

Meeting Minutes

No 172 Intercity Drainage Board Meeting Gratiot and Montcalm Counties

Thursday, August 18, 2022, at 10:00 AM
Carson City Elementary School
338 S. Gratiot Ave.
Carson City, Michigan 48811

1. Call to Order and Introductions:

Meeting was called to order by Brady at 10:00 AM

Present: Todd Sattler, Montcalm County
Bernie Barnes, Gratiot County
Brady Harrington, MDARD
Brody Jackson, Ross
Matt Frezza, ENG
Rob Shlimovitz, ENG

2. Motion to Elect a Secretary

A motion was made by Bernie and seconded by Todd to select Montcalm County as Secretary.
Motion Carried.

3. Review and Set the Agenda

A motion was made by Bernie and seconded by Todd to approve the agenda as amended.
Motion Carried.

4. Approval of the July 21, 2022, Meeting Minutes

A motion was made by Bernie and seconded by Todd to approve the minutes as presented.
Motion Carried.

5. Communications and Reports of Board Members, Committees and Consultants

a. Construction Update

Contract #1 is complete except for the punch list items. The board will do a site review after the meeting to create the punch list for completion. Seeding and brush removal will be completed by the end of September. Miscellaneous brush piles will be burned or buried. Bernie noted that there are miscellaneous trees that are still needing to be removed on the Gratiot side. C&L Trucking started working on 8/1 and stopped at the school parking lot on 8/5 because they ran out of pipe. Restoration at the school is 95% complete. All sidewalk work at school is complete. There is not asphalt yet. Currently pipe is laid through Elm and 7th. They will be going back to install catch basins and complete miscellaneous grading by the end of this week. Minor pipe grade interferences on city utilities. ENG reports that the job is running smoothly. C&L Trucking is to prep for school to start.

A motion was made by Todd and seconded by Bernie for Brady to issue substantial completion for Contract #1. Motion carried.

b. Approval of Change Orders/Progress Payments

Change order #1 was approved. There is to be a net of \$10,052 to be deducted from the contract price. Retainage is to stay at 10% until completed at the end of September. Pay application #3 on contract #1 approved in the amount of \$29,598.75.

c. Receive the Treasurer's Report

The Treasurer's Report was presented to the board. Bernie noticed that there was an incorrect vendor listed on the report. The financing deposit was updated to reflect Isabella Bank as the payor in stead of Fahey Schultz.

A motion was made by Bernie and seconded by Todd to accept the treasurer's report with the vendor correction. Motion Carried.

6. Approval of Invoices

The board received an invoice from ENG in the amount of \$8,483.94.

A motion was made by Bernie and seconded by Todd to pay the outstanding invoice for ENG. Motion Carried.

7. Other Business

No other business.

8. Public Comment

No Public Comment

9. Set Date and Time for Next Meeting

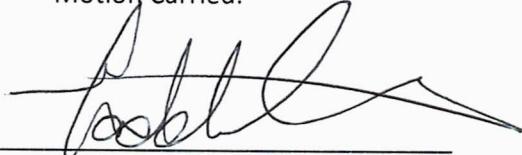
The board would like to continue to hold meetings on the 3rd Thursday of the month.

A motion was made by Bernie and seconded by Todd to schedule the next Drainage Board Meeting for September 15, 2022, at 10:00 AM. Motion Carried.

10. Adjourn

A motion was made by Bernie and seconded by Todd to adjourn the meeting at 12:10 PM.

Motion Carried.



