



AGENDA
REGULAR MEETING
7:30 P.M. – January 10, 2023
113 Timber Trail, Island Lake, IL

- 1. CALL TO ORDER & ROLL CALL**
- 2. PLEDGE OF ALLEGIANCE**
- 3. PUBLIC COMMENTS**
- 4. PRESENTATION & APPROVAL OF MINUTES**
 - a. Regular Meeting Minutes – December 13, 2022
 - b. Executive Session Minutes – December 13, 2022
- 5. TREASURER'S REPORT**
 - a. Quarterly Investment Report
- 6. MANAGER'S REPORT**
 - a. Operations Report
 - b. Engineering Report
 - c. Delinquent Accounts Report
- 7. TRUSTEE REPORTS**
- 8. LEGAL BUSINESS**
- 9. OLD BUSINESS**
- 10. NEW BUSINESS**
 - a. Approval of Ordinance 23-01 to Abate GO Bond Taxes for 2022
 - b. Approval of Resolution 23-01 Authorizing the Request for CDBG Funding in the Amount of \$297,000 for Holiday Hills
 - c. Approval of Resolution 23-02 Authorizing Participation in the NIMEC Electrical Collaborative
 - d. Approve Payment Request #8 by Trine Construction for the Holiday Hills Project
 - e. Approve Payment Request #1 by Manusos for the Screen Channel Upgrades Project
 - f. Semi-Annual Strategic Plan Review
- 11. MISCELLANEOUS CORRESPONDENCE**
 - a. MCGG Membership Meeting – Crystal Lake, IL – January 25, 2023
- 12. APPROVAL OF BILLS**
- 13. OTHER BUSINESS**
 - b. Executive Session – Pending Litigation, Personnel, if needed





Posted to www.nmwrld.org – January 6, 2023

NORTHERN MORaine W R D



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NORTHERN MORAIN WASTEWATER RECLAMATION DISTRICT

113 Timber Trail, Island Lake, Illinois 60042

REGULAR MEETING MINUTES

December 13, 2022

Present in person: Trustees: Timothy Brunn, Ken Michaels, John Ragland, Caretina Tellez
District Manager: Mohammed Haque; District Clerk: Deborah Martin;
District Clerk In Training: Elisa Fisher

President Michaels called the meeting to order at 7:30 p.m.

1. CALL TO ORDER:

Roll Call: Timothy Brunn – Present
John Ragland – Present
Caretina Tellez - Present
Ken Michaels – Present

2. PLEDGE OF ALLEGIANCE:

Those present stood and pledged allegiance to the flag.

3. PUBLIC COMMENTS – none

4. PRESENTATION & APPROVAL OF MINUTES:

a. Regular Meeting November 8, 2022

Motion by Trustee Ragland to approve the Regular Meeting minutes of November 8, 2022, as presented.
2nd by Trustee Brunn

4 ayes 0 nays 0 absent

MOTION CARRIED

b. Executive Meeting, November 8, 2022

Motion by President Michaels to approve the Executive Meeting minutes of November 8, 2022, as presented.
2nd by Mr. Ragland

4 ayes 0 nays 0 absent

MOTION CARRIED

c. Semi Annual Executive Session Review

Motion by President Michaels to release the Executive Meeting minutes of November 13, 2018, December 11, 2018, and January 8, 2019.
2nd by Mr. Ragland

4 ayes 0 nays 0 absent

MOTION CARRIED

5. TREASURER'S REPORT:

a. Approval of the Monthly Treasurer's Report for month ending October 31, 2022

Motion by Mr. Ragland to approve the Treasurer's Report for the month ending October 31, 2022, as presented.
2nd by Mr. Brunn

4 ayes 0 nays 0 absent

MOTION CARRIED



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
December 13, 2022

6. MANAGER'S REPORT:

Mr. Brunn asked about the District's new Engineer In Training, Jasmin. District Manager Haque stated that Jasmin's degree was in Chemical Engineering, but her Master's thesis was on Wastewater. Mr. Brunn asked District Manager Haque if there was anything specific, he wanted to point out about his report. District Manager Haque stated that there were some complaints from a Holiday Hills resident regarding storm water discharges and sediment going into the channel. The U.S. Army Corps of Engineers and IEPA issued a violation to Trine. Concern was expressed that there may be another reasoning behind the complaints as an attempt to get the channel dredged due to pre-existing conditions.

7. TRUSTEE REPORTS - none

8. LEGAL BUSINESS:

The Board discussed the need for a Trustee to replace Jacob Mann. President Michaels told the Board that he will review the state statutes and the Sanitary Act of 1917 concerning the location from where board members are allowed for Northern Moraine.

9. OLD BUSINESS - none

10. NEW BUSINESS:

a. Approval Payment Request #7 by Trine Construction for the Holiday Hills Project

Motion by Mr. Brunn to approve Payment Request #7 by Trine Construction for the Holiday Hills/ Le Villa Vaupell Sewer Extension - Phase 1 Project in the amount of \$885,421.20.

2nd by Mr. Ragland

Roll Call: Timothy Brunn - Aye
John Ragland - Aye
Caretina Tellez - Aye
Ken Michaels - Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

b. Approval Payment Request #1 - Lakemoor Lift Stations Modifications (Lift Stations 1 & 6)

Motion by Mr. Ragland to approve Pay Request #1 to Boller Construction for the Lakemoor Lift Station Modifications Project in the amount of \$6,539.40.

2nd by Mr. Brunn

Roll Call: Timothy Brunn - Aye
John Ragland - Aye
Caretina Tellez - Aye
Ken Michaels - Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

c. Approval of Change Order #3 for the Holiday Hills Project

Motion by Trustee Tellez to approve Change Order #3 for the Holiday Hills Project for the amount of \$17,451.31.

2nd by Mr. Brunn

Roll Call: Timothy Brunn - Aye
John Ragland - Aye
Caretina Tellez - Aye
Ken Michaels - Aye

4 ayes 0 nays 0 absent

MOTION CARRIED



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
December 13, 2022

d. Adoption of a Revised Employee Policy Manual

Motion by Mr. Ragland to Motion to Adopt a Revised Employee Policy Manual as presented.

2nd by Mr. Brunn

Roll Call: Timothy Brunn – Aye
John Ragland – Aye
Caretina Tellez – Aye
Ken Michaels – Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

e. Adoption of 2023 NMWRD Board Meeting Dates

Motion by Mr. Brunn to Adopt the Calendar Year 2023 Regular Meeting Schedule for the Northern Moraine Wastewater Reclamation District Board of Trustees

2nd by Ms. Tellez

Roll Call: Timothy Brunn – Aye
John Ragland – Aye
Caretina Tellez – Aye
Ken Michaels – Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

f. Approval of 2023 NMWRD Holiday Dates

Motion by Ms. Tellez to approve Adopt the Calendar Year 2023 Holiday Schedule for the Northern Moraine Wastewater Reclamation District

2nd by Mr. Ragland

Roll Call: Timothy Brunn – Aye
John Ragland – Aye
Caretina Tellez – Aye
Ken Michaels – Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

g. Revised Fees for Legal Services

President Michaels informed the Board that District Attorney Vic Filippini has made an adjustment to his fee schedule and that the rate mainly concerned the impact of commercial developments. No board action required.

11. MISCELLANEOUS CORRESPONDENCE

a. NMWRD Staff Holiday Party, December 16, 2022 at 5:00 pm - Sideouts in Island Lake

12. APPROVAL OF BILLS

Motion by Mr. Brunn to approve payment of bills for December 13, 2022 as presented, in the amount of \$1,090,046.02.

2nd by Ms. Tellez

Roll Call: Timothy Brunn – Aye
John Ragland – Aye
Caretina Tellez – Aye
Ken Michaels – Aye

4 ayes 0 nays 0 absent

MOTION CARRIED



Northern Moraine Wastewater Reclamation District
Regular Meeting Minutes
December 13, 2022

13. OTHER BUSINESS

a. Executive Session

Motion by President Michaels to go into Executive Session to discuss personnel issues.

2nd by Mr. Ragland

Unanimously approved on a voice vote.

MOTION CARRIED

Regular Session ended at 7:52 pm

Executive Session began at 7:53 pm

Executive Session ended at 8:02 pm

Regular Session reconvened at 8:02 pm

President Michaels stated that no Board action was taken in the Executive Session concerning bonuses for Northern Moraine staff.

Motion by President Michaels to authorize the District Manager to make decisions on end of year performance bonuses for staff in the amount of \$200 to \$3000 and to approve the bonus for the District Manager at the rate discussed.

2nd by Ms. Tellez

Roll Call: Timothy Brunn – Aye
John Ragland – Aye
Caretina Tellez – Aye
Ken Michaels – Aye

4 ayes 0 nays 0 absent

MOTION CARRIED

ADJOURNMENT

Motion by Mr. Michaels to adjourn the meeting at 8:06 p.m.

Unanimously approved on a voice vote



NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT

113 Timber Trail, Island Lake, Illinois 60042

EXECUTIVE SESSION MINUTES

December 13, 2022

Motion by President Michaels to go into Executive Session at 7:53 pm to discuss personnel issues.

2nd Mr. Ragland

4 ayes 0 nays 0 abstain

MOTION CARRIED

Reason for Executive Session:

Discussion of "end of year" performance bonuses for Northern Moraine staff.

Present at Executive Session:

Trustees: Ken Michaels, John Ragland, Timothy Brunn, Cari Tellez

District President Michaels asked that District Manager Haque, District Clerk Martin and District Clerk in Training Fisher leave the meeting room while the Board discussed "end of year" performance bonuses.

District President Michaels informed new Trustee Cari Tellez that each year the Board authorizes the District Manager to award "end of the year" performance bonuses. President Michaels stated that this year the District Manager has asked that the range be increased to \$200 - \$3000, to be determined at the District Manager's discretion. The Board discussed increasing the District Manager's bonus because of the number of projects he has been responsible for implementing this year and the extra work in obtaining state and federal grants. Mr. Michaels indicated that he would state in the Regular Meeting that he would communicate the amount of the District Manager's bonus to Debi, the District Clerk, and Elisa, the District Clerk in Training, after the meeting.

No board action was taken.

Motion by Mr. Brunn to close Executive Session at 8:02 pm.

2nd Mr. Ragland.

