



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

November 9, 2022

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

Reference: 2021 Sewer Open Cut Repair Program  
City of Grosse Pointe Woods  
AEW Project No. 0160-0430

RECEIVED  
NOV 17 2022  
CITY OF GROSSE POINTE WOODS  
CLERK'S DEPARTMENT

Dear Mrs. Murphy:

Enclosed please find Construction Pay Estimate No. 4 for the above referenced project. For work performed through November 9, 2022 we recommend issuing payment for the **Net Earnings this Period (see Page 3)** in the amount of **\$23,170.10** 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:  
*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  
Fontana Construction, Inc.

PO 20-46160  
# 592-537-976.002  
o/c - JK  
Sm 11/16/2022  
& 11/17/22



## Construction Pay Estimate Report

Anderson, Eckstein and Westrick, Inc.

11/9/2022 1:20 PM

FieldManager 5.3c

**Contract: .0160-0430, 2020 Sewer Open Cut Repair Program**

Estimate No.	Estimate Date	Entered By	Estimate Type	Managing Office
4	11/9/2022	Michelle Ankawi	Semi-Monthly	Anderson, Eckstein and Westrick, Inc.
<b>All Contract Work Completed</b>		<b>Construction Started Date</b>	<b>Prime Contractor</b>	
		3/16/2021	Fontana Construction, Inc. 6340 Sims Drive Sterling Heights MI 48313	
<b>Comments</b>				
Current Contract Amount: \$749,999.94 % Completed: 80%				

### Item Usage Summary

**Project: 0160-0430, 2020 Sewer Open Cut Repair Program**

**Category: 0001, Pipe Burst Program**

Item Description	Unit	Item Code	Prop. Ln.	Project Line No.	Item Type	Mod. No.	Quantity	Item Price	Dollar Amount
_ Dr Structure Frame and Cover, Storm Catch Basin	Ea	4037050	0440	0440	SA	001	3.000	551.00	\$1,653.00
_ Dr Structure, Adj, Case 2	Ea	4037050	0405	0405	SA	001	3.000	500.00	\$1,500.00
_ External Structure Wrap, 18 inch	Ea	4027050	0390	0390	SA	001	3.000	500.00	\$1,500.00
_ Full Depth Sawcutting	Ft	6037001	0490	0490	SA	001	63.000	2.00	\$126.00
_ Mobilization	LS	1027051	0280	0280	SA	001	1.000	5,000.00	\$5,000.00
Detectable Warning Surface	Ft	8030010	0535	0535	SA	001	20.000	40.00	\$800.00
Driveway, Nonreinf Conc, 6 inch	Syd	8010005	0505	0505	SA	001	85.330	60.00	\$5,119.80
Lane Tie, Epoxy Anchored	Ea	6030030	0485	0485	SA	001	59.000	5.00	\$295.00
Pavt Repr, Nonreinf Conc, 8 inch	Syd	6030044	0495	0495	SA	001	61.180	75.00	\$4,588.50
Pavt Repr, Rem	Syd	6030080	0500	0500	SA	001	61.180	10.00	\$611.80
Sidewalk, Conc, 4 inch	Sft	8030044	0515	0515	SA	001	166.000	6.00	\$996.00
Sidewalk, Conc, 8 inch	Sft	8030048	0525	0525	SA	001	122.500	8.00	\$980.00
<b>Subtotal for Category 0001:</b>									<b>\$23,170.10</b>
<b>Subtotal for Project 0160-0430:</b>									<b>\$23,170.10</b>
<b>Total Estimated Item Payment:</b>									<b>\$23,170.10</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.

11/9/2022 1:20 PM

FieldManager 5.3c

## Pre-Voucher Summary

Project	Voucher No.	Item Payment	Stockpile Adjustment	Dollar Amount
0160-0430, 2020 Sewer Open Cut Repair Program	0004	\$23,170.10	\$0.00	\$23,170.10
			<b>Voucher Total:</b>	<b>\$23,170.10</b>

## Summary

Current Voucher Total:	\$23,170.10	Earnings to date:	\$602,628.00
-Current Retainage:	\$0.00	- Retainage to date:	\$21,566.50
-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>\$23,170.10</b>	Net Earnings to date:	\$581,061.50
		- Payments to date:	\$557,891.40
		<b>Net Earnings this period:</b>	<b>\$23,170.10</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.