Todd Sattler, Secretary

Dated: August 18, 2022

Drain: 80165 : No 172 InterCo: 10/01/19 - 08/18/2022							
Order Date	Order #	Type	Vendor	Description	Expenses	Revenue	Balance
10/01/19	Beginning Balance						\$ (7,365.42)
10/07/19	5810	Revolving	Drain Maintenance	Catch Basin/Lid Cleaning	\$ 80.05		\$ (7,445.47)
10/30/19	5898	Revolving	Drain Maintenance	Miss Dig	\$ 80.57		\$ (7,526.04)
01/28/20	6049	Revolving	Drain Maintenance	Miss Dig	\$ 80.18		\$ (7,606.22)
05/20/20	6192	Revolving	Drain Maintenance	Drain Problem Report	\$ 161.52		\$ (7,767.74)
05/31/20	12094			2019 Special Assessment Revenue		\$ 8,250.00	\$ 482.26
06/09/20	6229	Demand	Drain Maintenance	Drain Inspection	\$ 242.28		\$ 239.98
08/24/20	20-007	Demand	Montcalm County	Notice of Board Meeting (Practicability)	\$ 50.05		\$ 189.93
09/10/20	273943	Demand/Revolving	Daily News (445)	Publication of Drainage Board Meeting	\$ 215.40		\$ (25.47)
09/29/20		Revolving	Montcalm County	10/01/2019-08/31/2020 Indirect Allocations	\$ 35.85		\$ (61.32)
10/01/20	Beginning Balance						\$ (61.32)
10/29/20	203342	Revolving	Spicer	Account Support	\$ 51.49		\$ (112.81)
12/08/20	00073	Revolving	ENG Inc (28044)	Engineering	\$ 1,156.64		\$ (1,269.45)
12/08/20	00074	Revolving	ENG Inc (28044)	Engineering	\$ 2,327.50		\$ (3,596.95)
12/15/20	00285	Revolving	Gratiot County Harald (5606)	Gratiot Publishing Practicability Meeting Notice	\$ 456.00		\$ (4,052.95)
12/15/20	00286	Revolving	Gratiot County Harald (5606)	Gratiot Affidavit of Publishing	\$ 12.00		\$ (4,064.95)
12/17/20	12433		Gratiot County Drain Commission	Comp of Costs (34%) \$4250 & Consumers/Wind Farm Crossing Fee \$1500		\$ 5,750.00	\$ 1,685.05
01/26/21	00211	Demand	Daily News (445)	Cost of Publishing Notices	\$ 566.10		\$ 1,118.95
02/16/21	00289	Demand	FAHEY SCHULTZ BURZYCH RHODES PLC (16022)	Preliminary Design	\$ 182.00		\$ 936.95
04/06/21	000557	2021-001	Perry Drain	Drain Note		\$ 29,725.00	\$ 30,661.95
04/08/21	00685	Demand	Gratiot County Harald (5606)	Publication & Posting	\$ 316.00		\$ 30,345.95
04/08/21	00684	Demand	Fahey Schultz Burzych Rhodes PLC (16022)	Legal	\$ 320.00		\$ 30,025.95
04/22/21	00728	Demand	ENG Inc (28044)	Engineering	\$ 19,629.70		\$ 10,396.25
04/22/21	00737	Demand	Fahey Schultz Burzych Rhodes PLC (16022)	Legal	\$ 180.00		\$ 10,216.25
05/20/21	00797	Demand	Fahey Schultz Burzych Rhodes PLC (16022)	Legal	\$ 680.00		\$ 9,536.25
05/20/21	00798	Demand	ENG Inc (28044)	Engineering	\$ 6,005.00		\$ 3,531.25
05/27/21	00800	Demand	MONTCALM COUNTY REGISTER OF DEEDS (3516)	Easement Aquisition	\$ 60.00		\$ 3,471.25
06/24/21	00881	Demand	ENG Inc (28044)	Preliminary Design	\$ 2,100.00		\$ 1,371.25
08/26/21	01070	Demand	FAHEY SCHULTZ BURZYCH RHODES PLC (16022)	Easement Aquisition	\$ 80.00		\$ 1,291.25
10/14/21	01179	Demand	FAHEY SCHULTZ BURZYCH RHODES PLC (16022)	Easement Review	\$ 80.00		\$ 1,211.25
10/21/21	01231	Demand	FAHEY SCHULTZ BURZYCH RHODES PLC (16022)	Review Title Materials & GIS - Histroical Easment Affidavits	\$ 245.00		\$ 966.25
11/18/21	01295	Demand	Daily News (445)	Publication & Posting	\$ 501.65		\$ 464.60
11/18/21	01292	Demand	Gratiot County Harald (5606)	Publication & Posting	\$ 145.00		\$ 319.60
11/29/21	001384	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 28,830.92	\$ 29,150.52
12/02/21	001543	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 13,377.87	\$ 42,528.39
12/06/21	001556	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,850.85	\$ 44,379.24
12/10/21	001575	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,648.94	\$ 46,028.18
12/13/21	001583	Deposit	No 172 Inter County Drain	MDOT Prepayment		\$ 413.94	\$ 46,442.12
12/13/21	001584	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 13,462.53	\$ 59,904.65
12/16/21	001591	Deposit	No 172 Inter County Drain	Montcalm County At Large Prepayment		\$ 137,818.94	\$ 197,723.59
12/20/21	001596	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,681.63	\$ 199,405.22
12/20/21	001595	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 3,178.49	\$ 202,583.71
12/20/21	001594	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,759.40	\$ 204,343.11
12/20/21	001593	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,686.72	\$ 206,029.83
12/21/21	001599	Deposit	No 172 Inter County Drain	Carson City At Large Prepayment		\$ 100,000.00	\$ 306,029.83
12/27/21	001602	Deposit	No 172 Inter County Drain	Bloomer Township At Large Prepayment		\$ 41,393.24	\$ 347,423.07
12/27/21	001601	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 1,672.63	\$ 349,095.70
01/03/22	001618	Deposit	FAHEY SCHULTZ BURZYCH RHODES PLC (16022)	Refund of Invoice Paid Twice		\$ 80.00	\$ 349,175.70
01/04/22	001600	Deposit	No 172 Inter County Drain	Montcalm County Prepayments - Various Property Owners		\$ 2,075.18	\$ 351,250.88
01/07/22	001630	Deposit	No 172 Inter County Drain	Gratiot County Prepayments - Various Property Owners		\$ 44,806.23	\$ 396,057.11
01/13/21	01381	Demand	ENG Inc (28044)	Engineering	\$ 2,000.00		\$ 394,057.11

