

November 4, 2024
Project No. 221916

Adam Smith
City Manager
City of Grand Ledge
310 Greenwood Street
Grand Ledge, MI 48837

Change Order 2 – City of Grand Ledge Well 2 Raw Water Main

The following is a description of the items for Change Order 2 for the Well 2 Raw Water Main Project:

Balancing Contract Quantities

- All Contract quantities except two have been verified and are incorporated into the Change Order to finalize the Contract value in preparation to close out the project in a timely manner.
- There are two Contract items waiting to be finalized that are not included in this Change Order. These items are both Allowance items. One is for testing and the other is for the installation of the VFD at Well 2. Both of these items are still open.

Added Work Items (SRF Eligible):

- Franklin Street T&M: Due to unstable soils on Franklin Street, near River Street, the bore hole for the new raw water main collapsed. This caused additional stabilization and excavation efforts to shore trench, protect existing pavement, and concrete structures adjacent to the project. This work occurred between the days of 6/17/2024 and 6/20/2024 with a net project cost of \$33,317.50.
- Sanitary Sewer Lead and Main Repair at 211 Franklin Street: The sanitary lead at 211 Franklin Street was cracked and allowed drilling materials to enter the lead and flow through to the sanitary sewer. E.T. Mackenzie was directed to repair the lead to avoid continued material loss and stop the drilling fluids from entering the sewer. While repairing the lead it was noted that the wye connection at the main was also cracked and this was replaced as well. The work occurred between the days of 6/3/2024 and 6/5/2024 with a net project cost of \$21,471.21.
- Well 2 Corp and Test Point: A filling and test port was requested to be installed at Well 2 by the City to facilitate additional filling and testing of the main. The main would sit without flow until the IRP is completed and ready to accept water from Well 2. The net project cost for this work is \$2,816.48.

IMPACT:

- After the balancing of the Contract items and adding the additional work noted above, this is a deduct to the Contract of \$103,572.79.

If you have any questions or require additional information, please contact me at 517.899.2641 or cstenzel@fishbeck.com

Sincerely,



Cory Stenzel

Senior Construction Manager

Attachments

By email

Copy: David Pawley – City of Grand Ledge
Kurt Ristow – City of Grand Ledge
John Willemin, PE – Fishbeck
Michael Berrevoets, PE – Fishbeck

CHANGE ORDER
PAGE 1 OF 2

CONTRACT FOR: City of Grand Ledge: Well 2 Raw Water Main

OWNER: City of Grand Ledge
City of Hall
310 Greenwood Street
Grand Ledge, MI 48837

CONTRACTOR: E.T. MacKenzie Company
4248 W Saginaw Highway
Grand Ledge, MI 48837

ENGINEER: Fishbeck
5913 Executive Drive, Suite 100
Lansing, MI 48911

ATTACHMENTS:

1. Quantity Summary
2. Franklin Street T&M From Frac Out/Poor Soils
3. 211 Franklin Street Sewer Repair
4. 2" Corp Installation at Well 2

Contractor shall indicate approval of Change Order through signing of this document and returning to Engineer. Engineer will forward to Owner, who shall indicate approval of Change Order through signing of this document and returning to Engineer. Upon receipt of fully executed (all signatures) Change Order, Engineer will distribute to all parties.

YOU ARE DIRECTED TO MAKE THE FOLLOWING CHANGES IN THE CONTRACT DOCUMENTS:

Change Order 02:

1. Balances unit price items to actual quantities that were measured in place.
2. Adds the work for supporting road cave-in and subsequent trench support that occurred due to existing soil conditions that were encountered during HDD installation at Franklin Street and River Street. Adds \$33,317.50.
3. Adds work to repair 211 Franklin Street sanitary sewer lead that was in poor condition and failed while completing HDD under it. Voids occurred from preexisting broken sewer lead and bore material was entering the lead and flowing into main. Adds \$21,471.21.
4. Installation of 2" corporation stop, 2" copper pipe and shut off valve at Well 2 per City of Grand Ledge request. Adds \$2,816.48.

The work included in this Change Order are all subject to SRF funding. All additional items were the result of exposure of existing conditions that were found during the prosecution of the work.