DocuSigned by:  
*Frank Varicalli* 11/09/2022  
 Frank D. Varicalli, AEW, Inc. (Date)



# Construction Pay Estimate Amount Balance Report

Estimate: 4

11/9/2022 1:20 PM  
FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

**Contract: .0160-0430, 2020 Sewer Open Cut Repair Program**  
**Project: 0160-0430, 2020 Sewer Open Cut 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 & Mobilization Expense- (3% Max)	1027051	1.000	LS	1.000	1.000	1.000	100%	9,400.00000	\$9,400.00
0010	- Mobilization	1027051	1.000	LS	1.000	1.000	1.000	100%	11,000.00000	\$11,000.00
0015	- Tree, Rem	2027050	1.000	Ea	1.000	1.000	1.000	100%	500.00000	\$500.00
0020	Dr Structure, Rem	2030011	13.000	Ea	13.000	13.000	13.000	100%	300.00000	\$3,900.00
0025	Sewer, Rem, Less than 24 inch	2030015	512.000	Ft	600.000	600.000	600.000	117%	15.00000	\$9,000.00
0030	Curb and Gutter, Rem	2040020	0.000	Ft	0.000	0.000	0.000		5.00000	
0035	Sidewalk, Rem	2040055	105.000	Syd	104.810	104.810	104.810	99%	5.00000	\$524.05
0040	- Driveway, Conc, Rem	2047011	130.000	Syd	129.780	129.780	129.780	99%	9.00000	\$1,168.02
0045	- Subgrade Undercutting, Modified	2057021	0.000	Cyd	0.000	0.000	0.000		9.00000	
0050	Maintenance Gravel, LM	3060021	13.000	Cyd	326.500	326.500	326.500	2512%	15.00000	\$4,897.50
0055	Sewer, CI IV, 24 inch, Tr Det B	4020993	0.000	Ft	24.400	24.400	24.400		500.00000	\$12,200.00
0060	- Sewer, Post-Construction, CCTV	4027001	0.000	Ft	0.000	0.000	0.000		10.00000	
0065	- Sewer, PVC Truss, 08 inch, Tr Det B	4027001	0.000	Ft	23.000	23.000	23.000		200.00000	\$4,600.00
0070	- Sewer, PVC Truss, 10 inch, Tr Det B	4027001	403.000	Ft	403.000	403.000	403.000	100%	200.00000	\$80,600.00
0075	- Sewer, PVC Truss, 12 inch, Tr Det B	4027001	100.000	Ft	134.500	134.500	134.500	135%	210.00000	\$28,245.00
0080	- Dr Structure, Tap, 4 inch - 12 inch	4027050	40.000	Ea	36.000	36.000	36.000	90%	500.00000	\$18,000.00
0085	- External Structure Wrap, 12 inch	4027050	8.000	Ea	0.000	0.000	0.000		200.00000	
0090	- External Structure Wrap, 18 inch	4027050	11.000	Ea	11.000	11.000	11.000	100%	500.00000	\$5,500.00
0095	- Sewer Bulkhead, 6 inch - 12 inch	4027050	2.000	Ea	6.000	6.000	6.000	300%	200.00000	\$1,200.00
0100	Dr Structure Cover, Adj, Case 1, Modifie	4030004	27.000	Ea	27.000	27.000	27.000	100%	200.00000	\$5,400.00
0105	Dr Structure Cover, Adj, Case 2	4030006	13.000	Ea	13.000	13.000	13.000	100%	500.00000	\$6,500.00
0110	Dr Structure, Adj, Add Depth	4030280	21.940	Ft	0.000	0.000	0.000		1.00000	
0115	- Dr Structure Cover, Catch Basin	4037050	12.000	Ea	12.000	12.000	12.000	100%	551.00000	\$6,612.00
0120	- Dr Structure Cover, Manhole	4037050	13.000	Ea	13.000	13.000	13.000	100%	510.00000	\$6,630.00
0125	- Dr Structure Trap, 08 inch	4037050	0.000	Ea	0.000	0.000	0.000		330.00000	
0130	- Dr Structure Trap, 10 inch	4037050	17.000	Ea	17.000	17.000	17.000	100%	330.00000	\$5,610.00
0135	- Dr Structure Trap, 12 inch	4037050	4.000	Ea	4.000	4.000	4.000	100%	361.00000	\$1,444.00
0140	- Dr Structure, 24 inch dia w/ Sump	4037050	2.000	Ea	5.000	5.000	5.000	250%	1,840.00000	\$9,200.00

**Contract: .0160-0430** Estimate: 4



# Construction Pay Estimate Amount Balance Report

Estimate: 4

Anderson, Eckstein and Westrick, Inc.