Drain: 80165 : No 172 InterCo: 10/01/19 - 08/18/2022							
Order Date	Order #	Type	Vendor	Description	Expenses	Revenue	Balance
01/13/21	01380	Demand	ENG Inc (28044)	Engineering	\$ 2,680.72		\$ 391,376.39
01/13/21	01379	Demand	ENG Inc (28044)	Engineering	\$ 1,035.00		\$ 390,341.39
02/28/22	001707	Transfer	Revolving Drain Fund	Repayment of 802 Funds	\$ 9,628.61		\$ 380,712.78
02/28/22	001741	Transfer	Perry Drain	Drain Note 2021-001	\$ 20,096.39		\$ 360,616.39
02/28/22	001742	Transfer	Perry Drain	Interest on Debt Drain Note 2021-001	\$ 200.96		\$ 360,415.43
03/31/22	01525	Demand	ENG Inc (28044)	Engineering	\$ 350.00		\$ 360,065.43
03/31/22	01524	Demand	ENG Inc (28044)	Engineering	\$ 1,511.38		\$ 358,554.05
04/21/22	01579	Demand	Bendzinski & Co (17314)	Consultants	\$ 15,200.00		\$ 343,354.05
04/21/22	01587	Demand	Clark Hill PLC (29347)	Consultants	\$ 13,224.83		\$ 330,129.22
04/07/22	001798	Deposit	Isabella Bank	Financing - Received		\$ 539,000.00	\$ 869,129.22
05/03/22	01611	Demand	Jackson Dirt Works LLC (15275)	Construction	\$ 49,361.40		\$ 819,767.82
06/23/22	01719	Demand	ENG Inc (28044)	Engineering	\$ 7,179.44		\$ 812,588.38
06/23/22	01720	Demand	ENG Inc (28044)	Engineering	\$ 4,009.28		\$ 808,579.10
06/23/22	01721	Demand	ENG Inc (28044)	Engineering	\$ 1,323.87		\$ 807,255.23
06/30/22	002092	Deposit	No 172 Inter County Drain	Carson City At Large Prepayment - Remaining Balance		\$ 137,186.63	\$ 944,441.86
08/02/22	01864	Demand	Jackson Dirt Works LLC (15275)	Construction	\$ 262,511.78		\$ 681,930.08
				Remaining Balance			\$ 681,930.08