4 ayes 0 nays 0 abstain

MOTION CARRIED

NMWRD Escrow Account(s) Summary
rev. January 1st, 2023



Project	Village	Developer	Escrow Start	Total Funding	Draws	Balance as of Jan. 1st	Notes
Lakemoor Commons Lot 5B - Building A (Chipotle)	LM	Keystone Construct LLC	3/18/2021	\$ 6,378.47	12	\$ 581.86	Account Current
Lakemoor Commons Lot 5B - Building B (Future Multi-Tenant)	LM	Keystone Construct LLC	3/18/2021	\$ 6,421.72	12	\$ 581.86	Account Current
Lakemoor Commons Lot 5B - Building C (Future Tenant)	LM	Keystone Construct LLC	3/18/2021	\$ 6,032.47	12	\$ 581.86	Account Current
Lakemoor Commons Lot 5B - Building D (Starbucks)	LM	Keystone Construct LLC	3/18/2021	\$ 5,989.22	12	\$ 581.86	Account Current
Dollar General	IL	CG Buckhalter LLC	9/27/2021	\$ 3,534.75	3	\$ 1,077.00	Account Current
Lakemoor Commons Lot 2A (Taco Bell)	LM	Bell American Group LLC	4/8/2022	\$ 2,500.00	2	\$ 1,119.75	Account Current
Lakemoor Commons Lot 5B (Rainbow Cone)	LM	The Buona Companies LLC	5/5/2022	\$ 5,800.00	4	\$ 1,032.00	Account Current

Total Funding for All Escrow Accounts to Date	\$ 52,933.63
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***Since District re-established Escrow accounts in 2019.*



Northern Moraine WRD Project Grant Tracking

Rev. January 4, 2023

Project	Year	Program	Agency	Grant Requested	Expected Grant Amount	Project Amount	Date Applied	Status
Control Building Electrical Upgrades	2020	Installation and/or Replacement of Utilities Grant Program (Public Act 101-0007 and/or Public Act 101-0029)	DCEO	\$200,000	\$200,000	\$445,494	6/23/2020	Awarded / In-Progress
Unsewered Community – Village of Holiday Hills (Phase 1)	2020	Unsewered Communities Construction Grant Program	IEPA	\$3,495,600	\$3,495,600	\$6,700,000	12/31/2020	Awarded / In-Progress
Lakemoor Lift Stations	2021	Capital Grant Line Item Appropriation (Public Act 101-0638, House Bill 0064)	DCEO	\$400,000	\$400,000	\$732,730	3/11/2021	Awarded / In-Progress
Unsewered Community – Village of Holiday Hills (Phase 1)	2022	McHenry County – Community Development Block Grant (CDBG)	McHenry County	\$200,000	\$100,000	\$7,287,500	1/4/2022	Awarded / In-Progress
Unsewered Community – Village of Holiday Hills (Phase 1)	2022	McHenry County – ADVANCE McHenry County	McHenry County	\$2,905,080	-	\$7,287,500	1/22/2022	Scored 68/100. Needed 80 to advance. Revised and resubmitted. Pending review.
Unsewered Community – Village of Holiday Hills / Le Villa Vaupell Sanitary Sewer Extension (Phase 2)	2022	FY 2023 Interior, Environment, and Related Agencies CPF Request Form IL-14 (Google Form)	US House Representative Lauren Underwood	\$2,500,000	\$2,500,000	\$10,851,000	4/29/2022	Awarded / In-Progress
WWTF Emergency Power Systems Replacement	2022	via Congressionally Directed Spending Request	U.S. Senator Dick Durbin	\$250,000	\$250,000	\$500,000	5/1/2022	Awarded / In-Progress
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NORTHERN MORaine W R D

Project	Year	Program	Agency	Grant Requested	Expected Grant Amount	Project Amount	Date Applied	Status
Darrell Road Unsewered Facilities - Phase 1A WWTF Headworks Facility	2022	Lake County – FORWARD (ARPA Funding)	Lake County	\$1,940,000	-	\$3,871,190	10/31/2022	Under Review
Darrell Road Unsewered Facilities - Phase 1B Interceptor Sewer	2022	Lake County – FORWARD (ARPA Funding)	Lake County	\$2,990,000	-	\$5,862,945	10/31/2022	Under Review
Unsewered Community - Village of Holiday Hills Project (Phase 2)	2022	Unsewered Communities Construction Grant Program	IEPA	\$5,000,000	-	\$11,322,000	11/15/22	Under Review
Holiday Hills/Le Villa Vaupell Sewer Extension - Private Homeowner Financial Assistance	2023	McHenry County – Community Development Block Grant (CDBG)	McHenry County	\$297,000	-	\$594,000	1/4/2023	Under Review
Expected Grant Amount Total					\$6,945,600			



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NMWRD Sewer Connection Permit Tracking
Darrell Road Special Connection Fee Collections

*Special Connection Fees Ordinance approved February 2020



Permit Date	Address	City	Subdivision/ Business	Permit Owner	Permit No.	Amount Paid
3/4/2020	32045 Savannah Drive	LM	Savannahs	William Ryan Homes	5643	\$ 3,248.00
3/4/2020	32046 Savannah Drive	LM	Savannahs	William Ryan Homes	5644	\$ 3,248.00
3/4/2020	32047 Savannah Drive	LM	Savannahs	William Ryan Homes	5645	\$ 3,248.00
3/25/2020	32049 Savannah Drive	LM	Savannahs	William Ryan Homes	5646	\$ 3,248.00
6/29/2020	32044 Savannah Drive	LM	Savannahs	William Ryan Homes	5647	\$ 3,248.00
6/29/2020	32054 Savannah Drive	LM	Savannahs	William Ryan Homes	5648	\$ 3,248.00
8/27/2020	32052 Savannah Drive	LM	Savannahs	William Ryan Homes	5649	\$ 3,248.00
9/10/2020	32064 Savannah Drive	LM	Savannahs	William Ryan Homes	5650	\$ 3,248.00
9/15/2020	32051 Savannah Drive	LM	Savannahs	William Ryan Homes	5651	\$ 3,248.00
9/18/2020	334 Rosedale Drive	LM	Rosedales	Buckhalter	5652	\$ 3,248.00
9/18/2020	336 Rosedale Drive	LM	Rosedales	Buckhalter	4450-A	\$ 3,248.00
9/21/2020	32038 Savannah Drive	LM	Savannahs	William Ryan Homes	5653	\$ 3,248.00
10/27/2020	32048 Savannah Drive	LM	Savannahs	William Ryan Homes	5654	\$ 3,248.00
10/27/2020	32050 Savannah Drive	LM	Savannahs	William Ryan Homes	5655	\$ 3,248.00
2/11/2021	32058 Savannah Drive	LM	Savannahs	William Ryan Homes	5656	\$ 3,248.00
3/4/2021	32057 Savannah Drive	LM	Savannahs	William Ryan Homes	5657	\$ 3,248.00
6/10/2021	31500 US Highway 12 - Buona Beef	LM	Lakemoor Commons	Lakemoor Ventures	5658	\$ 13,920.00
6/17/2021	32040 Savannah Drive	LM	Savannahs	William Ryan Homes	5659	\$ 3,248.00
6/30/2021	32056 Savannah Drive	LM	Savannahs	William Ryan Homes	5660	\$ 3,248.00
6/30/2021	32072 Savannah Drive	LM	Savannahs	William Ryan Homes	5661	\$ 3,248.00
6/30/2021	32053 Savannah Drive	LM	Savannahs	William Ryan Homes	5662	\$ 3,248.00
7/28/2021	32055 Savannah Drive	LM	Savannahs	William Ryan Homes	5663	\$ 3,248.00
7/30/2021	2317 Fenview Circle	IL	Prairie Woods	Pulte Group	5664	\$ 3,248.00
8/13/2021	27450 IL Route 120 - Building A (Chipotle)	LM	Lakemoor Commons	Lakemoor Retail Partners	5665	\$ 12,992.00
8/13/2021	27450 IL Route 120 - Building B (Future Multi-Tenant)	LM	Lakemoor Commons	Lakemoor Retail Partners	5666	\$ 13,920.00
8/13/2021	27450 IL Route 120 - Building C/D (Future Tenant and Starbucks)	LM	Lakemoor Commons	Lakemoor Retail Partners	5667	\$ 13,920.00
8/17/2021	28601 Augusta Lane	LM	Savannahs	William Ryan Homes	5669	\$ 3,248.00
8/23/2021	32060 Savannah Drive	LM	Savannahs	William Ryan Homes	5668	\$ 3,248.00
9/21/2021	27565 IL Route 120 - Woodman's Car Wash	LM	Lakemoor Commons	Woodmans / J Pease Construction	5634-A	\$ 32,480.00
10/27/2021	32062 Savannah Drive	LM	Savannahs	William Ryan Homes	5670	\$ 3,248.00
11/17/2021	28607 Augusta Lane	LM	Savannahs	William Ryan Homes	5671	\$ 3,248.00
12/21/2021	2408 Fenview Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5673	\$ 3,248.00
12/21/2021	2433 Fenview Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5674	\$ 3,248.00
12/21/2021	1935 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5675	\$ 3,248.00
12/21/2021	1929 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5676	\$ 3,248.00
1/4/2022	32030 Savannah Drive	LM	Savannahs	William Ryan Homes	5677	\$ 3,248.00

1/6/2022	2443 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5678	\$ 3,248.00
1/6/2022	2453 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5679	\$ 3,248.00
1/6/2022	2413 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5680	\$ 3,248.00
1/6/2022	2140 Silver Leaf Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5681	\$ 3,248.00
1/13/2022	32042 Savannah Drive	LM	Savannahs	William Ryan Homes	5682	\$ 3,248.00
1/13/2022	1920 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5683	\$ 3,248.00
1/13/2022	2016 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5684	\$ 3,248.00
1/31/2022	28609 Augusta Lane	LM	Savannahs	William Ryan Homes	5685	\$ 3,248.00
2/18/2022	124 Fairfield Drive	IL	Island Lake - South	Midwest Lifestyle Homes	5686	\$ 3,248.00
2/18/2022	122 Fairfield Drive	IL	Island Lake - South	Midwest Lifestyle Homes	699-A	\$ 3,248.00
2/23/2022	28605 Augusta Lane	LM	Savannahs	William Ryan Homes	5687	\$ 3,248.00
2/28/2022	32608 Savannah Drive	LM	Savannahs	William Ryan Homes	5688	\$ 3,248.00
3/2/2022	2028 Foxridge Dr	IL	Prairie Woods	Pulte Group / Veruna LLC	5689	\$ 3,248.00
3/2/2022	2120 Silverlead Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5690	\$ 3,248.00
3/3/2022	32028 Savannah Drive	LM	Savannahs	William Ryan Homes	5691	\$ 3,248.00
3/4/2022	32026 Savannah Drive	LM	Savannahs	William Ryan Homes	5692	\$ 3,248.00
3/7/2022	32066 Savannah Drive	LM	Savannahs	William Ryan Homes	5693	\$ 3,248.00
3/7/2022	2458 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5694	\$ 3,248.00
3/29/2022	One Waters Edge	IL	Dollar General	Hummel Construction	5695	\$ 4,640.00
3/31/2022	2403 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5696	\$ 3,248.00
3/31/2022	2110 Silver Leaf Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5697	\$ 3,248.00
3/31/2022	1926 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5698	\$ 3,248.00
4/6/2022	32063 Savannah Drive	LM	Savannahs	William Ryan Homes	5699	\$ 3,248.00
5/12/2022	1970 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5700	\$ 3,248.00
5/12/2022	2300 Fen View Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5701	\$ 3,248.00
5/12/2022	1900 Fox Ridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5702	\$ 3,248.00
5/24/2022	32067 Savannah Drive	LM	Savannahs	William Ryan Homes	5703	\$ 3,248.00
6/9/2022	2428 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5704	\$ 3,248.00
6/9/2022	2080 Silver Leaf Drive	IL	Walnut Glen	Pulte Group / Veruna LLC	5705	\$ 3,248.00
6/21/2022	2507 Fen View Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5706	\$ 3,248.00
6/21/2022	2040 Foxridge Drive	IL	Walnut Glen	Pulte Group / Veruna LLC	5707	\$ 3,248.00
6/27/2022	32065 Savannah Drive	LM	Savannahs	William Ryan Homes	5708	\$ 3,248.00
6/27/2022	32023 Savannah Drive	LM	Savannahs	William Ryan Homes	5709	\$ 3,248.00
7/1/2022	2245 Walnut Glen Blvd	IL	Walnut Glen	Pulte Group / Veruna LLC	5710	\$ 3,248.00
7/7/2022	330 Rosedale Dr	LM	Sampson Sex & Co Lily Lake	Cotton	5711	\$ 3,248.00
7/8/2022	27695 W. Belvidere Road	LM	Taco Bell	Bell American Group	5712	\$ 13,920.00
7/28/2022	32025 Savannah Drive	LM	Savannahs	William Ryan Homes	5713	\$ 3,248.00
8/2/2022	28603 Augusta Lane	LM	Savannahs	William Ryan Homes	5714	\$ 3,248.00
8/9/2022	2365 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5715	\$ 3,248.00
8/17/2022	2334 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5716	\$ 3,248.00
8/17/2022	2345 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5717	\$ 3,248.00
8/23/2022	3106 Wishing Well Lane	IL	Westridge	Life Lline Plumbing	2434A	\$ -
8/31/2022	2052 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5718	\$ 3,248.00
9/7/2022	1932 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5719	\$ 3,248.00
9/16/2022	32061 Savannah Drive	LM	Savannahs	William Ryan Homes	5720	\$ 3,248.00
9/26/2022	2522 Fen View Circle	IL	Prairie Woods	Pulte Group / Veruna LLC	5721	\$ 3,248.00
10/4/2022	1980 Foxridge Drive	IL	Prairie Woods	Pulte Group / Veruna LLC	5722	\$ 3,248.00
11/30/2022	2180 Walnut Glen Blvd	IL	Prairie Woods	Pulte Group / Veruna LLC	5723	\$ 3,248.00
12/21/2022	2215 Walnut Glen Blvd	IL	Prairie Woods	Pulte Group / Veruna LLC	5724	\$ 3,248.00