CHANGE ORDER
PAGE 2 OF 2

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 2,945,974.25

CHANGE IN CONTRACT TIMES:

Original Contract time:

Substantial Completion: October 18, 2024

Ready for final payment: November 1, 2024

Previous Change Order No.: 01

\$49,311.52

Add

Net change from previous Change Orders:

N/A

Contract Price prior to this Change Order:

\$ 2,995,285.77

Contract Time prior to this Change Order:

Substantial Completion: October 18, 2024

Ready for final payment: November 1, 2024

Net change of this Change Order:

\$103,572.79

decrease

Net change of this Change Order:

14 Days

increase

Contract Price with all approved Change Orders:

\$2,891,712.98

Contract Time with all approved Change Orders:

Substantial Completion: November 13, 2024

Ready for final payment: November 15, 2024

RECOMMENDED

By: _____



Engineer

Cory A. Stenzel,
Senior Construction Manager

Name and Title of Signatory

APPROVED

By: _____



Contractor

Michael Marks,
President

Name and Title of Signatory

APPROVED

By: _____

Owner

Adam Smith,
City Manager

Name and Title of Signatory

Date: _____

10/28/2024

Date: _____

11/1/24

Date: _____

END OF CHANGE ORDER

Grand Ledge Well 2 Raw Water Main - Change Order 02									
Item No.	Item Description	Unit	Bid Quantity	CO 01 Quantities Streets	Final Quantities SRF	Unit Price	Original Contract Amount	Final Amount SRF	Add/Deduct
2	Mobilization (5% Maximum of Total Bid)	LS	1		1.00	\$ 70,000.00	\$ 70,000.00	\$ 70,000.00	\$ -
3	Maintaining Traffic	LS	1		1.00	\$ 45,000.00	\$ 45,000.00	\$ 45,000.00	\$ -
4	Preconstruction Video Documentation	LS	1		1.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ -
5	Grading, Roadway	STA	9	1.5	9.60	\$ 4,300.00	\$ 38,700.00	\$ 41,280.00	\$ 2,580.00
6	Remove Concrete Curb and Gutter	LF	800		975.00	\$ 10.60	\$ 8,480.00	\$ 10,335.00	\$ 1,855.00
7	Remove Concrete Sidewalk and Drive Approaches	SYD	375		295.13	\$ 28.00	\$ 10,500.00	\$ 8,263.64	\$ (2,236.36)
8	Remove Pavement, Full Depth	SYD	1850	371	2,526.39	\$ 9.30	\$ 17,205.00	\$ 23,495.43	\$ 6,290.43
9	Remove Sewer Manhole, Valve Chamber or Catch Basin	EA	1		0.00	\$ 768.00	\$ 768.00	\$ -	\$ (768.00)
10	Remove Tree, 6-inch to 18-inch Diameter	EA	2		2.00	\$ 1,555.00	\$ 3,110.00	\$ 3,110.00	\$ -
11	Clearing	LS	1		1.00	\$ 2,567.00	\$ 2,567.00	\$ 2,567.00	\$ -
12	Remove, Salvage and Reinstall Sign	EA	2		0.00	\$ 1,415.00	\$ 2,830.00	\$ -	\$ (2,830.00)
13	Soil Erosion and Sedimentation Control	LS	1		1.00	\$ 49,100.00	\$ 49,100.00	\$ 49,100.00	\$ -
14	Aggregate Base, 8-inch	SYD	2050	371	4,245.58	\$ 18.50	\$ 37,925.00	\$ 78,543.23	\$ 40,618.23
15	Curb and Gutter, Concrete	LF	800		975.00	\$ 63.00	\$ 50,400.00	\$ 61,425.00	\$ 11,025.00
16	Driveway Approach, HMA	TON	65		0.00	\$ 558.00	\$ 36,270.00	\$ -	\$ (36,270.00)
17	Driveway Approach, Concrete, 6 inch	SFT	450		560.00	\$ 23.15	\$ 10,417.50	\$ 12,964.00	\$ 2,546.50
18	Pavement, HMA 3C	TON	320	61	236.59	\$ 183.15	\$ 58,608.00	\$ 43,331.46	\$ (15,276.54)
19	Pavement, HMA 4C	TON	160	30	208.86	\$ 228.95	\$ 36,632.00	\$ 47,818.50	\$ 11,186.50
20	Restoration, Lawn	SYD	8500		5,494.81	\$ 13.45	\$ 114,325.00	\$ 73,905.19	\$ (40,419.81)
21	Sidewalk Ramp, Concrete, ADA	SFT	120		253.50	\$ 48.00	\$ 5,760.00	\$ 12,168.00	\$ 6,408.00
22	Sidewalk, Concrete, 4-inch	SFT	1575		1,548.50	\$ 14.45	\$ 22,758.75	\$ 22,375.83	\$ (382.93)
23	Sidewalk, Concrete, 6-inch	SFT	1350		371.00	\$ 17.40	\$ 23,490.00	\$ 6,455.40	\$ (17,034.60)
24	Subbase	CYD	700		512.00	\$ 29.80	\$ 20,860.00	\$ 15,257.60	\$ (5,602.40)
25	Tree, (Ulmus 'New Horizon'), 3-inch	EA	2		0.00	\$ 3,160.00	\$ 6,320.00	\$ -	\$ (6,320.00)
26	Pavement Markings	LS	1		1.00	\$ 1,600.00	\$ 1,600.00	\$ 1,600.00	\$ -
27	Casting, Manhole, Adjust	EA	6		6.00	\$ 1,390.00	\$ 8,340.00	\$ 8,340.00	\$ -
28	Casting, Valve Box, Adjust	EA	2		0.00	\$ 1,286.00	\$ 2,572.00	\$ -	\$ (2,572.00)
30	Water Main Fitting, 8-inch, DI	EA	6		4.00	\$ 914.00	\$ 5,484.00	\$ 3,656.00	\$ (1,828.00)
33	Water Main, 8-inch, DI CL 52	LF	60		16.00	\$ 525.00	\$ 31,500.00	\$ 8,400.00	\$ (23,100.00)
37	Catch Basin, 4-foot diameter	EA	1		0.00	\$ 4,500.00	\$ 4,500.00	\$ -	\$ (4,500.00)
38	Storm Sewer, 12-inch, C-76, CL IV	LF	10		16.00	\$ 710.00	\$ 7,100.00	\$ 11,360.00	\$ 4,260.00
40	Settlement Monitoring	LS	1		1.00	\$ 31,000.00	\$ 31,000.00	\$ 31,000.00	\$ -
Alt-5	Non-Hazardous Potentially Contaminated Soil Handling and Disposal	CYD	150		0.00	\$ 155.00	\$ 23,250.00	\$ -	\$ (23,250.00)
Alt-6	Valve and Box, Gate, 12-inch	EA	2		2.00	\$ 7,027.00	\$ 14,054.00	\$ 14,054.00	\$ -
Alt-7	Water Main Fitting, 12-inch, DI	EA	2		32.00	\$ 2,557.00	\$ 5,114.00	\$ 81,824.00	\$ 76,710.00
Alt-8	Water Main Fitting, 12-inch, HDPE	EA	26		3.00	\$ 3,443.00	\$ 89,518.00	\$ 10,329.00	\$ (79,189.00)
Alt-9	Water Main Fitting HDPE to DI Transition, 12-inch	EA	2		4.00	\$ 7,948.00	\$ 15,896.00	\$ 31,792.00	\$ 15,896.00
Alt-10	Water Main, 12-inch, HDPE, DIPS, DR 11, Open Cut	LF	2040		1,317.00	\$ 338.00	\$ 689,520.00	\$ 445,146.00	\$ (244,374.00)
Alt-11	Water Main, 12-inch, HDPE, DIPS, DR 11, HDD	LF	3520		4,278.00	\$ 300.00	\$ 1,056,000.00	\$ 1,283,400.00	\$ 227,400.00
Alt-12	Combination Valve and Chamber, 12-inch Pipe	EA	3		2.00	\$ 62,000.00	\$ 186,000.00	\$ 124,000.00	\$ (62,000.00)