SECTION 00900.3

CHANGE ORDER

No. 1

DATE OF ISSUANCE August 8, 2022

EFFECTIVE DATE

August 8, 2022

OWNER Intercounty Drain Board

CONTRACTOR Jackson Dirtworks Inc.

Contract: No. 172 Intercounty Drain - Contract 1

Project:

OWNER's Contract No. _____ ENGINEER's Contract No. 20047.00

ENGINEER ENG., Inc.

You are directed to make the following changes in the Contract Documents:

Description:

Addition of: 35 LF of 24-Inch Dual Wall HDPE Culvert, 76 LF of Complete Clearing, Grubbing, and snagging_Field, & 71 SYDS of Plain Riprap.

Removal of: 1.75 SYDS of 8-inch Aggregate Base, 1.75 SYDS of HMA Roadway Removal, 40 LF of Metal Headwall Removal, 54 LF of Complete Clearing, Grubbing, and Snagging_Woods, 550 LF Bank Tapering, 76 LF of Open Drain Cleanout, 2940 LF of Spoil Leveling, 150 SYDS of Mulch Blanket, 1474 SYDS of Lawn Restoration, & 2 EA of Feild Tile Adjustment.

Reason for Change Order: Final Balancing.

Attachments: (List documents supporting change) Change Order #1 Spreadsheet

CHANGE IN CONTRACT PRICE:

Original Contract Price

\$389,465.25

Net Increase (Decrease) from previous Change Orders

No. N/A To: N/A

\$0.00

Contract Price prior to this Change Order:

\$389,465.25

Net increase (decrease) of this Change Order:

(\$10,052.00)

Contract Price with all approved Change Orders:

\$379,413.25

CHANGE IN CONTRACT TIMES:

Original Contract Times:

Substantial Completion:

Ready for final payment

(days or dates)

Net change from previous Change Orders No. _____ To No: _____

Substantial Completion:

Ready for final payment:

(days)

Contract Times prior to this Change Order:

Substantial Completion:

Ready for final payment:

(days or dates)

Net increase (decrease) this Change Order:

Substantial Completion:

Ready for final payment:

(days)

Contract Times with all approved Change Orders:

Substantial Completion:

Ready for final payment:

(days or dates)

RECOMMENDED:

APPROVED:

ACCEPTED:

By:

ENGINEER (Authorized Signature)

By:

OWNER (Authorized Signature)

By:

CONTRACTOR (Authorized Signature)

Date:

Date:

Date:

END OF SECTION

00900.3 - 1

NO. 172 INTERCOUNTY DRAINAGE BOARD - No. 172 Intercounty Drain

PROJECT NO: 20047.00						Change Order #1			
ITEM NO	ITEM DESCRIPTION	UNIT	TOTAL QUANT	UNIT PRICE	AMOUNT	REVISED QUANTITY CHANGE W/ CO	REVISED QUANTITY W/ CO #1	COST ADJUSTMENT W/ CO #1	REVISED AMOUNT W/ CO #1
10	24-inch Dual Wall HDPE, Culvert	LF	30	\$75.00	\$2,250.00	35.00	65.00	\$2,625.00	\$4,875.00
11	18-inch Dual Wall HDPE, Culvert	LF	35	\$70.00	\$2,450.00	0.00	35.00	\$0.00	\$2,450.00
12	18-inch CSP 2.66" x 0.5" Galvanized 12 Gauge, Culvert	LF	78	\$70.00	\$5,460.00	0.00	78.00	\$0.00	\$5,460.00
13	72-inch CSP 3" x 1" Galvanized 12 Gauge, Culvert	LF	58	\$310.00	\$17,980.00	0.00	58.00	\$0.00	\$17,980.00
15	Mount Hope Road Crossing, 95" x 67" CSP ARCH 3" x 1", 12 Gauge Polymer Coated, Culvert	LF	60	\$490.00	\$29,400.00	0.00	60.00	\$0.00	\$29,400.00
16	Roosevelt Road Crossing, 72" DIA. CSP 3" x 1" 12 gauge polymer coated culvert.	LF	76	\$540.00	\$41,040.00	0.00	76.00	\$0.00	\$41,040.00
20	Gravel Roadway Removal and Restoration	SYD	62	\$18.00	\$1,116.00	0.00	62.00	\$0.00	\$1,116.00
21	HMA Roadway Restoration	TON	17	\$350.00	\$5,950.00	0.00	17.00	\$0.00	\$5,950.00
27	8-inch Aggregate Base	SYD	86	\$18.00	\$1,548.00	-1.75	84.25	-\$31.50	\$1,516.50
31	Culv, Rem, Less than 24-inch Dia	EA	1	\$500.00	\$500.00	0.00	1.00	\$0.00	\$500.00
32	Culv, Rem, Over 48-inch Dia	EA	4	\$1,000.00	\$4,000.00	0.00	4.00	\$0.00	\$4,000.00
34	HMA Roadway Removal	SYD	86	\$10.00	\$860.00	-1.75	84.25	-\$17.50	\$842.50
37	Metal Headwall Removal	LF	40	\$50.00	\$2,000.00	-40.00	0.00	-\$2,000.00	\$0.00
38	Complete Clearing, Grubbing, and Snagging_Woods	LF	4325	\$7.00	\$30,275.00	-54.00	4271.00	-\$378.00	\$29,897.00
39	Complete Clearing, Grubbing, and Snagging_Field	LF	11555	\$3.00	\$34,665.00	76.00	11631.00	\$228.00	\$34,893.00
40	Selective Clearing, Grubbing, and Snagging	LF	379	\$7.00	\$2,653.00	0.00	379.00	\$0.00	\$2,653.00
41	Bank Tapering	LF	7506	\$6.00	\$45,036.00	-550.00	6956.00	-\$3,300.00	\$41,736.00
42	Open Drain Cleanout	LF	7463	\$3.00	\$22,389.00	-76.00	7387.00	-\$228.00	\$22,161.00
43	Spillway Reshaping	EA	1	\$2,000.00	\$2,000.00	0.00	1.00	\$0.00	\$2,000.00
44	Spoil Leveling	LF	12117	\$1.25	\$15,146.25	-2940.00	9177.00	-\$3,675.00	\$11,471.25
45	Mulch Blanket	SYD	150	\$2.50	\$375.00	-150.00	0.00	-\$375.00	\$0.00
46	Lawn Restoration	SYD	1474	\$5.00	\$7,370.00	-1474.00	0.00	-\$7,370.00	\$0.00
47	Plain Riprap	SYD	896	\$70.00	\$62,720.00	71.00	967.00	\$4,970.00	\$67,690.00
48	40-foot Clearing	LF	396	\$7.00	\$2,772.00	0.00	396.00	\$0.00	\$2,772.00
49	Field Tile Adjustment	EA	4	\$250.00	\$1,000.00	-2.00	2.00	-\$500.00	\$500.00
53	Earth Excavation	CYD	391	\$10.00	\$3,910.00	0.00	391.00	\$0.00	\$3,910.00
54	Earth Fill	CYD	460	\$10.00	\$4,600.00	0.00	460.00	\$0.00	\$4,600.00
56	Mobilization, Max (10%)	LS	1	\$25,000.00	\$25,000.00	0.00	1.00	\$0.00	\$25,000.00
57	Traffic Control	LS	1	\$10,000.00	\$10,000.00	0.00	1.00	\$0.00	\$10,000.00
58	Soil Erosion and Sedimentation Control Measures	LS	1	\$5,000.00	\$5,000.00	0.00	1.00	\$0.00	\$5,000.00
ORIGINAL CONTRACT AMOUNT						\$389,465.25	\$-10,052.00		
REVISED CONTRACT AMOUNT						\$379,413.25	\$379,413.25		