11/9/2022 1:20 PM  
FieldManager 5.3c

## Project: 0160-0430, 2020 Sewer Open Cut 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
0145	- Dr Structure, 36 inch dia w/ Sump	4037050	10.000	Ea	10.000	10.000	10.000	100%	2,600.00000	\$26,000.00
0150	- Dr Structure, Manhole, 48 inch dia	4037050	0.000	Ea	0.000	0.000	0.000		2,953.00000	
0155	Underdrain, Subgrade, 4 inch	4040071	144.000	Ft	171.000	171.000	171.000	119%	10.00000	\$1,710.00
0160	HMA, 13A	5010033	0.000	Ton	0.000	0.000	0.000		270.00000	
0165	- Cold Patch	5017031	17.000	Ton	86.520	86.520	86.520	509%	200.00000	\$17,304.00
0170	- Joint, Expansion, E2	6027001	45.000	Ft	42.200	42.200	42.200	94%	25.00000	\$1,055.00
0175	- Joint, Expansion, ERG, Modified	6027001	30.000	Ft	25.900	25.900	25.900	86%	25.00000	\$647.50
0180	Cement	6030005	0.000	Ton	0.000	0.000	0.000		50.00000	
0185	Lane Tie, Epoxy Anchored	6030030	425.000	Ea	448.000	448.000	448.000	105%	5.00000	\$2,240.00
0190	Pavt Repr, Nonreinf Conc, 8 inch	6030044	788.000	Syd	788.180	788.180	788.180	100%	75.00000	\$59,113.50
0195	Pavt Repr, Rem	6030080	788.000	Syd	788.180	788.180	788.180	100%	10.00000	\$7,881.80
0200	- Full Depth Sawcutting	6037001	1,082.000	Ft	1,082.800	1,082.800	1,082.800	100%	2.00000	\$2,165.60
0205	- Curb Casting	7177050	0.000	Ea	0.000	0.000	0.000		150.00000	
0210	Driveway, Nonreinf Conc, 6 inch	8010005	22.000	Syd	21.900	21.900	21.900	99%	60.00000	\$1,314.00
0215	Driveway, Nonreinf Conc, 8 inch	8010007	82.000	Syd	82.490	82.490	82.490	101%	70.00000	\$5,774.30
0220	Curb and Gutter, Conc, Det F4	8020038	0.000	Ft	0.000	0.000	0.000		25.00000	
0225	Detectable Warning Surface	8030010	25.000	Ft	25.000	25.000	25.000	100%	40.00000	\$1,000.00
0230	Sidewalk Ramp, Conc, 4 inch	8030034	104.000	Sft	103.430	103.430	103.430	99%	7.00000	\$724.01
0235	Sidewalk, Conc, 4 inch	8030044	299.000	Sft	298.620	298.620	298.620	99%	6.00000	\$1,791.72
0240	Sidewalk, Conc, 6 inch	8030046	53.000	Sft	52.500	52.500	52.500	99%	6.00000	\$315.00
0245	Sidewalk, Conc, 8 inch	8030048	0.000	Sft	0.000	0.000	0.000		8.00000	
0250	- Sidewalk Ramp, Conc, 8 inch	8037010	305.000	Sft	304.660	304.660	304.660	99%	9.00000	\$2,741.94
0255	- Traffic Control and Maintenance	8127051	1.000	LS	0.500	0.500	0.500	50%	10,000.00000	\$5,000.00
0260	- Surface Restoration, Seeding	8167011	220.000	Syd	219.890	219.890	219.890	99%	9.00000	\$1,979.01
0265	- Surface Restoration, Sodding	8167011	0.000	Syd	0.000	0.000	0.000		10.00000	
0270	- Deliverables - Post CCTV	8267051	0.000	LS	0.000	0.000	0.000		500.00000	
0275	- Fencing, Remove and Reinstall	8507050	2.000	Ea	2.000	2.000	2.000		500.00000	
<b>Subtotal for Category 0000:</b>										<b>370887.95</b>

Contract: 0160-0430

Estimate: 4



# Construction Pay Estimate Amount Balance Report

Estimate: 4

Anderson, Eckstein and Westrick, Inc.