Item No.	Item Description	Unit	Bid Quantity	CO 01 Quantities Streets	Final Quantities SRF	Unit Price	Original Contract Amount	Final Amount SRF	Add/Deduct
*41	Well 2 Corp and Test Point	EA	0		1	\$ 2,816.48	\$ -	\$ 2,816.48	\$ 2,816.48
*42	211 Franklin Sewer Repair	LS	0		1	\$ 21,471.21	\$ -	\$ 21,471.21	\$ 21,471.21
*43	Franklin Street T&M For HDD Stabilization	LS	0		1	\$ 33,317.50	\$ -	\$ 33,317.50	\$ 33,317.50
*44	Franklin Street Undercuts	LS	0.00	1.00	0	\$ 14,507.07	\$ -	\$ -	\$ -
								Total:	\$ (103,572.79)
								Add CO 01	\$ 49,311.52
								Total All Changes	\$ (54,261.27)



The MacKenzie Companies

Grand Ledge Well 2 Raw Water Franklin St. T&M

Attn. Cory Stenzel
Senior Construction Manger
Fishbeck

Cory,

Enclosed is the summary of the work performed on Franklin St. as a result of the continual frack outs and unstable trench conditions. Pricing includes labor, equipment, & materials to excavate on 6/17, and backfill on 6/20 following install of the HDD pipe. This pricing excludes any removal of existing hard surface, aggregate placement, and concrete/HMA install as those quantities are to be carried at their unit contract rates.

Summary of 6/17

- Mobilize Equipment
- Remove asphalt, curb & gutter
 - Time deducted from overall, paid by unit prices
- Excavate to invert depth
- Place trench boxes and prep for Roemer to pull pipe
- Total - \$17,750.00

Summary of 6/20

- Sawcut asphalt at void north of trench
- Remove additional asphalt to new sawcut
 - Time deducted from overall, paid by unit prices
- Pull trench boxes
- Sand backfill
- Place aggregate, compact, and ready for Yankee Doodle Days
- Demob equipment & trench boxes
- Total - \$15,567.50

Please let me know if you have any questions or comments.

