City Engineer's Estimates

1)-15-87 CITY ENGINEER

For WU-22-25 2022 Televising Miscellaneous Sewers II

December 15, 2022

1&FINAL

\$49,915.87 September 19, 2022 November 18, 2022 NORTHERN PIPE, INC COMPLETION DATE CO#1 (\$4,072.37)SEWER CLEANING AND TELEVISING VARIOUS LOCATIONS FROM - TO \$45,843.50 TOTAL NO. 6 NO. 2 NO. 3 NO. 4 NO. 5 NO. 1 2-15-22 Date filed with Secretary **COST WORK** DIFFERENCE DIFFERENCE COMPLETED DESCRIPTION **PREVIOUSLY** COST WORK **COMPLETED TO PREVIOUSLY** COLUMNS 2&4 COMPLETED DATE COLUMNS 1&3 TO DATE COMPLETED Date approved by Board AMOUNT RECOMMENDED \$45,843.50 SEE COMPUTER PRINTOUT BOARD SIGNATURES FOR DETAILS INVOICE #: 2740 INVOICE DATE: 11/30/2022 Date Paid Check No. Voucher No. \$45,843.50 6300-71100-523210 \$27,045.96 \$45,843.50 TOTALS \$45,843.50 \$18,797.54 \$45,843.50 1100-32320-523210 PAYMENTS \$45.843.50 TOTAL \$45,843.50 AMOUNT DUE, FINAL PAYMENT Council Voucher

Contractor: Northern Pipe, Inc.

FOR 2022 TELEVISING MISCELLANEOUS SEWERS 2

CITY OF MANITOWOC

CONTRACT NO. WU-22-25

PAY ESTIMATE NO.: 1-Final DATE: December 14, 2022

CONTRACT DATE: September 19, 2022

CONTRACT AMOUNT:

\$49,915.87 (\$4,072.37) COMPLETION DATE: November 18, 2022

Change Order #1-Final:

