



**ANDERSON, ECKSTEIN & WESTRICK, INC.**

**CIVIL ENGINEERS - SURVEYORS - ARCHITECTS**

51301 Schoenher Road, Shelby Township, MI 48315  
936.726.1234 | www.aewinc.com

October 6, 2022

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

PO 47293  
# 592-537-976.002  
OK - J.K.  
SM 10/12/22  
RJ 10-12-22

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. 2 for the above referenced project. For work performed through October 2, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$196,471.20** 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...

**RECEIVED**

OCT 13 2022

Frank D. Varicalli  
Infrastructure Rehab Group Lead

CITY OF GROSSE POINTE WOODS  
CLERK'S DEPARTMENT

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



## Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

10/6/2022 10:06 AM

FieldManager 5.3c

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

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
2	10/2/2022	Michelle Ankawi	Semi-Monthly	Anderson, Eckstein and Westrick, Inc.
<b>All Contract Work Completed</b>		<b>Construction Started Date</b>	<b>Prime Contractor</b>	
			Insituform Technologies USA, LLC 580 Goddard Avenue Chesterfield MO 63005	
<b>Comments</b>				
Current Contract Amount: \$225,999.40 % Completed: 101%				

### 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
_ Audio Visual Record of Construction Area	LS	1027051	0005	0005	00	000	1.000	2,646.40	\$2,646.40
_ Cutting Service Lead Protrusions	Ea	4027050	0060	0060	00	000	3.000	52.90	\$158.70
_ Lateral, Reinstatement	Ea	4027050	0070	0070	00	000	90.000	90.40	\$8,136.00
_ Mineral Deposit, Removal	Ea	4027050	0075	0075	00	000	66.000	52.90	\$3,491.40
_ Sewer, CIPP, 10 inch, Full Length	Ft	4027001	0015	0015	00	000	751.000	31.20	\$23,431.20
_ Sewer, CIPP, 12 inch, Full Length	Ft	4027001	0020	0020	00	000	2,380.000	46.70	\$111,146.00
_ Sewer, CIPP, 15 inch, Full Length	Ft	4027001	0025	0025	00	000	644.000	62.10	\$39,992.40
_ Sewer, Post-Construction, CCTV, 10 inch	Ft	4027001	0030	0030	00	000	751.000	1.10	\$826.10
_ Sewer, Post-Construction, CCTV, 12 inch	Ft	4027001	0035	0035	00	000	2,444.000	1.10	\$2,688.40
_ Sewer, Post-Construction, CCTV, 15 inch	Ft	4027001	0040	0040	00	000	644.000	1.10	\$708.40
_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	Ft	4027001	0050	0050	00	000	1,843.000	5.00	\$9,215.00
_ Traffic Maintenance and Control	LS	8127051	0080	0080	00	000	0.500	6,312.00	\$3,156.00
<b>Subtotal for Category 0000:</b>								<u>\$205,596.00</u>	
<b>Subtotal for Project 0160-0454:</b>								<u>\$205,596.00</u>	
<b>Total Estimated Item Payment:</b>								<u>\$205,596.00</u>	



## Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

10/6/2022 10:06 AM  
FieldManager 5.3c

### Time Charges

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

### Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0454, 2022 Sewer Rehabilitation by Full Length CIPP Lining	0002	\$205,596.00	\$0.00	\$205,596.00
<b>Voucher Total:</b>				<b>\$205,596.00</b>

### Summary

Current Voucher Total:	\$205,596.00	Earnings to date:	\$227,348.00
-Current Retainage:	\$9,124.80	- Retainage to date:	\$11,300.00
-Current Liquidated Damages:	\$0.00	- Liquidated Damages to date:	\$0.00
-Current Adjustments:	\$0.00	- Adjustments to date:	\$0.00
<b>Total Estimated Payment:</b>	<b>\$196,471.20</b>	Net Earnings to date:	\$216,048.00
		- Payments to date:	\$19,576.80
		<b>Net Earnings this period:</b>	<b>\$196,471.20</b>

### 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.

<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;"> </div> <div style="font-size: small;">                 Frank D Varicalli, AEW, Inc.             </div> </div>	10/06/2022 (Date)
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## Construction Pay Estimate Amount Balance Report

Estimate: 2

10/6/2022 10:06 AM

FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

**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	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	1.000	100%	6,500.00000	\$6,500.00
0060	_ Cutting Service Lead Protrusions	4027050	5.000	Ea	3.000	10.000	10.000	200%	52.90000	\$529.00
0085	_ Deliverables	8267051	1.000	LS	1.000	0.000	0.000		529.30000	
0065	_ Lateral, Preparation	4027050	10.000	Ea	10.000	0.000	0.000		52.90000	
0070	_ Lateral, Reinstate	4027050	83.000	Ea	90.000	90.000	90.000	108%	90.40000	\$8,136.00
0075	_ Mineral Deposit, Rem	4027050	50.000	Ea	66.000	168.000	168.000	336%	52.90000	\$8,887.20
0015	_ Sewer, CIPP, 10 inch, Full Length	4027001	750.000	Ft	751.000	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	2,380.000	99%	46.70000	\$111,146.00
0025	_ Sewer, CIPP, 15 inch, Full Length	4027001	650.000	Ft	644.000	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	751.000	100%	1.10000	\$826.10
0035	_ Sewer, Post-Construction, CCTV, 12 inch	4027001	2,400.000	Ft	2,444.000	2,444.000	2,444.000	102%	1.10000	\$2,688.40
0040	_ Sewer, Post-Construction, CCTV, 15 inch	4027001	650.000	Ft	644.000	644.000	644.000	99%	1.10000	\$708.40
0045	_ Sewer, Pre-Construction, Clean and CCTV, 10 inch	4027001	750.000	Ft	750.000	739.000	739.000	99%	4.80000	\$3,547.20
0050	_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	4027001	2,400.000	Ft	1,843.000	2,364.000	2,364.000	99%	5.00000	\$11,820.00
0055	_ Sewer, Pre-Construction, Clean and CCTV, 15 inch	4027001	650.000	Ft	650.000	629.000	629.000	97%	5.30000	\$3,333.70
0080	_ Traffic Maintenance and Control	8127051	1.000	LS	0.500	0.500	0.500	50%	6,312.00000	\$3,156.00

**Subtotal for Category 0000: 227348.00**

**Subtotal for Project 0160-0454: 227348.00**

**Percentage of Contract Completed(curr): 101%**  
 (total earned to date / total of all authorized work)

**Total Amount Earned This Estimate: \$205,596.00**

**Total Amount Earned To Date: \$227,348.00**