Thank You,

Phil Parker
Project Manager
E.T. MacKenzie Company

Date: 6/17/24

Labor & Equipment						
Description	Start	Stop	Minus HMA Removal	Hours	Rate	Total
Foreman - Mike Platte	7:00 AM	5:30 PM	1.00	9.00	\$ 160.00	\$ 1,440.00
Operator - Roger Platte Cat 340 Excavator	7:00 AM	5:30 PM	1.00	9.00	\$ 365.00	\$ 3,285.00
Operator - Ron Hosler Cat 950 Loader	7:00 AM	5:30 PM	1.00	9.00	\$ 270.00	\$ 2,430.00
Operator - James Morel Cat 299 Skid Steer	7:00 AM	5:30 PM	1.00	9.00	\$ 200.00	\$ 1,800.00
Pipe Layer - Tom Hildenbrand	7:00 AM	5:30 PM	1.00	9.00	\$ 120.00	\$ 1,080.00
60T Lowboy - Deliver Cat 340 Excavator & Trench Boxes				3.00	\$ 260.00	\$ 780.00
Lead Trucking				25.00	\$ 220.00	\$ 5,500.00
						\$ 16,315.00

Materials Pricing Includes Sales Tax & 15% Markup On Pipe/Fittings					
Description	Volume	Unit		Unit Rate	Total
Export Spoil - Dump Fee	140	CY		\$ 5.00	\$ 700.00
Class II Sand	70	TON		\$ 10.50	\$ 735.00
					\$ 1,435.00

TOTAL FOR 6/17/24 - \$17,750.00

Date: 6/20/24

Labor & Equipment						
Description	Start	Stop	Minus HMA Removal	Hours	Rate	Total
Foreman - Mike Platte	7:00 AM	5:30 PM	1.00	9.50	\$ 160.00	\$ 1,520.00
Opearator - Roger Platte Cat 315 Excavator	7:00 AM	5:30 PM	1.00	9.50	\$ 245.00	\$ 2,327.50
Operator - Ron Hosler - Cat 950 Loader	7:00 AM	5:30 PM	1.00	9.50	\$ 270.00	\$ 2,565.00
Pipe Layer - Tom Hildenbrand	7:00 AM	5:30 PM	1.00	9.50	\$ 120.00	\$ 1,140.00
Laborer - Kaleb Atwell	7:00 AM	5:30 PM	1.00	9.50	\$ 120.00	\$ 1,140.00
60T Lowboy - Demob Cat 340 & Trench Boxes				3.00	\$ 260.00	\$ 780.00
Lead Trucking				11.00	\$ 220.00	\$ 2,420.00
						\$ 11,892.50

Materials Pricing Includes Sales Tax & 15% Markup On Pipe/Fittings				
Description	Volume	Unit	Unit Rate	Total
Class II Sand	350.00	TON	\$ 10.50	\$ 3,675.00
				\$ 3,675.00

TOTAL FOR 6/20/24 - \$15,567.50



Mackenzie Companies

MACKENZIE companies

Project Daily Report

Utility	<input type="checkbox"/>	YES	Was a report	<input type="checkbox"/>	YES
Damage	<input type="checkbox"/>	NO	submitted?	<input type="checkbox"/>	NO

Project No.	12333	Project Name	G/L Raw Water	Sheet No.		Day / Date	Mon-6-17-2024	Weather / Temp	Sunny 93°
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Position	Employee Name	Start Time	Break	End Time	Labor Hours	Equip. Hours	Equip. No & Description	Phase Code	Hours	Phase Code	Hours	Phase Code	Hours
	Mike Platta	7:00	0	5:30	10.5		Flm						
	Roger Platta	7:00	0	5:30		10.5	340 #10227						
	Ben Hosler	7:00	0	5:30		10.5	950 #10922						
	Tom Hildanbrand	7:00	0	5:30	10.5		P/L						
	James Morrell	7:00	0	5:30		10.5	Skid Steer #10942						

Subcontractors	Visitors	Inspectors	Testing Companies
		Mark - Fishbeck	

~ TRUCKING ~						
Truck No.	Time In	Time Out	Off-Site	On-Site	Material	Qty.
2 - Leads			<input type="checkbox"/>	<input type="checkbox"/>	Handing	
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		

Soil Erosion Report: Were there any repairs performed? Yes No

Comments? Yes No

Have all soil erosion features on this project been inspected? Yes No

Have all necessary repairs been made? Yes No

Signature: _____

Signed by Certified Storm Water Operator - #

Extra Work Orders
No.