\$45,843.50

						,,						
NO. ITEM DESCRIPTION UNIT QUANTITY PRICE COMPLETED COMPLETED TO DATE TO DATE DIFFERENCE D ANITARY SEWERS - CLEANING 1. Closming 30" Sower Pipe			COST WORK	% OF WORK	QUANTITY	COST WORK	QUANTITY					
NO. ITEM DESCRIPTION UNIT QUANTITY PRICE COMPLETED COMPLETED TO DATE TO DATE DIFFERENCE	COST WORK	QUANTITY	COMPLETED	COMPLETED	COMPLETED	PREVIOUS	PREVIOUS	UNIT	BID			ITEM
ANITARY SEWERS - CLEANING 1. Cloaming 30° Sowor Pipo 1.F 723 \$1.74 0 \$0.00 721.00 1004 \$1.254.54 721.00 2. Cloaming 27° Sowor Pipo 1.F 382 \$1.59 0 \$0.00 381.00 1000 \$605.79 381.00 3. Cloaming 28° Sower Pipo 1.F 951 \$1.24 0 \$0.00 940.00 994 \$1.105 1000 \$605.79 \$1.00 4. Cloaming 21° Sowor Pipo 1.F 1440 \$1.15 0 \$0.00 1.435 1000 \$1.650.25 1,435.00 5. Cloaming 15° Sowor Pipo 1.F 1267 \$0.09 0 \$0.00 1.435 1000 \$1.650.25 1,435.00 6. Cloaming 15° Sowor Pipo 1.F 3037 \$0.09 0 \$0.00 1.00 1.00 1.00 1.00 1.00 1.00 1	DIFFERENC	_								UNIT	ITEM DESCRIPTION	NO.
1. Cloaning 30" Sower Pipo IF 723 \$1.74 0 \$0.00 721.00 1008 \$1,254.54 721.00 2. Cloaning 27" Sower Pipo IF 392 \$1.59 0 \$0.00 381.00 1009 \$605.79 381.00 3. Cloaning 27" Sower Pipo IF 951 \$1.24 0 \$0.00 940.00 991 \$1,165.60 940.00 4. Cloaning 21" Sower Pipo IF 1440 \$1.15 0 \$0.00 940.00 193 1008 \$1,550.25 1,435.00 5. Cloaning 12" Sower Pipo IF 1440 \$1.15 0 \$0.00 1,435 1008 \$1.00 \$1.650.25 1,435.00 6. Cloaning 12" Sower Pipo IF 1267 \$0.09 0 \$0.00 1,259 991 \$1,119.62 1,259.00 7. Cloaning 10" Sower Pipo IF 4361 \$0.08 0 \$0.00 3,011.0 999 \$2,679.79 \$3,011.00 7. Cloaning 10" Sower Pipo IF 4361 \$0.08 0 \$0.00 3,000 3,011.0 999 \$2,679.79 \$3,011.00 7. Cloaning 10" Sower Pipo IF 17101 \$0.79 0 \$0.00 3,000 3,000 \$0.00 \$3,000 \$0.00 \$3,000 \$0.00 \$0					••	-			***************************************	******		
2. Closming 27" Saver Pipo	L.										Y SEWERS - CLEANING	ANITA
3. Cleaning 24" Sewer Pipo LF 951 31.24 0 30.00 940.00 998 31,165.60 940.00 4. Cleaning 21" Sewer Pipo LF 1440 51.15 0 30.00 1.435 1008 31,650.25 1,435.00 5. Cleaning 15" Sewer Pipo LF 1267 80.89 0 80.00 1,259 998 13,119.62 1,255.00 6. Cleaning 15" Sewer Pipo LF 3037 90.89 0 90.00 3,011.0 998 32,679.79 3,011.00 7. Cleaning 10" Sewer Pipo LF 4361 80.64 0 90.00 3,011.0 998 32,679.79 3,011.00 8. Cleaning 10" Sewer Pipo LF 4361 80.64 0 90.00 3,000 3,011.0 998 32,679.79 3,011.00 8. Cleaning 10" Sewer Pipo LF 17101 90.79 0 30.00 16,562 978 \$13,083.99 16,562.00 9. Reavy Cleaning TF 2000 \$1.25 0 \$0.00 1,771 898 \$2,213.75 1,771.00 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 1,771 898 \$2,213.75 1,771.00 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 0 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 \$0.00 \$0.00 \$27,045.96 9. Reavy Cleaning LF 2000 \$0.50 0 \$0.00 \$	\$1,254.	721.00	\$1,254.54	100%	721.00	\$0.00	0	\$1.74	723	LF	Cloaning 30" Sowor Pipo	1.
4. Cleaning 21" Sower Pipe LF 1440 \$1.15 0 \$0.00 1,435 1008 \$1,650.25 1,435.00 5. Cleaning 15" Sower Pipe LF 1267 \$0.09 0 \$0.00 1,256 994 \$1,119.62 1,250.00 6. Cleaning 12" Sower Pipe LF 3037 30.09 0 \$0.00 3,011.0 994 \$2,679.79 3,011.00 7. Cleaning 10" Sower Pipe LF 4361 \$0.04 0 \$0.00 3,000 3,896 894 \$3,272.64 3,896.00 8. Cleaning 8" Sower Pipe LF 17101 \$0.79 0 \$0.00 16,562 977 \$13,083.98 16,562.00 9. Reavy Cleaning LF 2000 \$1.25 0 \$0.00 1,771 894 \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 1,771 894 \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 0 0 0 \$27,045.96 WHITART