Cumulative Total: **\$ 355,888.00**

NMWRD Service Connection Permit Tracking
FY 2022-23



Permit Date	Address	City	Subdivision/ Business	Re-Connect, Repair, Demo or New Connection	Permit Owner	Permit No.	Connection/ Inspection Fee	Darrell Road Special Connection Fee
5/12/2022	1970 Foxridge Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5700	\$ 7,674.00	\$ 3,248.00
5/12/2022	2300 Fen View Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5701	\$ 7,674.00	\$ 3,248.00
5/12/2022	1900 Fox Ridge Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5702	\$ 7,674.00	\$ 3,248.00
5/24/2022	32067 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5703	\$ 7,674.00	\$ 3,248.00
6/9/2022	2428 Fen View Circle	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5704	\$ 7,674.00	\$ 3,248.00
6/9/2022	2080 Silver Leaf Drive	IL	Walnut Glen	New Connection	Pulte Group / Veruna LLC	5705	\$ 7,674.00	\$ 3,248.00
6/21/2022	2507 Fen View Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5706	\$ 7,674.00	\$ 3,248.00
6/21/2022	2040 Foxridge Drive	IL	Walnut Glen	New Connection	Pulte Group / Veruna LLC	5707	\$ 7,674.00	\$ 3,248.00
6/27/2022	32065 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5708	\$ 7,674.00	\$ 3,248.00
6/27/2022	32023 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5709	\$ 7,674.00	\$ 3,248.00
7/1/2022	2245 Walnut Glen Blvd	IL	Walnut Glen	New Connection	Pulte Group / Veruna LLC	5710	\$ 7,674.00	\$ 3,248.00
7/7/2022	330 Rosedale Drive	LM	Sampson Sex & Co Lily Lake	New Connection	Cotton	5711	\$ 7,674.00	\$ 3,248.00
7/8/2022	27695 W. Belvidere Road	LM	Taco Bell	New Connection	Bell American Group	5712	\$ 32,465.00	\$ 13,920.00
7/28/2022	32025 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5713	\$ 7,674.00	\$ 3,248.00
8/2/2022	28603 Augusta Lane	LM	Savannahs	New Connection	William Ryan Homes	5714	\$ 7,674.00	\$ 3,248.00
8/9/2022	2365 Fen View Circle	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5715	\$ 7,674.00	\$ 3,248.00
8/17/2022	2334 Fen View Circle	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5716	\$ 7,674.00	\$ 3,248.00
8/17/2022	2345 Fen View Circle	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5717	\$ 7,674.00	\$ 3,248.00
8/23/2022	3106 Wishing Well Lane	IL	Westridge	Repair	Life Lline Plumbing	2434A	\$ -	\$ -
8/31/2022	2052 Foxridge Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5718	\$ 7,674.00	\$ 3,248.00
9/7/2022	1932 Foxridge Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5719	\$ 7,674.00	\$ 3,248.00
9/16/2022	32061 Savannah Drive	LM	Savannahs	New Connection	William Ryan Homes	5720	\$ 7,674.00	\$ 3,248.00
9/26/2022	2522 Fen View Circle	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5721	\$ 7,674.00	\$ 3,248.00
10/4/2022	1980 Foxridge Drive	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5722	\$ 7,674.00	\$ 3,248.00
10/27/2022	4124 Newport Drive	IL	Fox River Shores	Repair	All Pro Plumbing	2548A	\$ -	\$ -
11/29/2022	625 Wood Creek Drive	IL	Westridge	Repair	McHenry Excavating	2137A	\$ -	\$ -
11/30/2022	2180 Walnut Glen Blvd	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5723	\$ 7,674.00	\$ 3,248.00
12/21/2022	2215 Walnut Glen Blvd	IL	Prairie Woods	New Connection	Pulte Group / Veruna LLC	5724	\$ 7,674.00	\$ 3,248.00
1/3/2023	3719 Hale Lane	IL	Fox River Shores	Repair	Black Diamond Plumbing	2150A	\$ -	\$ -
							Standard Connections	Darrel Road Connections
FY 2022 - 2023 Total:							\$ 216,641.00	\$ 91,872.00
Approved Budget FY 2022 - 2023							\$ 274,064.00	\$ 64,960.00
Approved +/- vs. Current YTD							\$ (57,423.00)	\$ 26,912.00

Northern Moraine WRD - Septage Receiving Tracking
FY 2022-2023



Month	Loads	Gallons	Revenue FY 22-23	Revenue FY 21-22	% Revenue Change
May-22	48	166,935	\$9,613.50	\$3,814.40	252%
Jun-22	59	202,830	\$11,541.30	\$3,610.80	320%
Jul-22	60	162,480	\$9,174.90	\$3,937.20	233%
Aug-22	55	202,750	\$11,490.30	\$6,839.10	168%
Sep-22	53	182,310	\$10,342.80	\$7,032.90	147%
Oct-22	63	215,250	\$12,214.50	\$8,858.70	138%
Nov-22	26	5,156	\$5,156.10	\$6,369.90	81%
Dec-22	27	89,750	\$5,344.80	\$4,916.40	109%
Jan-23				\$938.40	
Feb-23				\$2,529.60	
Mar-23				\$5,360.10	
Apr-23				\$7,466.40	
Total	391	1,227,461	\$74,878.20	\$61,673.90	121%

	Date	Company Name	Gallons	Cost/Gal	Revenue	Time	Type
Dec-22	12/6/2022	Helmer	2800	Flat Rate	\$183.60	10:15 AM	Septic
	12/9/2022	Helmer	2800	Flat Rate	\$183.60	10:00 AM	Septic
	12/12/2022	Helmer	3600	Flat Rate	\$183.60	8:55 AM	Septic
	12/19/2022	Helmer	3100	Flat Rate	\$183.60	10:50 AM	Septic
	12/20/2022	Helmer	3400	Flat Rate	\$183.60	12:10 PM	Septic
	12/1/2022	Weidner	3700	Flat Rate	\$204.00	8:10 AM	Septic
	12/1/2022	Weidner	3800	Flat Rate	\$204.00	11:55 AM	Septic
	12/1/2022	Weidner	3500	Flat Rate	\$204.00	12:35 PM	Septic
	12/2/2022	Weidner	3500	Flat Rate	\$204.00	9:25 AM	Septic
	12/2/2022	Weidner	3500	Flat Rate	\$204.00	12:00 PM	Septic
	12/5/2022	Weidner	3200	Flat Rate	\$204.00	10:15 AM	Septic
	12/5/2022	Weidner	3800	Flat Rate	\$204.00	3:10 PM	Septic
	12/8/2022	Weidner	3800	Flat Rate	\$204.00	2:10 PM	Septic
	12/9/2022	Weidner	3500	Flat Rate	\$204.00	11:10 AM	Septic
	12/9/2022	Weidner	3400	Flat Rate	\$204.00	11:55 AM	Septic
	12/12/2022	Weidner	3750	Flat Rate	\$204.00	3:20 PM	Septic
	12/13/2022	Weidner	3500	Flat Rate	\$204.00	10:45 AM	Septic
	12/13/2022	Weidner	3500	Flat Rate	\$204.00	2:05 PM	Septic
	12/19/2022	Weidner	3800	Flat Rate	\$204.00	1:40 PM	Septic
	12/21/2022	Weidner	3000	Flat Rate	\$183.60	3:10 PM	Septic
	12/22/2022	Weidner	3700	Flat Rate	\$204.00	n/a	Septic
	12/27/2022	Weidner	3700	Flat Rate	\$204.00	9:50 AM	Septic
	12/27/2022	Weidner	3500	Flat Rate	\$204.00	1:40 PM	Septic
	12/29/2022	Weidner	3200	Flat Rate	\$204.00	1:15 PM	Septic
	12/28/2022	Helmer	3000	Flat Rate	\$183.60	1:00 PM	Septic
	12/28/2022	Weidner	3700	Flat Rate	\$204.00	1:55 PM	Septic
	12/28/2022	Helmer	2995	Flat Rate	\$183.60	10:20 AM	Septic



NMWRD Operations Report

Date: January 6th, 2023

Prepared by: Joe Lapastora – Director of Operations

Control Building Electrical Upgrades

[Project Update] – Subcontractor Boller Construction mobilized in early November to begin demolition of some concrete equipment pads and exterior louvers. The masonry subcontractor, A. Horn, then mobilized to fill both louver voids with masonry block as they will soon be installing architectural panels matching the current aesthetic of the Control Building exterior. A minimal amount of work was performed during the month of December as the General Contract waits for electrical components to be delivered. It is anticipated that electrical components will begin to arrive in February/March and once they arrive, Pieper Electric will move forward with the installation of new electrical distribution panels and the relocation of existing control panels. The new diesel pad that was poured in early December has now seen adequate cure time and we will now look to coordinate various companies to perform the Diesel Tank relocation in a single day. We have contracted ARS for rigging and crane services associated with moving the tank. Our Diesel Fuel provider, Olson Fuel, will need to mobilize for the day of the removal as the tank will need to be emptied prior to the move to reduce the weight of the tank. Similarly, our generator service provider, Alternate Power, will also need to mobilize for the day as they will be responsible for priming the new diesel line, making the connection, and performing generator start-up. It is anticipated that this work will be performed in mid-January. See Engineering Report for more updates associated with this project.

Screen Channel Upgrades –

[Project Update] – Replacement of the old Rotamat screener that has been installed since 1998 started in early November as Manusos General Contracting staged equipment to prepare for the work. The Rotamat screener was removed in late November and was replaced with an MS2 Bar Screen. As previously mentioned on last month's report, this project will require bypass pumping around the treatment plant headworks to allow the work to be completed in a dry environment. The bypass of the treatment plant headworks presents a rare opportunity in that the raw pumps will not be in operation, allowing us to replace valves upstream and downstream of the pumps while the bypass is occurring. These valves date back to 1978 and the intake isolation valve for Raw Pump #1 has broken. A pump to replace Raw Pump #1 was delivered in early November and can be installed with the replacement valves that have been delivered over the past several months. Making these improvements at one of the most critical points in the treatment plant is a good investment in our ability to provide essential services for our residents and environment. Dahme Mechanical staged equipment in early November to prepare for the headwork valving replacements in the control building basement. Although the last Operations Report indicated that the work was expected to take place in late December, we made the decision to delay the by-pass for various reasons, including frigidly cold temps observed in late December paired with process disruptions associated with our dewatering process. We will look to schedule the by-pass in January once we re-establish routine operations. Additional updates to be provided on next month's report.