MacKenzie Companies

MACKENZIE companies

Project Daily Report

Utility	<input type="checkbox"/>	YES	Was a report	<input type="checkbox"/>	YES
Damage	<input type="checkbox"/>	NO	submitted?	<input type="checkbox"/>	NO

Project No.	12333	Project Name	G/L Raw/water	Sheet No.		Day / Date	Thurs 6-20-2024	Weather / Temp	sunny 92°
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Position	Employee Name	Start Time	Break	End Time	Labor Hours	Equip. Hours	Equip. No & Description	Phase Code	Hours	Phase Code	Hours	Phase Code	Hours
	Mike Platte	7:00	0	5:30	10.5		Flm						
	Roger Platte	7:00	0	5:30		10.5	315 #10207						
	Ron Hasler	7:00	0	5:30		10.5	950 #10922						
	Tom Hildbrand	7:00	0	5:30	10.5		PL						
	Kaleb Atwell	7:00	0	5:30	10.5		Blm						

Subcontractors	Roemer	Visitors		Inspectors	Mark / Fishbeck	Testing Companies	Ssi - Density
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~ TRUCKING ~						
Truck No.	Time In	Time Out	Off-Site	On-Site	Material	Qty.
30	Leads		<input type="checkbox"/>	<input type="checkbox"/>	Hauling	
			<input type="checkbox"/>	<input type="checkbox"/>	Sand	
			<input type="checkbox"/>	<input type="checkbox"/>	Gravel	

Soil Erosion Report: Were there any repairs performed? Yes No

Comments? Yes No

Have all soil erosion features on this project been inspected? Yes No

Have all necessary repairs been made? Yes No

Signature: _____

Signed by Certified Storm Water Operator - # _____

LOAD AND TIME TICKET

B 150073

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER Haul out

SECTION 1	M.P.S.C. TRUCK NO. <u>55</u>	JOB TRUCK NO. <u>11982</u>	DATE MO. <u>6</u> DAY <u>17</u> YR. <u>24</u>
	NAME OF SHIPPER <u>E.T.M.</u>		
	FROM (LOADING PLACE) <u>12333</u>		
	TO (UNLOADING PLACE) <u>9500</u>		
	GROSS	NET OR ESTIMATED WEIGHT	
TARE	<u>(60 Yd)</u>		

(FOR TON-MILE RATED HAULS)			
LOAD NO.	LOADED MILES	RATE	CHARGES
<u>3 Lds</u>		<u>Lead</u>	

(FOR HOURLY RATED HAULS)					
SECTION 3	TIME		HOURS	RATE	CHARGES
	START	<u>1:30</u>	<u>(9.5)</u>		
	FINISH	<u>4:00</u>			
	START				
FINISH					

(FOR BOTH TON-MILE AND HOURLY HAULS)	
DRIVER'S SIGNATURE <u>[Signature]</u>	AGENT FOR SHIPPER SIGNATURE

SEE CARRIER'S TARIFF FOR INSTRUCTIONS
LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY

LOAD AND TIME TICKET

B 29336

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER C 2

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO. <u>10035</u>	DATE MO. <u>6</u> DAY <u>17</u> YR. <u>24</u>
	NAME OF SHIPPER <u>E.T.M.</u>		
	FROM (LOADING PLACE) <u>9991</u>		
	TO (UNLOADING PLACE) <u>(12333)</u>		
	GROSS	<u>20 yds</u>	NET OR ESTIMATED WEIGHT
TARE		<u>(40 yds Total)</u>	

(FOR TON-MILE RATED HAULS)			
LOAD NO.	LOADED MILES	RATE	CHARGES
<u>11</u>		<u>2 Lead Loads</u>	

(FOR HOURLY RATED HAULS)					
SECTION 3	TIME		HOURS	RATE	CHARGES
	START	<u>3:30</u>	<u>(1)</u>		
	FINISH	<u>4:30</u>			
	START				
FINISH					

(FOR BOTH TON-MILE AND HOURLY HAULS)	
DRIVER'S SIGNATURE <u>G. Benson</u>	AGENT FOR SHIPPER SIGNATURE

SEE CARRIER'S TARIFF FOR INSTRUCTIONS
LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY

LOAD AND TIME TICKET

B 29335

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER Handway

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO.	DATE
		10035	6/17/24
	NAME OF SHIPPER		
	E.T.M.		
	FROM (LOADING PLACE)		
	(12333)		
TO (UNLOADING PLACE)			
9500			
GROSS	2046	NET OR ESTIMATED WEIGHT	
TARE			