SEWERS - TELEVISING HI Tolevising 30" Sower Pipe LF 382 \$0.02 0 \$0.00 721 1004 \$591.22 721.00 12. Tolevising 27" Sower Pipe LF 382 \$0.02 0 \$0.00 381 1004 \$312.42 381.00 13. Tolevising 27" Sower Pipe LF 951 \$0.74 0 \$0.00 940 994 \$695.60 940.00 15. Tolevising 15" Sower Pipe LF 1,440 \$0.74 0 \$0.70 \$0.00 1,258 994 \$880.60 1,258.00 15. Tolevising 15" Sower Pipe LF 1,440 \$0.74 0 \$0.70 \$0.00 1,258 994 \$880.60 1,259.00 15. Tolevising 15" Sower Pipe LF 1,267 \$0.70 0 \$0.00 1,258 994 \$890.60 1,259.00 16. Tolevising 15" Sower Pipe LF 3,037 \$0.70 0 \$0.00 2,937 974 \$2,055.90 2,937.00 17. Cleavising 15" Sower Pipe LF 3,037 \$0.70 0 \$0.00 14,961 874 \$2,055.90 2,937.00 18. Tolevising 18" Sower Pipe LF 4,461 \$0.70 0 \$0.00 14,961 874 \$2,055.90 2,937.00 18. Tolevising 18" Sower Pipe LF 4,461 \$0.70 0 \$0.00 14,961 874 \$2,055.90 2,937.00 18. Tolevising 18" Sower Pipe LF 4,461 \$0.70 0 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.00 \$0.00 14,961 874 \$10,472.70 14,961.0	\$605.	381.00	\$605.79	100%	381.00	\$0.00	0	\$1.59	382	LF	Cloaning 27" Sower Pipe	2.
5. Cleaning 15" Sower Pipo	\$1,165.	940.00	\$1,165.60	991	940.00	\$0.00	0	\$1.24	951		Cleaning 24" Sewer Pipe	3.
6. Cleaning 12" Sewer Pipo LF 3037 30.89 0 30.00 3,011.0 998 \$2,679.79 3,011.00 7. Cleaning 10" Sewer Pipo LF 4361 30.84 0 30.00 3,896 898 33,272.64 3,896.00 8. Cleaning 8" Sewer Pipo LF 17101 30.79 0 50.00 16,562 974 \$13,083.98 16,562.00 9. Reavy Cleaning LF 2000 \$1.25 0 50.00 1,771 898 \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 0,771 898 \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 0 771 100 \$27,045.96 NITARY SEWERS - TELEVISING 11. Tolevising 30" Sewer Pipo LF 382 \$0.82 0 \$0.00 721 1008 \$591.22 721.00 12. Tolevising 22" Sewer Pipo LF 382 \$0.82 0 \$0.00 381 1008 \$312.42 381.00 13. Tolevising 22" Sewer Pipo LF 951 \$0.74 0 \$0.00 940 998 \$695.60 940.00 14. Tolevising 21" Sewer Pipo LF 1,440 \$0.74 0 \$0.00 1,435 1008 \$1,061.90 1,435.00 15. Tolevising 15" Sewer Pipo LF 1,440 \$0.74 0 \$0.00 1,435 1008 \$1,061.90 1,435.00 15. Tolevising 15" Sewer Pipo LF 1,267 \$0.70 0 \$0.00 1,258 998 \$80.60 1,259.00 17. televising 10" Sewer Pipo LF 4,361 \$0.70 0 \$0.00 2,937 978 \$2,055.90 2,937.00 18. Tolevising 8" Sewer Pipo LF 4,361 \$0.70 0 \$0.00 14,961 878 \$10,472.70 14,961.00 Subtotal Items 11-18	\$1,650.	1,435.00	\$1,650.25	100%	1,435	\$0.00	0	\$1.15	1440	LF	Cleaning 21" Sewer Pipe	4.
7. Cleaning 10" Sawer Pipo LF 4361 \$0.84 0 \$0.00 3.896 89% \$33,272.64 3.896.00 8 Cleaning 8" Sower Pipo LF 17101 \$0.79 0 \$0.00 16,562 974 \$13,083.98 16,562.00 9. Heavy Cleaning LF 2000 \$1.25 0 \$0.00 1,771 89% \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 0 \$0.00 0 \$0.00	\$1,119.	1,258.00	\$1,119.62	99%	1,258	\$0.00	0	\$0.89	1267	LF	Cleaning 15" Sower Pipo	5.
8. Cleaning 8" Sawer Pipo LF 17101 \$0.79 0 \$0.00 16,562 \$978 \$13,083.98 16,562.00 9. Heavy Cleaning LF 2000 \$1.25 0 \$90.00 1,771 898 \$2,213.75 1,771.00 10. Root Cutting LF 2000 \$0.50 0 \$0.00 0 0 \$30.00 0.00 Subtotal Items 1-10 \$0.00 \$27,045.96 NNITARY SEWERS - TELEVISING 11. Tolevising 30" Sawer Pipo LF 723 \$0.82 0 \$0.00 721 1008 \$591.22 721.00 12. Tolevising 27" Sower Pipo LF 392 \$0.82 0 \$0.00 391 1008 \$312.42 391.00 13. Tolevising 24" Sawer Pipo LF 951 \$0.74 0 \$0.00 940 998 \$695.60 940.00 14. Tolevising 21" Sawer Pipo LF 1,440 \$0.74 0 \$0.00 1,435 1008 \$1,061.90 1,435.00 15. Televising 15" Sawer Pipo LF 1,267 \$0.70 0 \$0.00 1,258 998 \$880.60 1,259.00 16. Televising 15" Sawer Pipo LF 3,037 \$0.70 0 \$0.00 2,237 \$978 \$2,055.90 2,937.00 17. televising 10" Sawer Pipo LF 4,361 \$0.70 0 \$0.00 3,896 698 \$2,727.20 3,896.00 18. Televising 10" Sawer Pipo LF 17,101 \$0.70 0 \$0.00 14,961 674 \$10.472.70 14,961.00 Subtotal Items 11-18	\$2,679.	3,011.00	\$2,679.79	998	3,011.0	\$0.00	0	\$0.89	3037	LF		6,