11/9/2022 1:20 PM  
FieldManager 5.3c

**Project: 0160-0430, 2020 Sewer Open Cut Repair Program**

**Category: 0001, Pipe Burst Program**

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
0280	- Mobilization	1027051	1,000	LS	1,000	1,000	1,000	100%	5,000.00000	\$5,000.00
0285	- Tree, Rem	2027050	1,000	Ea		0,000			500.00000	
0290	- Dr Structure, Rem	2030011	3,000	Ea		4,000	4,000	133%	300.00000	\$1,200.00
0295	- Sewer, Rem, Less than 24 inch	2030015	210,000	Fl		63,000	63,000	30%	15.00000	\$945.00
0300	- Sidewalk, Rem	2040055	190,000	Syd		0,000			5.00000	
0305	- Driveway, Rem	2047011	500,000	Syd		0,000			9.00000	
0310	- Fencing, Remove and Reinstall	8507050	4,000	Ea		0,000			500.00000	
0315	- Ero Con, Inlet Protection, Fabric Drop	2080020	12,000	Ea		0,000			100.00000	
0320	- Maintenance Gravel, LM	3060021	91,000	Cyd		37,020	37,020	41%	15.00000	\$555.30
0325	- Pipe Burst Ex. 10 inch Sewer(Replace w/ 10 inch, SDR 17 DIPS HDPE, Grey)	4027001	485,000	Fl		406,300	406,300	84%	120.00000	\$48,756.00
0330	- Pipe Burst Ex. 12 inch Sewer (Replace w/ 12 inch, SDR 17 DIPS HDPE, Grey)	4027001	375,000	Fl		430,000	430,000	115%	130.00000	\$55,900.00
0335	- Pipe Burst Ex. 15 inch Sewer (Replace w/ 12 inch, SDR 17 DIPS HDPE, Grey)	4027001	175,000	Fl		137,000	137,000	78%	175.00000	\$23,975.00
0340	- Sanitary Sewer, Pre-Construction, Clean and CCTV, 8 inch - 12 inch	4027001	1,150,000	Fl		0,000			10.00000	
0345	- Sanitary Sewer, Pre-Construction, Clean and CCTV, 15 inch - 21 inch	4027001	175,000	Fl		0,000			10.00000	
0350	- Sanitary Sewer, Post-Construction, Clean and CCTV, 8 inch - 12 inch	4027001	1,150,000	Fl		0,000			12.00000	
0355	- Sanitary Sewer, Post-Construction, Clean and CCTV, 15 inch - 21 inch	4027001	175,000	Fl		0,000			12.00000	
0360	- Sewer, PVC Truss, 8 inch, Tr Det B	4027001	55,000	Fl		11,000	11,000	20%	200.00000	\$2,200.00
0365	- Sewer, PVC Truss, 10 inch, Tr Det B	4027001	60,000	Fl		53,500	53,500	89%	191.50000	\$10,245.25
0370	- Sewer, PVC Truss, 12 inch, Tr Det B	4027001	30,000	Fl		0,000			135.00000	
0375	- Sewer, PVC Truss, 15 inch, Tr Det B	4027001	50,000	Fl		22,000	22,000	44%	300.00000	\$6,600.00
0380	- Sewer, CI IV, 18 inch, Tr Det B	4020989	10,000	Fl		0,000			400.00000	
0385	- External Structure Wrap, 12 inch	4027050	6,000	Ea		1,000	1,000	17%	200.00000	\$200.00
0390	- External Structure Wrap, 18 inch	4027050	12,000	Ea	3,000	12,000	12,000	100%	500.00000	\$6,000.00
0395	- Pipe Burst Insertion and Retrieval Pits	4027050	12,000	Ea		12,000	12,000	100%	2,500.00000	\$30,000.00
0400	- Dr Structure, Adj, Case 1	4037050	12,000	Ea		2,000	2,000	17%	200.00000	\$400.00