(FOR TON-MILE RATED HAULS)			
SEC. 2	LOAD NO.	LOADED MILES	RATE
	1		Lead 2046

(FOR HOURLY RATED HAULS)				
SECTION 3	T I M E		HOURS	RATE
	START	9:15	0.25	
	FINISH	3:30		
	START			
FINISH				

(FOR BOTH TON-MILE AND HOURLY HAULS)	
SECTION 4	DRIVER'S SIGNATURE
	G. Benson
	AGENT FOR SHIPPER SIGNATURE

SEE CARRIER'S TARIFF FOR INSTRUCTIONS

LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY

LOAD AND TIME TICKET

B 28239

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER Handout - lead

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO.	DATE
		10028	6/17/24
	NAME OF SHIPPER		
	E.T.M.		
	FROM (LOADING PLACE)		
	FRANKLIN ST GL - PLATE		
TO (UNLOADING PLACE)			
CHAMBERLAIN			
GROSS		NET OR ESTIMATED WEIGHT	
TARE		2040	

(FOR TON-MILE RATED HAULS)			
SEC. 2	LOAD NO.	LOADED MILES	RATE
	111		L 6046

(FOR HOURLY RATED HAULS)				
SECTION 3	T I M E		HOURS	RATE
	START	6:30	9.25	
	FINISH			
	START			
FINISH	3:45			

(FOR BOTH TON-MILE AND HOURLY HAULS)	
SECTION 4	DRIVER'S SIGNATURE
	[Signature]
	AGENT FOR SHIPPER SIGNATURE

SEE CARRIER'S TARIFF FOR INSTRUCTIONS

LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY

LOAD AND TIME TICKET

B 093655

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

Lead

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER *Sand*

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO.	DATE
	<i>10049</i>		<i>6/20/29</i>
	NAME OF SHIPPER		
	<i>Bruce Gilmartin</i>		
	FROM (LOADING PLACE)		
	<i>GIL YARD</i>		
TO (UNLOADING PLACE)			
<i>Franklin st Mike P</i>			
GROSS		NET OR ESTIMATED WEIGHT	
TARE		<i>(1004)</i>	

(FOR TON-MILE RATED HAULS)			
LOAD NO.	LOADED MILES	RATE	CHARGES
<i>3</i>		<i>(L)</i>	

(FOR HOURLY RATED HAULS)					
	T I M E		HOURS	RATE	CHARGES
	START	<i>11:30</i>	<i>5</i>	<i>(7.0)</i>	<i>(2.5)</i>
	FINISH	<i>4:30</i>			
	START				
FINISH					

(FOR BOTH TON-MILE AND HOURLY HAULS)	
DRIVER'S SIGNATURE	<i>Bruce Gilmartin</i>
AGENT FOR SHIPPER SIGNATURE	

SEE CARRIER'S TARIFF FOR INSTRUCTIONS
LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

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LOAD AND TIME TICKET

B 093653

NAME OF CARRIER

E.T. MACKENZIE COMPANY
4248 WEST SAGINAW HIGHWAY
GRAND LEDGE, MI 48837

Lead

COMMODITY (as further described in Carrier's Rate Tariff)

- BIT. COLD PATCH MATL.
- BLACK TOP, ETC.
- BORROW MATERIAL
- CINDERS
- CONCRETE AGGREGATES
- CLAY
- CONCRETE BATCH
- DIRT
- EARTH
- FILL MATL.
- GRAVEL
- LIMESTONE
- MARL
- PEBBLES
- ROAD GRAVEL
- SAND
- SLAG
- STONE
- STONE CHIPS

OTHER *Sand*

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO.	DATE
	<i>10049</i>		<i>6/20/29</i>
	NAME OF SHIPPER		
	<i>Bruce Gilmartin</i>		
	FROM (LOADING PLACE)		
	<i>GIL YARD</i>		
TO (UNLOADING PLACE)			
<i>Franklin st Mike P</i>			
GROSS		NET OR ESTIMATED WEIGHT	
TARE		<i>(1004)</i>	

(FOR TON-MILE RATED HAULS)			
LOAD NO.	LOADED MILES	RATE	CHARGES
<i>3</i>		<i>(L)</i>	

(FOR HOURLY RATED HAULS)					
	T I M E		HOURS	RATE	CHARGES
	START	<i>6:00</i>	<i>4</i>	<i>(4.0)</i>	
	FINISH	<i>10:00</i>			
	START				
FINISH					

(FOR BOTH TON-MILE AND HOURLY HAULS)	
DRIVER'S SIGNATURE	<i>Bruce Gilmartin</i>
AGENT FOR SHIPPER SIGNATURE	

SEE CARRIER'S TARIFF FOR INSTRUCTIONS
LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY

LOAD AND TIME TICKET

B 150066

NAME OF CARRIER

E.T. MACKENZIE COMPANY
 4248 WEST SAGINAW HIGHWAY
 GRAND LEDGE, MI 48837

COMMODITY (as further described in Carrier's Rate Tariff)

