ Sewer, Post-Construction, CCTV, 15 inch	Ft	4027001	0045	0045	00	000	1,319.100	0.70	\$923.37
_ Sewer, Post-Construction, CCTV, 18 inch	Ft	4027001	0050	0050	00	000	615.000	0.50	\$307.50
_ Sewer, Post-Construction, CCTV, 21 inch	Ft	4027001	0055	0055	00	000	314.000	0.50	\$157.00
_ Sewer, Pre-Construction, Clean and CCTV, 08 inch	Ft	4027001	0060	0060	00	000	13.000	4.60	\$59.80
_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	Ft	4027001	0065	0065	00	000	4.000	5.20	\$20.80
_ Sewer, Pre-Construction, Clean and CCTV, 15 inch	Ft	4027001	0070	0070	00	000	10.000	5.50	\$55.00



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

1/26/2022 2:48 PM

FieldManager 5.3c

Item Usage Summary

Project: 0160-0440, 2021 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, Pre-Construction, Clean and CCTV, 18 inch	Ft	4027001	0075	0075	00	000	8.000	6.70	\$53.60
_ Sewer, Pre-Construction, Clean and CCTV, 21 inch	Ft	4027001	0080	0080	00	000	3.000	10.40	\$31.20
_ Traffic Maintenance and Control	LS	8127051	0105	0105	00	000	1.000	6,985.00	\$6,985.00
Subtotal for Category 0000:									\$170,152.43
Subtotal for Project 0160-0440:									\$170,152.43
Total Estimated Item Payment:									\$170,152.43

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
0160-0440, 2021 Sewer Rehabilitation by Full Length CIPP Lining	0002	\$170,152.43	\$0.00	\$170,152.43
Voucher Total:				\$170,152.43

Summary

Current Voucher Total:	\$170,152.43	Earnings to date:	\$201,243.13
-Current Retainage:	\$6,890.93	- 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:	\$163,261.50	Net Earnings to date:	\$191,243.13
		- Payments to date:	\$27,981.63
		Net Earnings this period:	\$163,261.50



Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

1/26/2022 2:48 PM

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 D. Vancalli, AEW, Inc.

1-26-22

(Date)



Construction Pay Estimate Amount Balance Report

Estimate: 2

Anderson, Eckstein and Westrick, Inc.

1/26/2022 2:48 PM
FieldManager 5.3c

Contract: 0160-0440, 2021 Sewer Rehabilitation by Full Length CIPP Lining
Project: 0160-0440, 2021 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	Bonds, Insurance and Initial Setup Expen se (3% Maximum)	1027051		1,000 LS		1,000	1,000	100%	8,809.40000	\$8,809.40
0100	Cutting Service Lead Protrusions	4037050		10,000 Ea	1,000	16,000	16,000	160%	61.10000	\$977.60
0110	Deliverables	8267051		1,000 LS		0,000			2,317.10000	
0085	Lateral, Preparation	4027050		10,000 Ea	5,000	5,000	5,000	50%	61.10000	\$305.50
0090	Lateral, Reinstale	4027050		81,000 Ea	73,000	73,000	73,000	90%	72.50000	\$5,292.50
0095	Mineral Deposit, Rem	4027050		40,000 Ea	2,000	12,000	12,000	30%	30.50000	\$366.00
0010	Sewer, CIPP, 08 inch, Full Length	4027001		850,000 Ft	810,100	810,100	810,100	95%	27.80000	\$22,520.78
0015	Sewer, CIPP, 12 inch, Full Length	4027001		500,000 Ft	489,000	489,000	489,000	98%	37.00000	\$18,093.00
0020	Sewer, CIPP, 15 inch, Full Length	4027001		1,350,000 Ft	1,319,100	1,319,100	1,319,100	98%	42.30000	\$55,797.93
0025	Sewer, CIPP, 18 inch, Full Length	4027001		625,000 Ft	615,000	615,000	615,000	98%	58.20000	\$35,793.00
0030	Sewer, CIPP, 21 inch, Full Length	4027001		325,000 Ft	314,000	314,000	314,000	97%	73.20000	\$22,984.80
0035	Sewer, Post-Construction, CCTV, 08 inch	4027001		850,000 Ft	810,100	810,100	810,100	95%	0.50000	\$405.05
0040	Sewer, Post-Construction, CCTV, 12 inch	4027001		500,000 Ft	489,000	489,000	489,000	98%	0.50000	\$244.50
0045	Sewer, Post-Construction, CCTV, 15 inch	4027001		1,350,000 Ft	1,319,100	1,319,100	1,319,100	98%	0.70000	\$923.37
0050	Sewer, Post-Construction, CCTV, 18 inch	4027001		625,000 Ft	615,000	615,000	615,000	98%	0.50000	\$307.50
0055	Sewer, Post-Construction, CCTV, 21 inch	4027001		325,000 Ft	314,000	314,000	314,000	97%	0.50000	\$157.00
0060	Sewer, Pre-Construction, Clean and CCTV, 08 inch	4027001		850,000 Ft	13,000	835,000	835,000	98%	4.60000	\$3,841.00
0065	Sewer, Pre-Construction, Clean and CCTV, 12 inch	4027001		500,000 Ft	4,000	498,000	498,000	99%	5.20000	\$2,589.60
0070	Sewer, Pre-Construction, Clean and CCTV, 15 inch	4027001		1,350,000 Ft	10,000	1,357,000	1,357,000	101%	5.50000	\$7,463.50
0075	Sewer, Pre-Construction, Clean and CCTV, 18 inch	4027001		625,000 Ft	8,000	615,000	615,000	98%	6.70000	\$4,120.50
0080	Sewer, Pre-Construction, Clean and CCTV, 21 inch	4027001		325,000 Ft	3,000	314,000	314,000	97%	10.40000	\$3,265.60

Contract: 0160-0440

Estimate: 2



Construction Pay Estimate Amount Balance Report

Estimate: 2

Anderson, Eckstein and Westrick, Inc.

1/26/2022 2:48 PM
FieldManager 5.3c

Project: 0160-0440, 2021 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
0105	- Traffic Maintenance and Control	8127051		1.000 LS	1.000	1.000	1.000	100%	6,985.00000	\$6,985.00
Subtotal for Category 0000:										201243.13
Subtotal for Project 0160-0440:										201243.13

Percentage of Contract Completed(curr): 96%
(total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$170,152.43
Total Amount Earned To Date: \$201,243.13

Contract: 0160-0440

Estimate: 2