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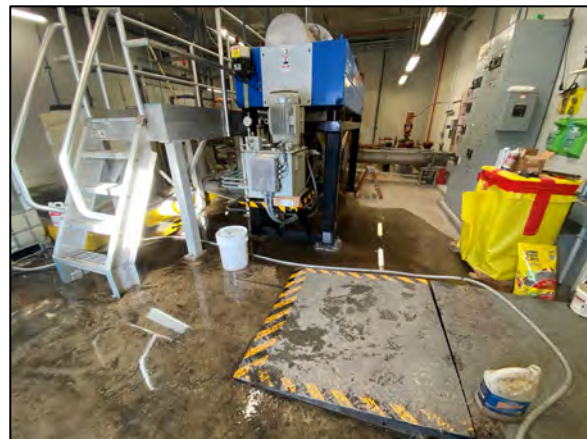
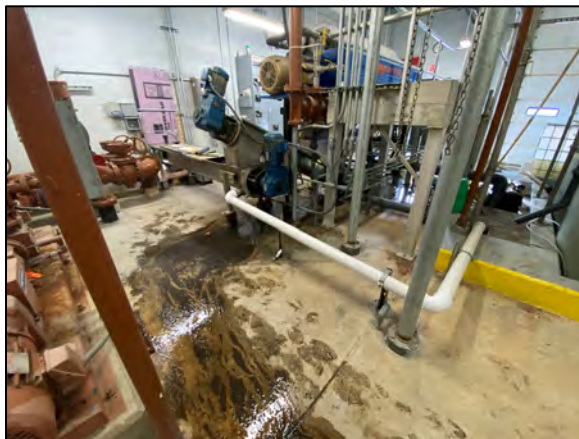


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Dewatering Updates –

In last month's Operations Report, an issue with the Boerger sludge pump associated with the dewatering process was covered. Shortly after the mechanical seal was replaced, District staff attempted to start the dewatering process during the week on December 12th. Upon startup, the main drive within the control panel did not power up on start-up and triggered an emergency shutdown. Upon inspection, it was discovered that one of the legs on the supply line to the main breakers was melted and furthermore, one of the VFD's in the panel was fried. A Centrysis tech mobilized on December 20th to install a correctly programmed VFD and the Operations crew was successful in starting up the dewatering process later that week. The following week, we ran into another dewatering issue as District Operations staff noticed that the consistency of the sludge leaving the centrifuge contained much more moisture than what is typically observed. New District Operator, Jim Mangum, proved to be incredibly resourceful as he identified that the polymer skid was seeing a lower operating pressure than what we typically see and upon further investigation, it was determined that the mixing chamber of the polymer skid was backed up and a check valve associated with the plumbing had failed. After a few hours of troubleshooting/cleanup, it was determined that the root cause of this failure was associated with our NPW orival strainer being excessively blinded which led to the drop in pressure downstream. This issue was remediated via in-house and out-of-house work associated with replacement of the affected plumbing and faulty check valve associated with the polymer skid, and eventually rectified in late December. Since these various issues have been remediated, we have been successful in running the dewatering process two (2) separate time. We will now look to re-establishing the dewatering process and increase the dewatering frequency to occur every 2 weeks so that we will have adequate time to adapt and remediate should another issue arise.



Photos of centrifuge failure due to polymer skid issues. The room has since been restored back to a clean environment.

Lift Station Radio Telemetry

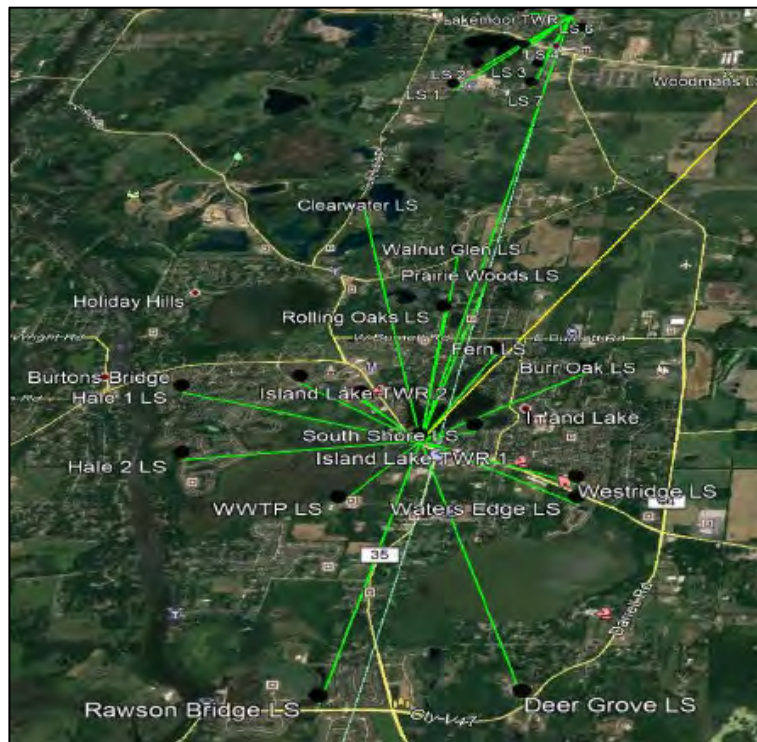
[Project Update] – Radio communication equipment has been ordered for installation on the water tower located at Water Tower Park in Island Lake. This is being done as we begin building a radio communication network amongst the District's lift stations that will transmit data to the SCADA computer we have stationed in the Control Building at the treatment facility. We have been coordinating with staff from the Villages of Island Lake and Lakemoor to obtain spaces on several





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water towers in the area that will allow us to have a high point in regions of the District's service area to install antennas and radios. These will provide a wide range over the District's service area where we can then broadcast data to and receive data from lift stations. As we begin upgrading lift stations, we can then link them to the SCADA computer to make real-time information available to staff, providing more detailed alarming and some limited control. Through the month of November, new Director of Operations, Joe Lapastora, was brought up to speed on the project as the District received quotes for the remaining radio telemetry equipment to be installed at various Lakemoor Lift Station locations. An order will be placed in January and water tower repeater install(s) in Island Lake and Lakemoor will likely being in February/March.



Map of proposed radio communication paths.

Generator Annual Preventative Maintenance – Alternate Power began their annual Generator Preventative Maintenance work associated with the public bidding contract that was awarded in March 2022. As of the issue date for this report, Alternate Power has completed nearly all generator PM work, including those in the collections system, the ONAN generator at the plant, and the portable generators that are stored in the District barn. Aside from the identification of a small manifold leak in one generator, all load bank testing has occurred with no notable issues.

COVID Surveillance Data – Below you can find the most recent data for surveillance sampling and testing for SARS-COV-2. This shows a trend in gene copies of SARS-COV-2 per liter of wastewater entering the District's treatment facility. The data continues to show the concentrations of the different variant lineages that are being detected in the samples we have collected.



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NORTHERN MORAIN WW RECLAMATION DIST WWTP Wastewater Report, December 2022

**LOCATION: NORTHERN MORAIN WW RECLAMATION DIST WWTP
(McHenry County)**

Catchment Information

Population Served	15,000
NPDES	IL0031933
zipcode	60042
IL Covid Region	9

SARS-COV-2 LEVELS IN WASTEWATER

Wastewater is analyzed using digital PCR (dPCR) to determine the concentration of the SARS-CoV-2 virus in a sample. The nucleocapsid protein (N) gene of the virus is targeted in the assay, and results are reported in gene copies per liter of starting wastewater.

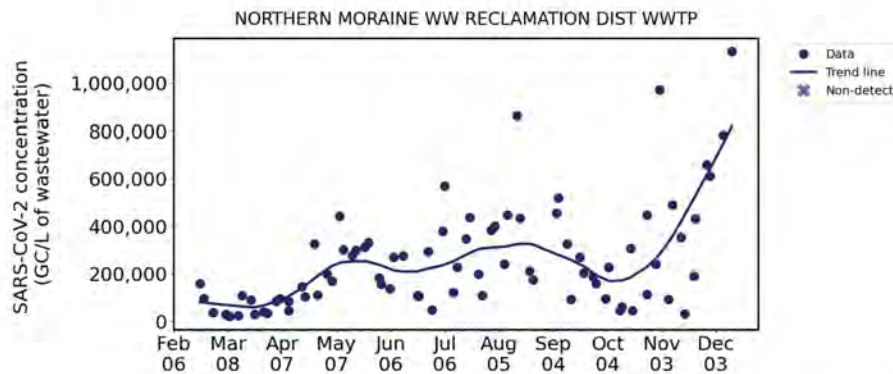


Figure 1. Time series plot of SARS-CoV-2 viral concentrations in gene copies per liter (GC/L) of wastewater.

SAMPLING RESULTS - LAST 8 SAMPLES

Date	GC/L wastewater		
2022-12-12	1,134,750	2022-11-21	190,125
2022-12-07	784,500	2022-11-16	32,325
2022-11-30	611,400	2022-11-14	351,000
2022-11-28	658,725		
2022-11-22	431,850		



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SARS-COV-2 LINEAGES IN WASTEWATER

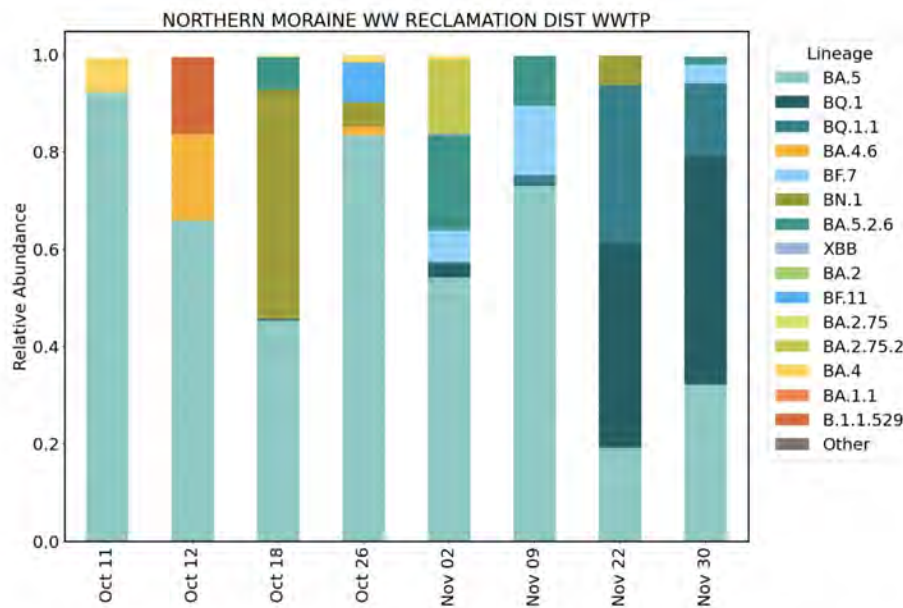


Figure 2. Stacked barplot showing the relative abundances of Sars-CoV-2 lineages in wastewater samples. All lineages in the legend, excluding "Other," are associated with Omicron. The most recently available two months worth of data are shown.

Guide to Interpreting Data on SARS-CoV-2 Gene Copies in Wastewater Samples

What do the results mean?

