



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

51301 Schoenherr Road  
Farmington Township, MI 48315

586.726.1234  
www.aewinc.com

RECEIVED

NOV - 1 2021

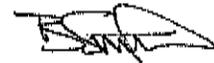
CITY OF GROSSE POINTE WOODS  
CLERK'S DEPARTMENT

October 6, 2021

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

PO 21-46703  
#592-537-976.002  
OK - B

SM 10/20/21

  
10/20/21

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. 1 for the above referenced project. For work performed through October 3, 2021, we recommend issuing payment for the **Net Earnings this Period (see Page 2)** in the amount of **\$27,981.63** 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

cc: Bruce Smith, City Administrator  
Frank Schulte, Director of Public Services  
Jeanne Duffy  
Susan Como  
Ursula Youngblood, Insituform Technologies USA, LLC  
Matt Brinkoetter, Insituform Technologies USA, LLC



## Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

10/6/2021 10:16 AM

FieldManager 5.3c

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

<b>Estimate No.</b> 1	<b>Estimate Date</b> 10/3/2021	<b>Entered By</b> Michelle Ankawi	<b>Estimate Type</b> Semi-Monthly	<b>Managing Office</b> Anderson, Eckstein and Westrick, Inc.
<b>All Contract Work Completed</b>		<b>Construction Started Date</b> 9/27/2021	<b>Prime Contractor</b> Insituform Technologies USA, LLC 17988 Edison Ave Chesterfield MO 63005-3700	
<b>Comments</b> Current Contract Amount: \$209,423.50 % Completed: 15%				

### 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
_ Bonds, Insurance and Initial Setup Expense (3% Maximum)	LS	1027051	0005	0005	00	000	1.000	8,809.40	\$8,809.40
_ Sewer, Pre-Construction, Clean and CCTV, 08 inch	Ft	4027001	0060	0060	00	000	822.000	4.60	\$3,781.20
_ Sewer, Pre-Construction, Clean and CCTV, 12 inch	Ft	4027001	0065	0065	00	000	494.000	5.20	\$2,568.80
_ Sewer, Pre-Construction, Clean and CCTV, 15 inch	Ft	4027001	0070	0070	00	000	1,347.000	5.50	\$7,408.50
_ Sewer, Pre-Construction, Clean and CCTV, 18 inch	Ft	4027001	0075	0075	00	000	607.000	6.70	\$4,066.90
_ Sewer, Pre-Construction, Clean and CCTV, 21 inch	Ft	4027001	0080	0080	00	000	311.000	10.40	\$3,234.40
_ Mineral Deposit, Rem	Ea	4027050	0095	0095	00	000	10.000	30.50	\$305.00
_ Cutting Service Lead Protrusions	Ea	4037050	0100	0100	00	000	15.000	61.10	\$916.50
<b>Subtotal for Category 0000:</b>									<b>\$31,090.70</b>
<b>Subtotal for Project 0160-0440:</b>									<b>\$31,090.70</b>
<b>Total Estimated Item Payment:</b>									<b>\$31,090.70</b>

### 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>



# Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

10/6/2021 10:18 AM

FieldManager 5.3c

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0440, 2021 Sewer Rehabilitation by Full Length CIPP Lining	0001	\$31,090.70	\$0.00	\$31,090.70
<b>Voucher Total:</b>				<b>\$31,090.70</b>

## Summary

Current Voucher Total:	\$31,090.70	Earnings to date:	\$31,090.70
-Current Retainage:	\$3,109.07	- Retainage to date:	\$3,109.07
-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>\$27,981.63</b>	<b>Net Earnings to date:</b>	<b>\$27,981.63</b>
		- Payments to date:	\$0.00
		<b>Net Earnings this period:</b>	<b>\$27,981.63</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.

  
 Frank D. Varicalli, AEW, Inc.

10-6-21  
 (Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 1

Anderson, Eckstein and Westrick, Inc.

10/16/2021 10:16 AM  
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	Rem 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 sa (3% Maximum)	4027051	1,000	LS	1,000	1,000	1,000	100%	8,808.40	\$8,808.40
0100	Cutting Service Lead Protrusions	4037050	10,000	Ea	15,000	15,000	15,000	150%	61.10	\$916.50
0110	Deliverables	8267051	1,000	LS	0,000	0,000	0,000		2,317.10	
0085	Lateral Preparation	4027050	10,000	Ea	0,000	0,000	0,000		61.10	
0090	Lateral Reinslate	4027050	81,000	Ea	0,000	0,000	0,000		72.50	
0095	Mineral Deposit, Rem	4027050	40,000	Ea	10,000	10,000	10,000	25%	30.50	\$305.00
0010	Sewer, CIPP, 08 inch, Full Length	4027001	850,000	FI	0,000	0,000	0,000		37.00	
0015	Sewer, CIPP, 12 inch, Full Length	4027001	500,000	FI	0,000	0,000	0,000		42.30	
0020	Sewer, CIPP, 15 inch, Full Length	4027001	1,350,000	FI	0,000	0,000	0,000		58.20	
0025	Sewer, CIPP, 18 inch, Full Length	4027001	625,000	FI	0,000	0,000	0,000		75.20	
0030	Sewer, CIPP, 21 inch, Full Length	4027001	325,000	FI	0,000	0,000	0,000		0.50	
0035	Sewer, Post-Construction, CCTV, 08 inch	4027001	850,000	FI	0,000	0,000	0,000		0.50	
0040	Sewer, Post-Construction, CCTV, 12 inch	4027001	500,000	FI	0,000	0,000	0,000		0.70	
0045	Sewer, Post-Construction, CCTV, 15 inch	4027001	1,350,000	FI	0,000	0,000	0,000		0.50	
0050	Sewer, Post-Construction, CCTV, 18 inch	4027001	625,000	FI	0,000	0,000	0,000		0.50	
0055	Sewer, Post-Construction, CCTV, 21 inch	4027001	325,000	FI	0,000	0,000	0,000		0.50	
0060	Sewer, Pre-Construction, Clean and CCTV, 08 inch	4027001	822,000	FI	822,000	822,000	822,000	97%	4.60	\$3,781.20
0065	Sewer, Pre-Construction, Clean and CCTV, 12 inch	4027001	500,000	FI	494,000	494,000	494,000	99%	5.20	\$2,586.80
0070	Sewer, Pre-Construction, Clean and CCTV, 15 inch	4027001	1,350,000	FI	1,347,000	1,347,000	1,347,000	99%	5.50	\$7,408.50
0075	Sewer, Pre-Construction, Clean and CCTV, 18 inch	4027001	625,000	FI	607,000	607,000	607,000	97%	6.70	\$4,066.90
0080	Sewer, Pre-Construction, Clean and CCTV, 21 inch	4027001	325,000	FI	311,000	311,000	311,000	96%	10.40	\$3,234.40

Contract: 0160-0440

Estimate: 1



# Construction Pay Estimate Amount Balance Report

Estimate: 1

Anderson, Eckstein and Westrick, Inc.

10/6/2021 10:16 AM  
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	0.000	0.000			0.995.00000	

Subtotal for Category 0000: 31090.70

Subtotal for Project 0160-0440: 31090.70

Percentage of Contract Completed(curr): 15%  
(total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$31,090.70

Total Amount Earned To Date: \$31,090.70

Contract: 0160-0440

Estimate: 1