ORIGINAL CONTRACT AMOUNT:	\$389,465.25
CHANGE ORDER #1:	-\$10,052.00
REVISED CONTRACT AMOUNT:	\$379,413.25

SECTION 00900.4

APPLICATION FOR PAYMENT NO. 3

To:	No. 172 Intercounty Drain Drainage Board		(OWNER)
From:	Jackson Dirt Works, Inc.		(CONTRACTOR)
Contract:	No. 172 Intercounty Drain - Contract 1		
Project:			
OWNER's Contract No.	1	ENGINEER's Project No.	20047.00
For Work accomplished through the date of: 07/22/2022			

1. Original Contract Price:	\$389,465.25
2. Net change by Change Orders and Written Amendments (+ or -):	(\$10,052.00)
3. Current Contract Price (1plus 2)	\$379,413.25
4. Total completed and stored to date:	\$379,413.25
5. Retainage (per Agreement):	
% of completed Work:	\$37,941.33
% of stored material:	
Total Retainage:	\$37,941.33
6. Total completed and stored to date less retainage (4 minus 5):	\$341,471.93
7. Less previous Application for Payments:	\$311,873.18
8. DUE THIS APPLICATION (6 MINUS 7):	\$29,598.75

Accompanying documentation:

CONTRACTOR'S Certification:

The undersigned CONTRACTOR certifies that (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied on account to discharge CONTRACTOR's legitimate obligations incurred in connection with Work covered by prior Applications for Payment numbered 1 & 2 inclusive; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to OWNER at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to OWNER indemnifying OWNER against any such Lien, security interest or encumbrance); and (3) all Work covered by this Application for payment is in accordance with the Contract Documents and not defective.

Dated _____

CONTRACTOR

State of _____

County of _____

Subscribed and sworn to before me this

Day of _____

Notary Public _____

My Commission expires: _____

Payment of the above AMOUNT DUE THIS APPLICATION is recommended.