There are several factors to consider when interpreting viral data in wastewater. The rate, magnitude, and duration of shedding varies from one person to another, thus how or even whether it is possible to translate viral levels in wastewater into precise community health metrics is an open scientific question. It is only appropriate to monitor and observe the trends of viral gene copies detected in a community over time. The data presented in tables, graphs and trend assessments show the concentration of RNA copies in the wastewater area from the community where the wastewater was collected. A significant increase in viral gene copies over





District Staff Updates/News – We have a few exciting updates from the last month as it relates to employee milestones. District Operator, Zac Jordan, obtained his CDL permit back in late December and will now look to obtain his CDL license once we can get him in the same course that District Operator, Emily Lecuyer, attended. On that note, I am also happy to announce that Emily earned her CDL license in early January. Both are exciting and valuable milestones that ultimately benefit the District tremendously. In some personal news, I was successful in graduating the Water Innovation Leadership Development (WILD) Program Fellowship at Duke University’s Nicholas School of the Environment after a year-long effort. I traveled to North Carolina in early December to complete my final workshop and left the program feeling motivated and rejuvenated to become a better leader within our industry. I would be remiss not to mention that gratitude I have for NMWRD’s Trustees and District Manager for their support in allowing me to participate in this program.



Group Duke WILD Graduation Photo.



Stunning Duke Chapel (even more beautiful on the inside!)





NMWRD Engineering Report

Date: January 5th, 2023

Prepared by: Jasmin Bait – Junior Engineer

Holiday Hills / Le Villa Vaupell Sanitary Sewer Extension – Phase 1 (Nunda):

[Project Update] – Significant construction efforts continued through the month of December as the general contractor (Trine) continued with steady progress for underground sanitary sewer paired with progress for restoration efforts including storm culvert replacement. To date, 100% of the underground sewer along Holiday Drive is installed, while nearly 90% of the underground sewer and force main along Sunset Drive is installed. Also note that nearly 85% of all force main on the entire project has been installed to date. Furthermore, 100% of the underground sewer for Alternates A, B, and C is installed. The most notable progress has been made along Sunset Drive and River Road. The full length of force main along River Road has been installed, and the final connections to Sunset Drive and the rest of the collections system on Lily Lake Road will likely be completed in early January. As mentioned in the November report, dewatering on Hickory Street proved to be a bigger challenge than expected, and continued to hamper progress in December. It is now anticipated that all underground sewer along Hickory will be completed by the end of January. To date, a total of 36 of the 41 manhole structures have been installed for the entire project. Additional work performed during the month of December included work associated with sanitary pipe and manhole installations, lateral installations, and storm culvert installations. The District shifted its weekly construction meetings with Trine and TAI due to staff transitions, and hopes to return to a regular meeting schedule this month. Various loan/grant deliverables were completed and provided to the IEPA while monthly progress on submittal review/response by Engineer and Contractor continued to be performed. Construction efforts will slow down over the next few months as the project nears completion.

[Milestone Update] Substantial completion of the project is measured with a series of milestones dated based on the commencement of the contract time. The contract also stipulated that a bonus shall be paid out for every day that work is substantially completed prior to the specified milestone date. Milestone No. 1 includes all sanitary sewer, sanitary services, force main, and restoration improvements plus site improvements (pavement and turf) at the proposed lift station (vaults, wet well, underground utilities, control building, roadway, fencing, site restoration, etc.). Work for Milestone No. 1 was to be substantially completed by December 14, 2022. They did not achieve requirements for that milestone in time and thus no bonus will be paid out. Milestone No. 2 includes all equipment and start-up associated with the lift station and control building. Work for Milestone No. 2 is to be substantially completed by May 13, 2023 with a \$500 bonus for every day that work is





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completed prior to this date. Milestone No. 3 or Final Completion includes all the previously listed items with final acceptance by Owner. Final Completion will be June 12, 2023 with a \$500 bonus for every day that work is completed prior to this date. The total bonus will be limited to \$50,000 and will be paid at Final Payment.



Force main installation on River Road.



Dewatering for force main install on River Road.

Control Building Electrical:

[Project Update] – In late-October, two subs mobilized for demolition and masonry work including Boller Construction (demo, louver removal, and equipment pads) and A. Horn Inc. (masonry). Through November, demolition of both louvers was completed with CMU block being installed for both openings, a roof vent for the old generator was removed, and a new equipment pad was poured inside the new MCC room. The District's diesel tank is being relocated to the area between the Control Building and the Breakroom to allow for the removal of the day-tank that is currently housed inside. The new diesel tank slab was poured in late November and after a 2-3 week cure time, we must now strategically coordinate with ARS (crane service provider), Olson Fuel, Alternate Power and those involved on the CBE project to move the diesel tank in a single day which is anticipated to occur in mid-January. Throughout December, no notable construction progress was made as we are currently waiting for electrical components to arrive in February. More significant construction efforts will begin in the next few months.





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Current standing after CMU block installation.



Current Standing of MCC Panels.

Lakemoor Lift Station No. 1 and No. 6 Modifications:

[Project Update] – The District advertised this project on August 8, 2022 and a public bid opening was held on September 30, 2022. The District received two (2) bids from Boller Construction and Marc Kresmery Construction. Bidders were required to provide a proposal for eight (8) unit prices – a unit price for each lift station (seven (7) lift stations) and one (1) cash allowance. Due to current inflated costs of labor and materials, the proposals received from contractors were roughly \$1.6 Million to complete the work. As such, the District chose to reduce the scope of the project to remain within budget constraints. The project with reduced scope was awarded to Boller Construction for the amount of \$472,400. This covers upgrades associated with Lift Station #1 (\$209,000), Lift Station #6 (\$233,400), and cash allowances for utilities and unforeseen conditions (\$30,000). A kickoff meeting was held on November 23rd. A project start date has yet to be determined, however, electrical component(s) procurement is already underway. Additional updates to be provided on next month's report.

Phosphorous Discharge Optimization Plan:

[Project Update] – The District continues to perform the phosphorous testing related to the District's Phosphorous Discharge Optimization Plan (PDOP) through the month of December. Per Special Condition 20 of the District's National Pollutant Discharge Elimination System (NPDES) Permit, the District is required to provide annual progress reports to the IEPA and the data obtained from this testing will be used in annual report submissions. Note that this will be an ongoing evaluation, as dictated by our NPDES permit to ensure we are taking the necessary steps to meet the 0.5 mg/L Total P limit that will be mandated by 2030. Starting in early February, the new Junior Engineer, Jasmin Bait, will be taking over the PDOP lab testing from the former Engineering Intern, Jonesa Haas.





Screen Channel Upgrades

[Project Update] – The District purchased a Headworks brand MS2 bar screen in April 2020 and requested a proposal for bidding services from TAI in April 2022. The public notice was issued in early-May with a Bid Opening held on June 8th. The District received a recommendation to award the contract to the lowest responsible, responsive bidder, Manusos General Contracting (MGC), from TAI on June 10th. The notice of award was issued on June 27th and a pre-construction meeting was held on August 11th, where all parties met to determine the appropriate path forward, keeping the potential setbacks associated with the Control Building Electrical project in mind. Manusos mobilized in early November. They were successful in removing the Rotamat screener and lowering the new MS2 Bar Screen into the headworks in late November. Manusos is wrapping up small items including anchoring, support installation and railing install. Note that electrical was not included in the public bid so the District will be looking for a company to wire up the control panel to perform startup to ensure that the new equipment works as it should. Dahme Mechanical staged equipment in early November to prepare for the headwork valving replacements in the control building basement. This work is expected to take place in January and at that time, the District must strategically coordinate a bypass of the headworks to allow for the valve replacement work to occur. See the Operations Report for more updates relating to this project. Additional updates to be provided on next month's report.

Woodman's Lift Station and Sanitary Sewer Additions (Lakemoor):

[Project Update] – This project is in the three (3) year maintenance period which was set to close on February 11, 2023. The District continues to work with Filippini Law Firm to wrap up the LOC documents that coincide with the closure of the maintenance period. The District notified Lakemoor in mid-October that we concluded our review of the documents that Lakemoor provided a few months back to close out the Woodman's project. Of note, the District's review of those documents found that we are missing the easement documents for the Woodman's property and it appears that those may never have been recorded. The District instructed Lakemoor to provide those immediately so that we can conclude this matter. A copy of the payment schedule for the loan to date of \$1,278,865.75 was also provided to Lakemoor.

Lakemoor Commons Outlot 5B (Lakemoor):

[Project Update] – Lakemoor Commons Lot 5B construction is complete which includes four (4) separate buildings. Chipotle (Building A), Starbucks (Building D), Sports Clips and Asurian Tech Repair (both Building B) are confirmed tenants while Building C remains untenanted. The District is still looking to close out the Escrow account associated with the Lakemoor Commons Outlot 5B project, however, the District will not return remaining funds until accurate as-builts are received.





Buona Beef Restaurant (Lakemoor):

[Project Update] – All sanitary related construction and testing was completed summer 2021. All sanitary sewer infrastructure was approved in February 2022 and as-builts have been received. This project update section will remain active while the District works through the water meter reading issues associated with Rainbow Cone / Buona Beef. See the next section for more details.

Rainbow Cone at Buona Beef Site (Lakemoor):

[Project Update] – Rainbow Cone held its grand opening on Monday, May 16th and the District has continued to monitor water usage observed at Buona Beef / Rainbow Cone to ensure that this development does not exceed its permitted PE. The District suspected inaccurate water meter readings due to abnormally high readings since May and we were notified in September that this was a result of the irrigation system being overran at night. As such, the owner will be looking into having a separate meter installed strictly for their irrigation system since it does not have any discharge into the sanitary system. In late September, the District notified the owner that due to the irrigation water we do not have any reliable readings for true water usage (irrigation vs. internal) and the District will have to wait a few more months for consistent readings to establish a trend and issue any potential credits. In essence, once the District feels that a trend can be established, we can re-evaluate. We will continue to monitor water meter readings for the next few months to ensure we are receiving accurate readings, and in turn, that we are billing appropriately.

Taco Bell Restaurant – Lakemoor Commons Outlot 2A (Lakemoor):

[Project Update] – All sanitary sewer related construction is complete and the District did not require any testing for the service line installation. Taco Bell held its grand opening in late November. The lone item the District is waiting for are construction record drawings.

In addition to the to the above projects, see below for more updates;

- In the month of December, the District has welcomed the new Junior Engineer, Jasmin Bait, and Engineering Intern, Raul Galvan. Jasmin has been introduced to a variety of engineering duties with the guidance of District Manager, Mohammed Haque, Director of Operations, Joe Lapastora, and former Engineering Intern, Jonessa Haas. So far, Jasmin has taken on tasks pertaining to the hauled waste program, escrow, surplus auction, capital project tracking, DMR data exporting and cleanup, and more. She continues to familiarize herself with the District's treatment process by taking daily walks around the plant and will soon begin to participate in lab tests.



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- Raul Galvan spent his first week shadowing various District staff and absorbing information on NMWRD daily activities and responsibilities. Raul then immersed himself in the details of the Holiday Hills project, where he will be overseeing the remaining construction work on a daily basis. The rest of his time will be dedicated to developing a facility-wide preventative maintenance manual. Raul is reading existing O&M manuals to catalogue maintenance tasks for every piece of equipment at NMWRD. This document will offer the Director of Operations a complete reference of all the periodic tasks that need to be scheduled in a given time period and as the comprehensive source of all O&M for all District staff.
- The District has received all old engineering equipment from the former interns.
- Five (5) of the District's services/commodities are set to expire at the end of this Fiscal Year (i.e. April 30th). Bid opening dates have been proposed for February 21st and 22nd for the following services/commodities; 1. Generator Service, 2. Diesel Fuel Delivery, 3. Phosphorous Removal Chemicals, 4. Chlorination and De-chlorination Chemicals, 5. Lawn Maintenance. The District is set to renew three (3) contracts for services/commodities. See below for a table outlining the services/commodities schedule for FY 2023-24.