9. Reavy Cleaning	\$3,272.	3,896.00	\$3,272.64	891	3,896	\$0.00	0	\$0.84	4361	LF	Cleaning 10" Sewer Pipe	7.
10. Root Cutting	\$13,083.	16,562.00	\$13,083.98	971	16,562	\$0.00	0	\$0.79	17101	LF	Cleaning 8" Sewer Pipe	8.
Subtotal Items 1-10 \$0.00 \$27,045.96 NITARY SEWERS - TELEVISING 11. Tolevising 30" Sawar Pipo	\$2,213.	1,771.00	\$2,213.75	89%	1,771	\$0.00	0	\$1.25	2000	LF	Reavy Cleaning	9.
NITARY SEWERS - TELEVISING 11. Tolevising 30" Sower Pipe	\$0.	0.00	\$0.00	0%	0	\$0.00	0	\$0.50	2000	LF	Root Cutting	10.
12. Tolovising 27" Sowor Pipo LF 382 \$0.82 0 \$0.00 381 100% \$312.42 381.00 13. Tolovising 24" Sowor Pipo LF 951 \$0.74 0 \$0.00 940 99% \$695.60 940.00 14. Tolovising 21" Sowor Pipo LF 1,440 \$0.74 0 \$0.00 1,435 100% \$1,061.90 1,435.00 15. Tolovising 15" Sowor Pipo LF 1,267 \$0.70 0 \$0.00 1,258 99% \$880.60 1,258.00 16. Tolovising 12" Sowor Pipo LF 3,037 \$0.70 0 \$0.00 2,937 97% \$2,055.90 2,937.00 17. tolovising 10" Sowor Pipo LF 4,361 \$0.70 0 \$0.00 3,896 89% \$2,727.20 3,896.00 18. Tolovising 8" Sowor Pipo LF 17,101 \$0.70 0 \$0.00 14,961 87% \$10,472.70 14,961.00 Subtotal Items 11-18	\$27,045.					40.00				_		ni taf
13. Televising 24" Sewer Pipo	\$591.	721.00	\$591.22	100%	721	\$0.00	0	\$0.82	723	LF	Tolevising 30" Sower Pipe	11.
14. Tolovising 21" Sawar Pipo	\$312.	381.00	\$312.42	100%	381	\$0.00	0	\$0.82	382	LF	Tolovising 27" Sowor Pipe	12.
15. Televising 15" Sewer Pipo	\$695.	940.00	\$695.60	998	940	\$0.00	0	\$0.74	951	LF	Televising 24" Sewer Pipe	13.
16. Televising 12" Sawer Pipo LF 3,037 \$0.70 0 \$0.00 2,937 97% \$2,055.90 2,937.00 17. televising 10" Sawer Pipo LF 4,361 \$0.70 0 \$0.00 3,896 89% \$2,727.20 3,896.00 18. Televising 8" Sawer Pipo LF 17,101 \$0.70 0 \$0.00 14,961 87% \$10,472.70 14,961.00 Subtotal Items 11-18 \$0.00 \$18,797.54	\$1,061.	1,435.00	\$1,061.90	100%	1,435	\$0.00	0	\$0.74	1,440	LF	Televising 21" Sewer Pipe	14.
17. talevising 10" Sawer Pipo LF 4,361 \$0.70 0 \$0.00 3,896 898 \$2,727.20 3,896.00 18. Talevising 8" Sawer Pipo LF 17,101 \$0.70 0 \$0.00 14,961 878 \$10,472.70 14,961.00 Subtotal Items 11-18 \$0.00 \$18,797.54	\$880.	1,258.00	\$880.60	991	1,258	\$0.00	0	\$0.70	1,267	LF	Televising 15" Sewer Pipe	15.
18. Talevising 8" Sawar Pipe LF 17,101 \$0.70 0 \$0.00 14,961 878 \$10,472.70 14,961.00 Subtotal Items 11-18 \$0.00 \$18,797.54	\$2,055.	2,937.00	\$2,055.90	971	2,937	\$0.00	0	\$0.70	3,037	LF	Televising 12" Sewer Pipe	16.
Subtotal Items 11-18 \$0.00 \$18,797.54	\$2,727.	3,896.00	\$2,727.20	89%	3,896	\$0.00	0	\$0.70	4,361	LF	talevising 10" Sewer Pipe	17.
	\$10,472.	14,961.00	\$10,472.70	871	14,961	\$0.00	0	\$0.70	17,101	LF	Talevising 8" Sower Pipe	18.
TOTAL FOR CONTRACT WU-22-25 \$0.00 \$45,843.50	\$18,797.		\$18,797.54			\$0.00					Subtotal Items 11-18	
	\$45,843		\$45,843.50			\$0.00					TOTAL FOR CONTRACT WU-22-25	
TOTAL PAYMENT \$0.00 100.0% \$45,843.50 100.0%	\$45,843	100.0%	\$45,843.50		100.0%	\$0.00					TOTAL PAYMENT	
DTE: ASTERISK (*) DENOTES FINAL QUANTITY OR MEASUREMENT. Prepared By: S.A.H. 6 J.H.E.			AH L J M F	Propagad Sur S					MT	EACHDEME	STERISK /** DENOTES FINAL OHANTITY OF M	TF: A