Dated _____

ENGINEER

By: _____

END OF SECTION

NO. 172 INTERCOUNTY DRAIN DRAINAGE BOARD - No. 172 Intercounty Drain							PAY APP #3 (07/18/2022 to 07/22/2022)						
ITEM NO	ITEM DESCRIPTION	UNIT	TOTAL QUANT	UNIT PRICE	AMOUNT	REVISED QUANTITY W/ CO #1	REVISED AMOUNT W/ CO #1	QUANTITIES FOR PAY ESTIMATE #3	AMOUNT FOR PAY ESTIMATE #3	QUANTITY COMPLETE TO DATE	QUANTITY REMAINING	AMOUNT COMPLETE TO DATE	AMOUNT REMAINING
Contract 1 - Open Drain													
10	24-inch Dual Wall HDPE, Culvert	LF	30	\$75.00	\$2,250.00	65.00	\$4,875.00	35.00	\$2,625.00	65.00	0.00	\$4,875.00	\$0.00
11	18-inch Dual Wall HDPE, Culvert	LF	35	\$70.00	\$2,450.00	35.00	\$2,450.00	0.00	\$0.00	35.00	0.00	\$2,450.00	\$0.00
12	18-inch CSP 2.66" x 0.5" Galvanized 12 Gauge, Culvert	LF	78	\$70.00	\$5,460.00	78.00	\$5,460.00	0.00	\$0.00	78.00	0.00	\$5,460.00	\$0.00
13	72-inch CSP 3" x 1" Galvanized 12 Gauge, Culvert	LF	58	\$310.00	\$17,980.00	58.00	\$17,980.00	0.00	\$0.00	58.00	0.00	\$17,980.00	\$0.00
15	Mount Hope Road Crossing, 95" x 67" CSP ARCH 3" x 1", 12 Gauge Polymer Coated, Culvert	LF	60	\$490.00	\$29,400.00	60.00	\$29,400.00	0.00	\$0.00	60.00	0.00	\$29,400.00	\$0.00
16	Roosevelt Road Crossing, 72" DIA, CSP 3" x 1" 12 gauge polymer coated culvert.	LF	76	\$540.00	\$41,040.00	76.00	\$41,040.00	0.00	\$0.00	76.00	0.00	\$41,040.00	\$0.00
20	Gravel Roadway Removal and Restoration	SYD	62	\$18.00	\$1,116.00	62.00	\$1,116.00	0.00	\$0.00	62.00	0.00	\$1,116.00	\$0.00
21	HMA Roadway Restoration	TON	17	\$350.00	\$5,950.00	17.00	\$5,950.00	0.00	\$0.00	17.00	0.00	\$5,950.00	\$0.00
27	8-inch Aggregate Base	SYD	86	\$18.00	\$1,548.00	84.25	\$1,516.50	0.00	\$0.00	84.25	0.00	\$1,516.50	\$0.00
31	Culv. Rem, Less than 24-inch Dia	EA	1	\$500.00	\$500.00	1.00	\$500.00	1.00	\$500.00	1.00	0.00	\$500.00	\$0.00
32	Culv. Rem, Over 48-inch Dia	EA	4	\$1,000.00	\$4,000.00	4.00	\$4,000.00	0.00	\$0.00	4.00	0.00	\$4,000.00	\$0.00
34	HMA Roadway Removal	SYD	86	\$10.00	\$860.00	84.25	\$842.50	0.00	\$0.00	84.25	0.00	\$842.50	\$0.00
37	Metal Headwall Removal	LF	40	\$50.00	\$2,000.00	0.00	\$0.00	0.00	\$0.00	0.00	0.00	\$0.00	\$0.00
38	Complete Clearing, Grubbing, and Snagging Woods	LF	4325	\$7.00	\$30,275.00	4271.00	\$29,897.00	21.00	\$147.00	4271.00	0.00	\$29,897.00	\$0.00
39	Complete Clearing, Grubbing, and Snagging Field	LF	11555	\$3.00	\$34,665.00	11631.00	\$34,893.00	77.00	\$231.00	11631.00	0.00	\$34,893.00	\$0.00
40	Selective Clearing, Grubbing, and Snagging	LF	379	\$7.00	\$2,653.00	379.00	\$2,653.00	0.00	\$0.00	379.00	0.00	\$2,653.00	\$0.00
41	Bank Tapering	LF	7506	\$6.00	\$45,036.00	6956.00	\$41,736.00	-550.00	-\$3,300.00	6956.00	0.00	\$41,736.00	\$0.00
42	Open Drain Cleanout	LF	7463	\$3.00	\$22,389.00	7387.00	\$22,161.00	250.00	\$750.00	7387.00	0.00	\$22,161.00	\$0.00
43	Spillway Reshaping	EA	1	\$2,000.00	\$2,000.00	1.00	\$2,000.00	1.00	\$2,000.00	1.00	0.00	\$2,000.00	\$0.00
44	Spoil Leveling	LF	12117	\$1.25	\$15,146.25	9177.00	\$11,471.25	310.00	\$387.50	9177.00	0.00	\$11,471.25	\$0.00
45	Mulch Blanket	SYD	150	\$2.50	\$375.00	0.00	\$0.00	0.00	\$0.00	0.00	0.00	\$0.00	\$0.00
46	Lawn Restoration	SYD	1474	\$5.00	\$7,370.00	0.00	\$0.00	0.00	\$0.00	0.00	0.00	\$0.00	\$0.00
47	Plain Riprap	SYD	896	\$70.00	\$62,720.00	967.00	\$67,690.00	182.50	\$12,775.00	967.00	0.00	\$67,690.00	\$0.00
48	40-foot Clearing	LF	396	\$7.00	\$2,772.00	396.00	\$2,772.00	396.00	\$2,772.00	396.00	0.00	\$2,772.00	\$0.00
49	Field Tile Adjustment	EA	4	\$250.00	\$1,000.00	2.00	\$500.00	1.00	\$250.00	2.00	0.00	\$500.00	\$0.00
53	Earth Excavation	CYD	391	\$10.00	\$3,910.00	391.00	\$3,910.00	0.00	\$0.00	391.00	0.00	\$3,910.00	\$0.00
54	Earth Fill	CYD	460	\$10.00	\$4,600.00	460.00	\$4,600.00	0.00	\$0.00	460.00	0.00	\$4,600.00	\$0.00
56	Mobilization, Max (10%)	LS	1	\$25,000.00	\$25,000.00	1.00	\$25,000.00	0.50	\$12,500.00	1.00	0.00	\$25,000.00	\$0.00
57	Traffic Control	LS	1	\$10,000.00	\$10,000.00	1.00	\$10,000.00	0.00	\$0.00	1.00	0.00	\$10,000.00	\$0.00
58	Soil Erosion and Sedimentation Control Measures	LS	1	\$5,000.00	\$5,000.00	1.00	\$5,000.00	0.25	\$1,250.00	1.00	0.00	\$5,000.00	\$0.00
							\$389,465.25	\$379,413.25	\$32,887.50	\$379,413.25	\$0.00		