- | | | | |
|------------------------------------------------|-----------------------------------------|--------------------------------------|------------------------------------------|
| <input type="checkbox"/> BIT. COLD PATCH MATL. | <input type="checkbox"/> CLAY | <input type="checkbox"/> GRAVEL | <input checked="" type="checkbox"/> SAND |
| <input type="checkbox"/> BLACK TOP, ETC. | <input type="checkbox"/> CONCRETE BATCH | <input type="checkbox"/> LIMESTONE | <input type="checkbox"/> SLAG |
| <input type="checkbox"/> BORROW MATERIAL | <input type="checkbox"/> DIRT | <input type="checkbox"/> MARL | <input type="checkbox"/> STONE |
| <input type="checkbox"/> CINDERS | <input type="checkbox"/> EARTH | <input type="checkbox"/> PEBBLES | <input type="checkbox"/> STONE CHIPS |
| <input type="checkbox"/> CONCRETE AGGREGATES | <input type="checkbox"/> FILL MATL. | <input type="checkbox"/> ROAD GRAVEL | |

OTHER

SECTION 1	M.P.S.C. TRUCK NO.	JOB TRUCK NO.	DATE		
	55	11988	6	170/24	
	NAME OF SHIPPER				
	E.T.M.				
	FROM (LOADING PLACE)				
ST. YARD					
TO (UNLOADING PLACE)					
12338					
GROSS		NET OR ESTIMATED WEIGHT			
TARE		80 yd			
SECTION 2	(FOR TON-MILE RATED HAULS)				
	LOAD NO.	LOADED MILES	RATE	CHARGES	
	4205		Lead		
SECTION 3	(FOR HOURLY RATED HAULS)				
	T I M E		HOURS	RATE	CHARGES
	START	9:00	1:00	4.5	
	FINISH	10:00	4:30		
	START				
FINISH	1	3.5			
SECTION 4	(FOR BOTH TON-MILE AND HOURLY HAULS)				
	DRIVER'S SIGNATURE				
AGENT FOR SHIPPER SIGNATURE					

SEE CARRIER'S TARIFF FOR INSTRUCTIONS

LOGISTICS CONTROL CONSULTANTS • (517) 347-0555

2 - SHIPPER'S COPY



Equal Opportunity Employer

E.T. MacKenzie Company - Grand Ledge

One of The MacKenzie Companies

4248 West Saginaw Highway

Grand Ledge, MI 48837

Phone: (517) 627.8408 Fax: (517) 627.4470

www.mackenzieco.com



To:	City Of Grand Ledge	Contact:	
Address:	310 Greenwood St Grand Ledge, MI	Phone:	517-627-2149
Project Name:	211 Franklin Sewer Repair	Bid Number:	
Project Location:		Bid Date:	

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
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1.0 Replace Lead

1	Sawcut HMA, Curb & Gutter	48.00	LF	\$5.66	\$271.68
2	Remove Pavement, Full Depth (Contract Unit Rate)	40.00	SY	\$9.30	\$372.00
3	Remove Curb & Gutter (Contract Unit Rate)	15.00	LF	\$10.60	\$159.00
4	Remove Existing 4" Clay Sewer Lead, Replace With 6" SDR 26, Sand Backfill	32.00	LF	\$422.58	\$13,522.56
5	Aggregate Base, 6 Inch (Contract Unit Rate)	40.00	SY	\$18.50	\$740.00
6	Curb & Gutter, Concrete (Contract Unit Rate)	15.00	LF	\$63.00	\$945.00
7	Pavement, HMA, 3C (Contract Unit Rate)	4.40	TON	\$183.15	\$805.86
8	Pavement, HMA, 4C (Contract Unit Rate)	3.30	TON	\$228.95	\$755.54

Total Price for above 1.0 Replace Lead Items: \$17,571.64

2.0 Cleanout

9	*Recommended Alternate* Install 6" Cleanout At Edge Of ROW	1.00	EACH	\$1,287.23	\$1,287.23
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Total Price for above 2.0 Cleanout Items: \$1,287.23

\$17,517.64
+ 3,375.00
+ 578.57
\$21,471.21

<p>ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED: E. T. MacKenzie Company</p> <p>Authorized Signature: _____</p> <p>Estimator: _____</p>
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M&K Jetting & Televising, Inc.
 320 Michigan Ave
 Jackson MI 49202



Invoice

Date	Invoice #
6/5/2024	241353

Bill To
E.T. MacKenzie Co. 4248 W. Saginaw Hwy. Grand Ledge, MI 48837

Ship To
River and Franklin Grand Ledge Phil 517 202 0706

P.O. Number	Terms	Service Date	Due Date
	Net 30	6/3/2024	7/5/2024

Quantity	Item Code	Description	Price Each	Amount
	400	Cleaned and Televised 12" sanitary 288.4' and 20' of lateral	3,375.00	3,375.00

JUN 10 2024 JOB 12333 CC EXT
 JUN 11 2024 G/L# FORE
 DUE RET/<DIS> EST
 AMT 3375.00 APPROVED

Total			\$3,375.00
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Phone #	Fax #	E-mail
517-783-1819	517-783-1874	mark@mkjetting.com

M & K Jetting & Televising, Inc.