<i>NMWRD Bid Tracking</i>		
<i>Updated</i>		
Commodity or Service	Current Status	Next Action
Generator Service	Exp. April 30, 2023	Bid Opening PROPOSED FOR February 21st @ 1:00pm
Diesel Fuel, Delivered	Exp. April 30, 2023	Bid Opening PROPOSED FOR February 21st @ 1:15pm
Phosphorous	Exp. April 30, 2023	Bid Opening PROPOSED FOR February 21st @ 1:30pm
Chlorination/Dechlorination Chemicals	Exp. April 30, 2023	Bid Opening PROPOSED FOR February 22nd @ 1:00pm
Polymer for Solids Handling	Exp. April 30, 2023	Renew 2nd Year Option by April 30, 2023
Replacement of eOne Pumps	Exp. April 30, 2023	Renew 2nd Year Option by April 30, 2023
Land Application of Sludge	Exp. April 30, 2023	Renew 2nd Year Option by April 30, 2023
Lawn Maintenance	Exp. April 30, 2023	Bid Opening PROPOSED FOR February 22nd @ 1:15pm





NORTHERN MORaine W R D

DELINQUENT ACCOUNTS RECAP FOR December 2022

Revised: 1/04/23 by Debi Martin, District Clerk

\$150-\$300

111 Active Accounts

Island Lake – 63 customers
63 Notices of Delinquency
Lakemoor – 40 customers
6 Liens - 34 Notices of Delinquency, 1 Final Water Shut Off Notice, 4 Payment Agreements,
1 Sewer Disconnection Notice
Port Barrington – 8 customers
1 Lien - 7 Notices of Delinquency, 1 Payment Agreement

\$301-500

65 Active Accounts

Island Lake – 41 customers
41 Liens – 39 Water Shut Off Notices, 2 Final Water Shut Off Notices
Lakemoor – 15 customers
15 Liens – 3 Water Shut Off Notices, 6 Sewer Disconnection Notices, 4 Final Notices of
Delinquency, 2 Final Water Shut Off Notices
Port Barrington – 9 customers
9 Liens -- 6 Final Notice of Delinquency, 3 Sewer Disconnection Notices

\$501-\$1000

8 Active Accounts

Island Lake – 5 customers
5 Liens – 3 Final Notices of Delinquency, 2 with water off
Lakemoor – 2 customers
2 Liens – 2 to be disconnected from sewer
Port Barrington – 1 customer
1 Lien - 1 to be disconnected from sewer

\$1001 and up

5 Active Accounts

Island Lake – 1 customer
1 Lien – 1 with water off
Lakemoor – 3 customers
3 Liens – 2 to be disconnected from sewer, 1 with water off
Port Barrington – 1 customer
1 Lien - 1 to be disconnected from sewer

Delinquent Accounts total (active and inactive customers): \$52,810.21 (\$10,184.58 inactive accts)

December 2021's report: \$41,662.94

December 2020's report: \$42,131.34

MONTHLY ACTIVITY:

4803	Monthly Bills mailed 1/02/23 (for Dec service)	104	Notices of Delinquency mailed 1/09/23
447	Bills <u>not</u> mailed – customers prepaid on their accounts	13	Final Notices of Delinquency mailed 1/09/23
42	Water Shut Off Notices mailed 1/09/23	13	Real Estate closings for December 2022
10	Sewer Disconnection Notices mailed 1/09/23	37	Liens filed in December
40	Liens released in December	5	Final Water Shut Off Notices mailed 1/09/23



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org



NORTHERN MORaine **W R D**

AGENDA ITEM # 10A

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	2023 Tax Abatement
<u>Staff Recommendation:</u>	Motion to Adopt Ordinance 23-01, authorizing the County Clerks of Lake and McHenry County to Abate and not spread General Obligation Bond Tax for 2022 in the amount of \$459,994.00
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

Pursuant to our new 2019 General Obligation Bond order, a copy of which is attached, we are required to generate a tax sufficient to produce the sum of \$459,994.00. The District has taken the position over the years that we will pay for our debt obligation through usual and customer user fees and have abated the levy for this bond order. Accordingly, for 2022 tax payable in 2023, we need to abate \$459,994.00. Adoption of this ordinance will allow staff to direct the Clerks of the Counties of Lake and McHenry to abate and not spread that tax.

Recommendation:

Adopt the ordinance abating the General Obligation Bond Tax for the 2022 tax year.

Votes Required to Pass:

Simple Majority, via a roll call vote



ORDINANCE NO. 23-01

AN ORDINANCE abating taxes levied for year 2022 for the General Obligation Refunding Bonds (Alternate Revenue Source), Series 2019 of the Northern Moraine Wastewater Reclamation District.

WHEREAS, the Board of Trustees (the “Board”) of the Northern Moraine Wastewater Reclamation District, Lake and McHenry Counties, Illinois (the “District”), did adopt an ordinance (the “Ordinance”) authorizing the issuance of its \$4,100,000 General Obligation Refunding Bonds (Alternate Revenue Source), Series 2019 (the “Outstanding Bonds”); and

WHEREAS, said Ordinance was in full force and effect forthwith upon passage, approval and publication, and thereafter a certified copy thereof was duly filed in the Office of the County Clerks in Lake and McHenry Counties; and

WHEREAS, said Ordinance did authorize the issuance of the Outstanding Bonds, and did provide for the levy of a direct annual tax upon all taxable property within the District in and for the year 2022, in an amount sufficient to pay the principal of and interest on the Outstanding Bonds when due in 2023; and

WHEREAS, principal and interest on the Outstanding Bonds due in 2022 are being paid from other available funds thereby eliminating the need for the 2022 tax levy to pay the Outstanding Bonds; and

WHEREAS, the Board of the District hereby finds and determines that it is advisable and necessary to provide for abatement of the tax heretofore levied for the year 2022 to pay the Outstanding Bonds;

NOW THEREFORE, BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE NORTHERN MORAIN WASTEWATER RECLAMATION DISTRICT, LAKE AND MCHENRY COUNTIES, ILLINOIS, AS FOLLOWS:

Section 1. Abatement. That it shall be and it is found and determined that the Board of the District has provided for the levy of a direct annual tax upon all taxable property within the District in and for the year 2023 in an amount sufficient to provide the funds to pay when due the principal of and interest on the Outstanding Bonds heretofore issued by the District. It is further found and determined that the Board deems it advisable and in the best interests of the District to provide for abatement of the taxes heretofore levied for the year 2022 pursuant to the Ordinance as follows:

Levy Year	Collection Year	Total Levy Abatement
2022	2023	\$459,994.00

Section 2. Filing. A copy of this ordinance, duly certified by the District, which certificate shall recite that this ordinance has been adopted by the Board of said District and is in full force and effect, shall be filed with the County Clerks of Lake and McHenry Counties, Illinois, shall constitute authority for each County Clerk for the year 2022, to abate the said levy in the amounts and in said year as shown above in Section 1 associated with the Outstanding Bonds.

Section 3. Severability. If any section, paragraph or provision of this ordinance shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such section, paragraph or provision shall not affect any of the remaining provisions of this ordinance.

Section 4. Publication. The District is hereby authorized and directed to publish this ordinance and to file copies thereof for public inspection in his/her office.

Section 5. Conflicting Ordinances. All ordinances, resolutions and parts of ordinances and resolutions, in conflict herewith are hereby repealed.

Section 6. Headings. The headings or titles of the several sections shall be solely for convenience of reference and shall not affect the meaning, construction or effect of this ordinance.

Section 7. Effective Date. This ordinance shall be in full force and effect from and after its adoption and publication.

ADOPTED this January 10, 2023, pursuant to a roll call vote as follows:

AYES:

NAYS:

ABSENT:

APPROVED this January 10, 2023.

President, Board of Trustees
Northern Moraine Wastewater Reclamation
District

ATTEST:

Secretary, Board of Trustees
Northern Moraine Wastewater Reclamation
District

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

FILING CERTIFICATE

I, the undersigned, do hereby certify that I am the duly qualified and acting County Clerk, County of Lake, Illinois, and as such official I do further certify that on the ____ day of _____, 2023, there was filed in my office a duly certified copy of Ordinance No. _____ entitled:

AN ORDINANCE abating taxes levied for year 2022 for the General Obligation Refunding Bonds (Alternate Revenue Source), Series 2019 of the Northern Moraine Wastewater Reclamation District.

duly adopted by the Board of Trustees of the Northern Moraine Wastewater Reclamation District, on the __ day of _____, 2023, and that the same has been deposited in the official files and records of my office.

IN WITNESS WHEREOF, I hereunto affix my official signature and the seal of said County, this __ day of _____, 2023.

County Clerk of Lake, Illinois

(SEAL)

STATE OF ILLINOIS)
) SS
COUNTY OF MCHENRY)

FILING CERTIFICATE

I, the undersigned, do hereby certify that I am the duly qualified and acting County Clerk, County of McHenry, Illinois, and as such official I do further certify that on the ____ day of _____, 2023, there was filed in my office a duly certified copy of Ordinance No. _____ entitled:

AN ORDINANCE abating taxes levied for year 2022 for the General Obligation Refunding Bonds (Alternate Revenue Source), Series 2019 of the Northern Moraine Wastewater Reclamation District.

duly adopted by the Board of Trustees of the Northern Moraine Wastewater Reclamation District, on the __ day of _____, 2023, and that the same has been deposited in the official files and records of my office.

IN WITNESS WHEREOF, I hereunto affix my official signature and the seal of said County, this __ day of _____, 2023.

County Clerk of McHenry, Illinois

(SEAL)

CERTIFICATION

I, Deborah Martin, Clerk in and for the NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT, Island Lake, Illinois, and keeper of the official records, files and seal thereof, do hereby certify that the attached document is a true and correct copy of:

“ORDINANCE 23-01” “AN ORDINANCE TO ABATE THE TAX ON THE NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT GENERAL OBLIGATION BONDS (ALTERNATE REVENUE SOURCE) SERIES 2019, FOR THE YEAR OF 2022.”

Passed and approved by the Board of Trustees of the NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT Island Lake, Illinois.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of the NORTHERN MORaine WASTEWATER RECLAMATION DISTRICT, Island Lake, Illinois, this 10th day of January, 2023.

Deborah Martin, District Clerk

(SEAL)

BOND ORDER

The undersigned, President of the Board of Trustees (the "Board") of the Northern Moraine Wastewater Reclamation District, Lake and McHenry Counties, Illinois (the "District"), on behalf of the District, hereby orders, pursuant to Ordinance 19-07 adopted by the Board on October 8, 2019 (the "Bond Ordinance"), that the District's General Obligation Refunding Bonds (Alternate Revenue Source), Series 2019 (the "Bonds"), shall be issued in the amount of \$4,100,000 and shall be dated December 4, 2019.

The Bonds shall be issued to refund the District's General Obligation Bonds (Alternate Revenue Source), Series 2010 (the "Refunded Bonds"). The President and Secretary are authorized to execute an escrow and defeasance agreement and to establish an escrow account for the Refunded Bonds, and to approve and execute any certificates and documents on behalf of the District in connection with the refunding of the Refunded Bonds. The Amalgamated Bank of Chicago is hereby appointed to serve as escrow agent for the Refunded Bonds.

The Bonds shall be payable from and secured by a pledge of (i) revenues received by the District from operations to the fullest extent permitted by law, including Sections 13 and 15 of the Sanitary Act, (ii) revenues received by the District from any levy for special services under Section 19.1 of the Sanitary Act, and (iii) such other funds of the District as may be lawfully available and annually appropriated for such purpose (collectively, the "Pledged Revenues"), and (ii) to the extent such revenues are insufficient, ad valorem taxes levied against all taxable property in the territory of the Issuer without limitation as to rate or amount.