O.K. to Pay S.J.M. 12/9/22

FINAL PAYMENT LIEN WAIVER

KNOW ALL MEN BY THESE PRESENTS that
WHEREAS, the undersigned Northern Pice, Inc.
as General Contractor, entered into a Contract with the City of Manitowoc for the complete construction of
2022 Televising 11 Miscellancous Seners
WHEREAS, the undersigned has completed 100% of construction under the terms of the construction
agreement,
NOW THEREFORE in consideration of final payment by the City of Manitowoc to the undersigned
Morthun Pine, Inc the undersigned hereby waives and releases any and all
liens, claims or rights to file any lien or liens to the extent of the payment above referred to against the City of
Manitowoc, and
The undersigned further states that all wages, materials, social security taxes, withholding taxes, sales
and use taxes, permits, sub-contractors and materialmen have been fully paid and discharged for all work
performed; workmen's compensation and other insurance premiums and all taxes have been fully paid and
discharged.
The undersigned further agrees to save harmless the City of Manitowoc from any matter or thing arising
from the filing of claims or liens by any workman, sub-contractor or materialmen in connection with the work
performed.
IN WITNESS WHEREOF, the General Contractor by its' authorized representative has caused this
waiver to be signed.
This 30th day of November, 2022.
Witness: Wither My Contractor Contractor

Form #530



2094 County Road QQ Green Bay, WI 54311 (920) 468-7074 timpotts@northernpipegroup.com www.northernpipeinc.com

Invoice

Date	Invoice #
11/30/2022	2740

Bill To

City of Manitowoc Engineering Dept. 900 Quay St. Manitowoc, WI 54220

Please pay from this invoice. No statement will be sent.

	i	P.O. No.	Terms		Vork Order
			Net 30		1767
IRS/FTG	Description	-	Rate	<u> </u>	Amount
	City of Manitowoc #WU-22-25 TELEVISING MISCELLANEOUS SEWERS II			_	ranogn
721	Cleaning 30" Sewer Pipe			1.74	1,254.5
381	Cleaning 27" Sewer Pipe			1.59	605.7
940	Cleaning 24" Sewer Pipe			1.24	1,165.6
1,435	Cleaning 21" Sewer Pipe			1.15	1,650.2
1,258	Cleaning 15" Sewer Pipe			0.89	1,119.6
3,011	Cleaning 12" Sewer Pipe			0.89	2,679.7
3,896	Cleaning 10" Sewer Pipe			0.84	3,272.6
16,562	Cleaning 8" Sewer Pipe			0.79	13,083.9
1,771	Heavy Cleaning			1.25	2,213.
	Televising 30" Sewer Pipe			0.82	591.
	Televising 27" Sewer Pipe			0.82	312. 695
	Televising 24" Sewer Pipe			0.74	1,061
	5 Televising 21" Sewer Pipe			0.74	1,002
-,			Total		
- Janes for	your business.		Iota		



2094 County Road QQ Green Bay, WI 54311 (920) 468-7074 timpotts@northernpipegroup.com www.northernpipeinc.com

Invoice

Date	Invoice #
11/30/2022	2740

City of Manitowoc
Bill To Engineering Dept.
900 Quay St.
Manitowoc, WI 54220

P.O. No.	Terms	Work Order
	Net 30	1767

HRS/FTG	Description	Rate	Amount
1,258	Televising 15" Sewer Pipe	0.	70 880.60
2,937	Televising 12" Sewer Pipe	0.	.70 2,055.90
3,896	Televising 10" Sewer Pipe	0.	70 2,727.20
14,961	Televising 8" Sewer Pipe	0.	70 10,472.70

Thank you for your business.		· · · · · · · · · · · · · · · · · · ·
	Total	\$45,843.50
Please pay from this invoice. No statement will be sent.		