3201 W. Michigan Ave.
 Jackson, Michigan 49202
 Business Phone (517) 783-1819
 Fax (517) 783-1874

Date Mon 6-3-24 Standard Time _____
 Time Start 6:00 AM Overtime Time _____
 Time Finished 1:30 pm
 Travel Time Included Yes No



DAILY WORKSHEET		SITE	DISPOSAL
Company	<u>E.T. McKenzie</u>	<u>River + Franklin</u>	MANIFEST
Street			QUANTITY
City, State, Zip			PO #
Contact Name	<u>Phil 517-202-0706</u>		CONTRACT ID NO.
Telephone			<u>EMERGENCY CALL IN</u>
Job Description		COMMENTS	
		<u>Tr 388.40' 12 Sanitary</u>	
		<u>Tr 20.00' lateral</u>	
		<u>clean woods</u>	
EQUIPMENT	HOURS	MATERIALS USED ON JOB	HOURS
<u>VAN 170</u>	<u>7 1/2</u>		
<u>VAC #100</u>	<u>7 1/2</u>		
EMPLOYEE NAME	HOURS	EMPLOYEE NAME	HOURS
<u>Randy H II</u>	<u>7 1/2</u>		
<u>Jeff Meyer</u>	<u>7 1/2</u>		
<u>Ryan</u>	<u>7 1/2</u>		
M & K Tech. responsible for job (i.e. paperwork, site, ect.)			
Submitted by M & K Representative:			
Approved By:			
			TOTAL \$ <u>3375</u>

FERGUSON®

WATERWORKS

1931 SNOW ROAD
LANSING, MI 48917-9505

Please contact with Questions: 517-322-0300

E T MACKENZIE COMPANY
4248 W SAGINAW HWY
GRAND LEDGE IRON REMOVAL
GRAND LEDGE, MI 48837

INVOICE NUMBER	TOTAL DUE	CUSTOMER	PAGE
0201913	\$578.57	8133	1 of 1

PLEASE REFER TO INVOICE NUMBER WHEN
MAKING PAYMENT AND REMIT TO:

FERGUSON WATERWORKS #3386
PO BOX 802817
CHICAGO, IL 60680-2817

MASTER ACCOUNT NUMBER: 314428

SHIP TO:

COUNTER PICK UP
1931 SNOW ROAD
LANSING, MI 48917-9505

SHIP WHSE.	SELL WHSE.	TAX CODE	CUSTOMER ORDER NUMBER	SALESMAN	JOB NAME	INVOICE DATE	BATCH
3386	3386	MIONLY	12333	JMM	GRAND LEDGE IRON REMOVAL	06/04/24	IO 16531

ORDERED	SHIPPED	ITEM NUMBER	DESCRIPTION	UNIT PRICE	UM	AMOUNT
2	2	F10021212	12 CLAY X 12 CI PVC COUP	44.480	EA	88.96
1	1	MUL067252	12X6 PVC HW SWR GXGXG WYE	456.860	EA	456.86
INVOICE SUB-TOTAL						545.82
TAX						32.75
Michigan State Only						

LEAD LAW WARNING: IT IS ILLEGAL TO INSTALL PRODUCTS THAT ARE NOT "LEAD FREE" IN ACCORDANCE WITH US FEDERAL OR OTHER APPLICABLE LAW IN POTABLE WATER SYSTEMS ANTICIPATED FOR HUMAN CONSUMPTION. PRODUCTS WITH *NP IN THE DESCRIPTION ARE NOT LEAD FREE AND CAN ONLY BE INSTALLED IN NON-POTABLE APPLICATIONS. BUYER IS SOLELY RESPONSIBLE FOR PRODUCT SELECTION.

JUN 05 2024	JOB 12333	CO	EXT
JUN 07 2024	G/LP		FORE
DUE	RET/<DIS>		EST
AMT 578.57			APPROVED

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TERMS: NET 10TH PROX	ORIGINAL INVOICE	TOTAL DUE	\$578.57
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All past due amounts are subject to a service charge of 1.5% per month, or the maximum allowed by law, if lower. If Buyer fails to pay within terms, then in addition to other remedies, Buyer agrees to pay Seller all costs of collection, including reasonable attorney fees. Complete terms and conditions are available upon request or at <https://www.ferguson.com/content/website-info/terms-of-sale>, incorporated by reference. Seller may convert checks to ACH.