It is further ordered that the Bonds shall be issued in denominations of \$5,000 or \$5,000 integrals in excess thereof, shall become due and payable and shall bear interest payable semi-annually on May 1 and November 1 each year, beginning May 1, 2020, at the interest rates all as set forth below:

Year of Maturity (<u>May 1</u>)	Principal <u>Amount</u>	<u>Interest</u>
2029	\$4,100,000	2.02%

The Bonds are subject to optional prepayment, in whole or in part, on any date on or after May 1, 2025, at a prepayment price equal to 100% of the principal amount prepaid plus accrued interest to the date fixed for prepayment

The Bonds are subject to mandatory sinking fund redemption prior to maturity on the dates and in the amounts as follows:

Term Bond due <u>May 1, 2029</u>	
5/1/2020	\$360,000
5/1/2021	380,000
5/1/2022	390,000
5/1/2023	400,000
5/1/2024	405,000
5/1/2025	415,000
5/1/2026	425,000
5/1/2027	435,000
5/1/2028	440,000
5/1/2029	450,000*

*Final Maturity

Taxes shall be levied from 2019 to 2028, and collectible in 2020 to 2029, in the amount as follows:

<u>For the Levy Year</u>	<u>A Tax Sufficient to Produce the Sum of:</u>
2019	\$393,818.17 (for principal and interest)
2020	\$455,548.00 (for principal and interest)
2021	\$457,872.00 (for principal and interest)
2022	\$459,994.00 (for principal and interest)
2023	\$456,914.00 (for principal and interest)
2024	\$458,733.00 (for principal and interest)
2025	\$460,350.00 (for principal and interest)
2026	\$461,765.00 (for principal and interest)
2027	\$457,978.00 (for principal and interest)
2028	\$459,090.00 (for principal and interest)

The Bonds are hereby designated qualified tax-exempt obligations for the purposes of Section 265(b) of the Internal Revenue Code of 1986, as amended and in effect on the issue date of the Bonds.

The undersigned hereby directs that the Bonds be sold and delivered to JPMorgan Chase Bank, N.A., as purchaser of the Bonds (the "Underwriter"), for the purchase price of \$4,100,000.

The undersigned hereby selects and appoints the Treasurer of the District to serve as registrar and paying agent for the Bonds (the "Registrar" and "Paying Agent").

As Board President, I hereby find and determine that no person holding any office of the District either by election or appointment, is in any manner interested, in his or her own name, or in the name of any other person, association, trust company or corporation, in the purchase of the Bonds. The proceeds of the Bonds are to be used to pay for (a) refunding the Refunded Bonds, and (b) paying necessary and incidental costs of issuance, all for the benefit of the inhabitants of the District.

Capitalized terms used herein and not otherwise defined shall have the meanings ascribed thereto in the Bond Ordinance.

Dated: November 12, 2019.

NORTHERN MORaine WASTEWATER
RECLAMATION DISTRICT, LAKE AND MCHENRY
COUNTIES, ILLINOIS

By: 
President, Board of Trustees

[SIGNATURE PAGE TO THE BOND ORDER]



NORTHERN MORaine W R D

AGENDA ITEM # 10B

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	Community Development Block Grant Funding Application
<u>Staff Recommendation:</u>	Motion to Approve Resolution 23-01 Authorizing the Request of Funds from the McHenry County CDBG Fund in the amount of \$297,000 the Village of Holiday Hills for Public Infrastructure
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

The District has made application with the McHenry County CDBG for grant funding in the amount of \$297,000 for the public infrastructure improvements in the Village of Holiday Hills. This is an annual funding mechanism with \$1.5 million in overall annual funding available to McHenry County for disbursement. The District is hopeful that this will help with the costs to bring public infrastructure to Holiday Hills. Trotter & Associates assisted the District to get this application completed and submitted. Future annual applications should be more straightforward. In 2022, we were awarded \$100,000 for Holiday Hills. This application is made for help with the private side costs for hookup and should garner more support from McHenry County.

Private Sewer Connection Reimbursement Fund - Holiday Hills/Le Villa Vaupell Sewer Extension					
Description		Total Probable Cost			
SUMMARY					
PRIVATE SEWER LATERAL		\$9,000			
Estimated Total Cost Per Home		\$9,000			
50% Reimbursement from CDBG Fund		(\$4,500)			
Estimated Final Cost to Homeowner		\$4,500			
Homes in the Floodplain within Phase 1 sewer area		66			
PROBABLE PROJECT COST:		\$594,000			
CDBG Funds for Sewer Lateral Reimbursement (50%)		(\$297,000)			
Other Funding Sources (Homeowner Match)		\$297,000			
TOTAL AMOUNT REQUESTED:		\$297,000			
Description		Quantity	Unit	Unit Price	Total Probable Cost
PRIVATE SEWER LATERAL					
Decommission Septic Tank		1	Lump Sum	\$2,100	\$2,100
Restoration (top soil, seeding)		30	SY	\$10	\$300
Interior Plumbing		1	Lump Sum	\$1,800	\$1,800
6" Lateral Stub to Home		60	Ft.	\$80	\$4,800
TOTAL PRIVATE SEWER LATERAL:					\$9,000





NORTHERN MORaine W R D

The application was submitted on January 4, 2023 to meet the deadline. This action ratifies our decision to apply and will be needed for the followup to the application.

Recommendation:

Adopt the Resolution Authorizing the CDBG Application.

Votes Required to Pass:

Simple Majority, via a roll call vote



113 Timber Trail, PO Box
240, Island Lake, IL 60042



Phone: 847-526-3300
Fax: 847-526-3349



Email: info@nmwrd.org
Web: www.nmwrd.org

NORTHERN MORAINES WASTEWATER RECLAMATION DISTRICT

RESOLUTION NO. 2023-_____

A RESOLUTION AUTHORIZING THE NORTHERN MORAINES WASTEWATER RECLAMATION DISTRICT TO REQUEST FUNDS FROM THE MCHENRY COUNTY COMMUNITY DEVELOPMENT DIVISION IN THE AMOUNT OF \$297,000 FOR FINANCIAL ASSISTANCE TO PRIVATE HOMEOWNERS FOR INSTALLATION OF INFRASTRUCTURE ON PRIVATE PROPERTY (PRIVATE SEWER LATERAL) IN THE VILLAGE OF HOLIDAY HILLS.

WHEREAS, the Community Development Block Grant program ("**CDBG**") administered by the United States Department of Housing and Urban Development ("**HUD**") provides funds to qualified cities and counties on an entitlement basis; and

WHEREAS, CDBG grant funds must meet national objectives as defined by the HUD, including benefit to low and moderate income persons; and

WHEREAS, CDBG grant funds must also meet local objectives, as defined by the McHenry County Community Development Division; and

WHEREAS, the Northern Moraine Wastewater Reclamation District, being a sanitary district located in McHenry and Lake Counties, Illinois (the "**District**"), and the Village of Holiday Hills, McHenry County, Illinois (the "**Village**") have entered into an intergovernmental agreement (the "**IGA**") for the extension of public sanitary sewerage facilities within and around the Village (the "**Sewer System Extension**"), which Sewer Facilities are intended to abate the release of septage from private septic systems in the Village into the Fox River and its associated waterways (the "**Fox River**"); and

WHEREAS, the Sewer System Extension is anticipated to include various sewer facilities, including without limitation the installation of sanitary sewer, lift station, and force main facilities and equipment (collectively, the "**Sewer Facilities**"); and

WHEREAS, the Sewer System Extension requires private homeowners of the affected area of the Village of Holiday Hills to connect to the public sewer system by way of a sewer lateral on private property.

WHEREAS, the Corporate Authorities of the District have determined that installation of

Sewer Facilities and financial assistance to private homeowners for the private sewer lateral installation will further the intergovernmental cooperation reflected in the IGA, will support and comport with the objectives of HUD and the McHenry County Community Development Division, and will promote the public health, safety, and welfare by improving the public and environmental health in neighborhoods in and around the Village with low- and moderate-income housing and families;

NOW, THEREFORE BE IT RESOLVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE DISTRICT, MCHENRY AND LAKE COUNTIES, ILLINOIS, as follows:

SECTION 1. Incorporation of Recitals. The foregoing recitals are hereby incorporated into and made a part of this Resolution as if fully set forth herein.

SECTION 2. Authorization; Ratification. The District President, District Manager, and District Clerk (as well as their designees) are hereby authorized and directed to make application and request funds from the McHenry County Community Development Commission for the Sewer Facilities in furtherance of the Sewer System Extension contemplated by the IGA between the District and the Village. To the extent any actions have previously been taken consistent with this authorization and direction, such actions are hereby ratified.

SECTION 3. To the extent required in connection with the granting of CDBG funding for the Sewer Facilities, the District President and District Clerk are hereby authorized to execute and attest a grant agreement between the District and the McHenry County Community Development Commission.

Passed this __ day of _____, 2023.

AYES:

NAYS:

ABSTAIN:

ABSENT:

Approved this ____ day of _____, 2023.

NORTHERN MORaine WASTEWATER
RECLAMATION DISTRICT, an
Illinois municipal corporation

By: _____
District President

ATTEST

District Clerk

PASSED: _____

APPROVED: _____



NORTHERN MORaine **W R D**

AGENDA ITEM # 10C

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	Northern Illinois Municipal Electric Collaborative (NIMEC) Agreement
<u>Staff Recommendation:</u>	Motion to approve a Resolution authorizing the District Manager to approve and execute an agreement with the lowest cost electricity provider for a period of up to 36 months.
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

The District has participated in an electrical purchasing collaborative, NIMEC, since 2008 and has benefited with significant cost savings for electric service through this collaborative. In 2021 the District was able to enter into a 24-month agreement for electrical service to 23 lift stations at near record low rates through AEP Energy at \$0.04537 per kWh. Our current agreements for the lift stations and the treatment plant run out in May 2023. NIMEC plans to conduct bidding for a new 12, 24 and 36 month service period in March. Due to the nature of the bidding process for this commodity, it will be necessary for the District to opt in or opt out of the agreement on the same day that bidding is completed. Authorization for the District Manager to enter into up to a three-year agreement will insure that the District receives the lowest possible cost for electricity for the next one, two or three years, depending on the outcome of the bidding process.

Recommendation:

Adopt a resolution authorizing the District Manager to approve and execute a contract with the lowest cost electricity provider for a period of up to thirty-six (36) months.

Votes Required to Pass:

Simple Majority, via a roll call vote



RESOLUTION

BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE NORTHERN MORAIN
WASTEWATER RECLAMATION DISTRICT authorizing participation in the Northern Illinois
Municipal Electric Collaborative (NIMEC) and authorizing the District Manager to approve
and execute a contract with the lowest cost electricity provider for a period of up to thirty-
six (36) months.

DATED this 10th day of January, 2023

NORTHERN MORAIN WASTEWATER
RECLAMATION DISTRICT, an
Illinois Municipal Corporation,

By: _____
PRESIDENT

SEAL

ATTEST

DISTRICT CLERK

NIMEC Bid Fact Sheet (2020)

- 156 NIMEC members: mostly northern Illinois municipalities, plus park districts, water districts and libraries.
- \$22,000,000/year collective electric purchases under NIMEC management
- NIMEC member retention rate: 98%
- NIMEC's first annual bid: 2008
- Each member receives its own pricing. No member subsidizes any other member's price.
- NIMEC offers 1, 2 and 3 year pricing. Each member can select its own term.
- NIMEC solicits bids from:
 - Constellation (owned by Exelon)
 - Dynegy
 - MC Squared.
- Bids must be accepted by signing power agreement on the day of the bid.
- Members are under no obligation to accept the bids.