**Contract: 0160-0430** Estimate: 4



# Construction Pay Estimate Amount Balance Report

Estimate: 4

11/9/2022 1:20 PM  
FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

**Project: 0160-0430, 2020 Sewer Open Cut Repair Program**

**Category: 0001, Pipe Burst Program**

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
0405	_ Dr Structure, Adj, Case 2	4037050		8.000 Ea	3.000	9.000	9.000	113%	500.00000	\$4,500.00
0410	Dr Structure, Adj, Add Depth	4030280		46.000 Ft		0.500	0.500	1%	1.00000	\$0.50
0415	Dr Structure, Tap, 8 inch	4030308		1.000 Ea		3.000	3.000	300%	500.00000	\$1,500.00
0420	Dr Structure, Tap, 10 inch	4030310		6.000 Ea		5.000	5.000	83%	500.00000	\$2,500.00
0425	Dr Structure, Tap, 12 inch	4030312		5.000 Ea		6.000	6.000	120%	500.00000	\$3,000.00
0430	_ Dr Structure, Tap, 16 inch	4027050		2.000 Ea		2.000	2.000	100%	500.00000	\$1,000.00
0435	_ Dr Structure Frame and Cover, Storm Manhole	4037050		14.000 Ea		7.000	7.000	50%	510.00000	\$3,570.00
0440	_ Dr Structure Frame and Cover, Storm Catch Basin	4037050		4.000 Ea	3.000	3.000	3.000	75%	551.00000	\$1,653.00
0445	_ Dr Structure Trap, 8 inch	4037050		1.000 Ea		0.000	0.000		600.00000	
0450	_ Dr Structure Trap, 10 inch	4037050		5.000 Ea		0.000	0.000		330.00000	
0455	_ Dr Structure, 36 inch dia w/ Sump	4037050		3.000 Ea		0.000	0.000		2,600.00000	
0460	Dr Structure, 48 inch dia	4030210		1.000 Ea		1.000	1.000	100%	2,953.00000	\$2,953.00
0465	_ Cold Patch	5017031		80.000 Ton		0.000	0.000		25.00000	
0470	Joint, Expansion, E2	6020207		28.000 Ft		0.000	0.000		25.00000	
0475	_ Joint, Expansion, ERG, Modified	6027001		28.000 Ft		0.000	0.000		50.00000	
0480	Cement	6030005		5.000 Ton		0.000	0.000		5.00000	
0485	Lane Tie, Epoxy Anchored	6030030		500.000 Ea	59.000	59.000	59.000	12%	5.00000	\$295.00
0490	_ Full Depth Sawcutting	6037001		500.000 Ft	63.000	63.000	63.000	13%	2.00000	\$126.00
0495	Pavt Repr, Nonreinf Conc, 8 inch	6030044		400.000 Syd	61.180	61.180	61.180	15%	75.00000	\$4,588.50
0500	Pavt Repr, Rem	6030080		400.000 Syd	61.180	118.170	118.170	30%	10.00000	\$1,181.70
0505	Driveway, Nonreinf Conc, 6 inch	8010005		450.000 Syd	85.330	85.330	85.330	19%	60.00000	\$5,119.80
0510	Driveway, Nonreinf Conc, 8 inch	8010007		50.000 Syd		0.000	0.000		70.00000	
0515	Sidewalk, Conc, 4 inch	8030044		1,000.000 Sft	166.000	166.000	166.000	17%	6.00000	\$996.00
0520	Sidewalk, Conc, 6 inch	8030046		150.000 Sft		0.000	0.000		6.00000	
0525	Sidewalk, Conc, 8 inch	8030048		200.000 Sft	122.500	122.500	122.500	61%	8.00000	\$980.00
0530	_ Sidewalk Ramp, Conc, 8 inch	8017011		350.000 Syd		0.000	0.000		9.00000	
0535	Detectable Warning Surface	8030010		35.000 Ft	20.000	20.000	20.000	57%	40.00000	\$800.00
0540	_ Traffic Control and Maintenance	8127051		1.000 LS		0.500	0.500	50%	10,000.00000	\$5,000.00

**Contract: 0160-0430**

**Estimate: 4**



# Construction Pay Estimate Amount Balance Report

Estimate: 4

11/9/2022 1:20 PM  
FieldManager 5.3c

Anderson, Eckstein and Westrick, Inc.

**Project:** 0160-0430, 2020 Sewer Open Cut Repair Program

**Category:** 0001, Pipe Burst Program

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	- Surface Restoration, Sodding	8167011	100.000	Syd		0.000			10.000000	
0550	- Final Cleanup and Restoration	2097051	1.000	LS		0.000			5,000.000000	
0555	- Deliverables - CCTV	8267051	1.000	LS		0.000			500.000000	

Subtotal for Category 0001: 231740.05

Subtotal for Project 0160-0430: 602628.00

**Percentage of Contract Completed(curr): 80%**  
(total earned to date / total of all authorized work)

Total Amount Earned This Estimate: \$23,170.10

Total Amount Earned To Date: \$602,628.00