ORIGINAL CONTRACT AMOUNT:	\$389,465.25
MAX. POSSIBLE RETAINAGE OF ORIGINAL CONTRACT (10% UP TO 50% OF CONTRACT AMOUNT):	\$38,946.53
PAY ESTIMATE #1 AMOUNT:	\$54,846.00
RETAINAGE WITHHELD FOR PAY ESTIMATE #1:	\$5,484.60
TOTAL DUE FOR PAY ESTIMATE #1:	\$49,361.40
PAY ESTIMATE #2 AMOUNT:	\$291,679.75
RETAINAGE WITHHELD FOR PAY ESTIMATE #2:	\$29,167.98
TOTAL DUE FOR PAY ESTIMATE #2:	\$262,511.78
PAY ESTIMATE #3 AMOUNT:	\$32,887.50
RETAINAGE WITHHELD FOR PAY ESTIMATE #3:	\$3,288.75
RETAINAGE DUE FOR PAY ESTIMATE #3:	-
TOTAL DUE FOR PAY ESTIMATE #3:	\$29,598.75



With offices in Lansing
and Grand Haven
engdot.com

4063 Grand Oak Drive
Suite A109
Lansing, MI 48911
517.887.1100

16930 Robbins Road
Suite 105
Grand Haven, MI 49417
616.743.7070

Email invoice to Todd Sattler (Montcalm Co.), Bernie Barnes (Gratiot Co.) & Brady Harrington (MDARD)

Michigan Department of Agriculture and Rural Development
Todd Sattler
✓ #172 Intercounty Drain Drainage Board
c/o Montcalm County Drain Commissioner
211 W. Main Street, PO Box 368
Stanton, MI 48888

Invoice number 0016465
Date 07/22/2022

Project 20047.00 MDARD - #172 Intercounty
Drain (Montcalm & Gratiot Counties)

Please remit payment to:

Eng., Inc.
4063 Grand Oak Drive, Suite A109
Lansing, MI 48911

Taxpayer ID Number 38-3029478

Professional Services from June 1, 2022 to June 30, 2022

007 Inspection

Professional Personnel

	Hours	Billed Amount
Construction Administration	4.50	427.50
Construction Inspection	64.00	6,080.00
Professional Personnel subtotal	68.50	6,507.50

Reimbursable Expenses

	Hours	Billed Amount
Mileage		522.69
Phase subtotal		7,030.19

008 Construction Staking

Professional Personnel

	Hours	Billed Amount
2 Person Survey Crew	10.00	825.00
Field Data Compilation	2.50	375.00
Professional Personnel subtotal	12.50	1,200.00
Phase subtotal		1,200.00

009 Construction Engineering & Administration

Professional Personnel

	Hours	Billed Amount
Construction Administration	2.00	253.75
Invoice total		8,483.94

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
0016465	07/22/2022	8,483.94	8,483.94				
	Total	8,483.94	8,483.94	0.00	0.00	0.00	0.00