Municipality	Account	Service Address
Northern Moraine Waster	5154086053	420 Timber Trail
Northern Moraine Water	0093129063	532 Santa Barbara RD
Northern Moraine Water	0126133015	0 Stone Rd Pump
Northern Moraine Water	0245033050	2285 Walnut Glen
Northern Moraine Water	0333118095	0 Fenview Cir& Dowell
Northern Moraine Water	0372150046	300 Herbert RD
Northern Moraine Water	0477061028	500 Wegner Rd
Northern Moraine Water	1193152047	0 NE Fern Dr & Popular Dr
Northern Moraine Water	1236004006	300 Venice Dr
Northern Moraine Water	1344148000	100 S Lakeshore Dr
Northern Moraine Water	1398097107	0 Darrell & Wagon TRI
Northern Moraine Water	1567158062	2629 Wisteria Way Port
Northern Moraine Water	2332107009	4320 Watersledge Dr
Northern Moraine Water	2434060038	0 E Side Westridge Dr
Northern Moraine Water	2502134029	3923 Hale Ln
Northern Moraine Water	2604060006	230 Southshore Dr
Northern Moraine Water	3567414012	243 Timbertrail Rd
Northern Moraine Water	3567415019	243 Timbertrail Rd
Northern Moraine Water	4032004009	100 Rawson Bridge Rd
Northern Moraine Water	4236131038	2900 Spruce Ter
Northern Moraine Water	5580009039	127 South Dr
Northern Moraine Water	7330064006	3314 Burr Oak Ln
Northern Moraine Water	7398065012	0 NE Waterford Way
Northern Moraine Water	0496138026	3440 Hale Ln
Northern Moraine Water	0372155069	27715 W Route 120



NORTHERN MORaine **W R D**

AGENDA ITEM #10D

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	Payment Request #8 – Holiday Hills /La Villa Vaupell Sewer Extension Project – Phase 1
<u>Staff Recommendation:</u>	Motion to approve Pay Request #8 to Trine Construction for the Holiday Hills / Le Villa Vaupell Sewer Extension – Phase 1 Project in the amount of \$344,750.46.
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

Pay application #8 primarily covers culvert removal and replacement along Holiday Drive for the base bid and sanitary sewer installation for all Alternates (A-D) for a total earned to date amount of \$5,418,303.07. 10% retention in the amount of \$541,830.31 has been withheld from the payment requests to date. The payable amount, less retention, and past payments, is \$344,750.46. The payment has been reviewed and approved by Trotter and Associates.

Similar to previous pay applications, this pay request includes a credit for the cost of the pipe that was installed during the pay application period, since the pipe was previously paid out at 100% for stored materials. Work performed on this pay request includes work associated with pipe and manhole installation, dewatering, silt fence installation, trench backfill, paving, restoration, and storm culvert removal and replacement.

To date, 100% of the underground sewer along Holiday Drive is installed, while nearly 90% of the underground sewer along Sunset Drive is installed, and nearly 85% of all forcemain on the project has been installed. Furthermore, 100% of the underground sewer for Alternates A, B, and C is installed.

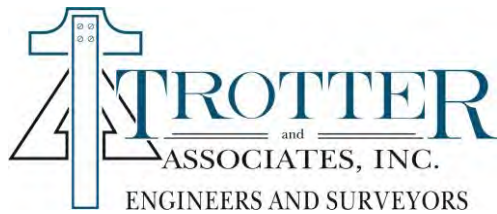
Recommendation:

It is the recommendation of the District Manager to Approve Payment Request #8 for the Holiday Hills /Le Villa Vaupell Sewer Extension – Phase 1 Project in the amount of \$344,750.46 subject to receipt of all waivers, certified payrolls and formal approval by Trotter & Associates.

Votes Required to Pass:

Simple Majority, via a roll call vote





Transmittal Sheet

To:	Mohammed Haque	From:	Dan Gillespie
	Northern Moraine Wastewater		Trotter and Associates, Inc.
	Reclamation District		
	113 Timber Trail		40W201 Wasco Road, Suite D
	Island Lake, Illinois 60042		St. Charles, Illinois 60175
			(630) 587-0470

Date:	January 6, 2023	Project:	NMW082 – Holiday Hills/Le Villa Vaupell Sewer Extension – Phase 1
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Enclosed please find the following documents/information:

1	Recommendation of Payment
1	Pay Request
1	Certified Payroll
1	Pay app #7 waivers

The above documents/information are submitted:

<input type="checkbox"/> As requested	<input type="checkbox"/> For your signature
<input checked="" type="checkbox"/> For your approval	<input type="checkbox"/> For your information and files

Comments:

Mohammed,

Please find a copy of Recommendation of Payment #8, Pay Request #8, Certified Payroll, and the Waivers for pay app #7 for the **Holiday Hills/Le Villa Vaupell Sewer Extension – Phase 1 Project**.

Please contact me if you have any questions.

Thank you,
Dan Gillespie

RECOMMENDATION OF PAYMENT NO. 8
ENGINEER'S PROJECT NO: NMW-082

NORTHERN MORAINES WASTEWATER RECLAMATION DISTRICT

CONTRACTOR: TRINE CONSTRUCTION CORP.
CONTRACT FOR: HOLIDAY HILLS/LE VILLA VAUPELL SEWER EXTENSION –
PHASE 1

APPLICATION DATE: January 6, 2023
PERIOD ENDING: January 6, 2023

APPLICATION AMOUNT: \$344,750.46

TO: Northern Moraine Wastewater Reclamation District
OWNER

Attached hereto is the CONTRACTOR'S Application for Payment for Work accomplished under the Contract through the date indicated above.

Based on the following this Application meets the requirements of the Contract Documents: The Districts onsite review of the quality and progression of the work, verification of pay item quantities with the Contractor, and approval of extra work. TAI has confirmed submittals have been received for work included on this application, IEPA loan requirements are being met, certified payroll has been provided and waivers are acceptable.

We recommend that CONTRACTOR'S Certificate stating that all previous payments to him under the Contract have been applied by him to discharge in full all of his obligations in connection with the work covered by all prior Applications for Payments be obtained.

In accordance with the Contract, the undersigned recommends payment to the CONTRACTOR of the amount due as shown below.

TROTTER & ASSOCIATES, INC.
ENGINEER

DATED: January 6, 2023

BY:



Daniel Gillespie
Construction Engineering Manager

STATEMENT OF WORK

Original Contract Price	\$7,825,286.94
Net Change Orders	\$113,042.06
Current Contract Price	\$7,938,329.00
Work to Date	\$5,418,303.07
Work to be Done	\$2,520,025.93
Amount Retained (10%)	\$541,830.31
Subtotal	\$4,876,472.76
Stored Materials Payment This Period	\$70,247.10
Subtotal Including Stored Materials This Period	\$4,946,719.86
Previous Payments	\$4,601,969.40
Amount Due This Payment	\$344,750.46

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF

PAGES

TO: NORTHERN MORAIN WASTEWATER
RECLAMATION DISTRICT
113 TIMBER TRAIL
PO BOX 240
ISLAND LAKE, IL 60042

PROJECT: HOLIDAY HILLS/LE VILLA VAUPELL
SEWER EXTENSION PHASE 1

APPLICATION NO: 8

Distribution to:

☒ OWNER

FROM: TRINE CONSTRUCTION CORP.
101 TRINE CT.
ST. CHARLES, IL 60174

VIA ARCHITECT: TROTTER AND ASSOCIATES
40W201 WASCO RD
ST CHARLES, IL. 60174

PERIOD TO: December 30, 2022

☐ ARCHITECT

PROJECT NO: NMW-082

☐ CONTRACTOR

☐

CONTRACT FOR: Site Utilities

CONTRACT DATE 5/11/22

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

The undersigned Contractor certifies that to the best of the Contractor's knowledge,
information and belief the Work covered by this Application for Payment has been completed
in accordance with the Contract Documents, that all amounts have been paid by the Contractor
for Work for which previous Certificates for Payment were issued and payments received
from the Owner, and that current payment shown herein is now due.

Contractor: Trine Construction Corp.

By: Carol Gregorich
CAROL GREGORICH, ASSISTANT SECRETARY

Date: 4-Jan-23

State of ILLINOIS

County of: KANE

Subscribed and sworn to before me this 4TH day of JANUARY 2023
Notary Public: Michelle Lo Coco
My Commission expires: September 24, 2024



MICHELLE LO COCO
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
September 24, 2024

1. ORIGINAL CONTRACT SUM \$7,825,286.94
2. Net change by Change Order \$113,042.06
3. CONTRACT SUM TO DATE \$7,938,329.00
4. SUB-TOTAL-TOTAL BID \$4,291,231.82
SUB-TOTAL - ALTERNATE A \$462,073.10
SUB-TOTAL - ALTERNATE B \$321,380.95
SUB-TOTAL - ALTERNATE C \$267,465.90
SUB-TOTAL - ALTERNATE D \$146,398.40
TOTAL COMPLETED & STORED TO DATE \$5,418,303.07
(Less Stored Materials)
STORED MATERIALS \$70,247.10
TOTAL COMPLETED & STORED TO DATE \$5,488,550.17

5. RETAINAGE:

a. 10 % of Completed Work. . . . \$541,830.31
b. 0 % of Stored Material. . . . \$0.00

Total Retainage (Lines 5a + 5b or

..... \$541,830.31
6. TOTAL EARNED LESS RETA \$4,946,719.86
(Line 4 Less Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR
PAYMENT (Line 6 from pr \$4,601,969.40
8. CURRENT PAYMENT DUE \$344,750.46
9. BALANCE TO FINISH, INCLUDING RETAINAGE \$2,991,609.14
(Line 3 less Line 6)

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by GC	\$158,265.35	\$0
Total approved this Month	17,451.31	\$62,675
TOTALS	175,716.66	\$62,675
NET CHANGES by Change Order		\$113,042.06

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data
comprising the application, the Architect certifies to the Owner that to the best of the
Architect's knowledge, information and belief the Work has progressed as indicated, the quality
of the Work is in accordance with the Contract Documents, and the Contractor is entitled to
payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this
Application and on the Continuation Sheet that are changed to conform to the amount certified.)
ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the
Contractor named herein. Issuance, payment and acceptance of payment are without
prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

NORTHERN MORRAINE
RECLAMATION DISTRICT
113 TIMBER TRAIL
PO BOX 240

HOLIDAY HILLS/LE VILLA VAUPELL
SEWER EXTENSION PHASE 1

AIA DOCUMENT G703

PAGE OF PAGES

APPLICATION DATE: January 3, 2023

PERIOD TO: 12/30/22

PROJECT NO: NMW-082

A	B	C	D	E	F	G	H	I	J	K	L
ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMPLETE PREVIOUS ESTIMATE	COMPLETE THIS ESTIMATE	STORED MATERIALS	COMPLETED TO DATE	QUANTITY	TOTAL
1	AGGREGATE SHOULDER, TYPE B	627.00	SY	\$ 20.35	\$ 12,759.45	0 \$	-	\$ -	\$ -	0	\$0.00
2	AIR RELEASE VALVE & VAULT, 4" DIAMETER	1.00	EA	\$ 14,750.00	\$ 14,750.00	1 \$	14,750.00	\$ -	\$ -	1	\$14,750.00
3	BRICK SIDEWALK REMOVAL AND REPLACEMENT	87.00	SF	\$ 25.70	\$ 2,235.90	0 \$	-	\$ -	\$ -	0	\$0.00
4	CHAIN LINK FENCE, 7'	350.00	LF	\$ 212.00	\$ 74,200.00	0 \$	-	\$ -	\$ -	0	\$0.00
5	CHAIN LINK DOUBLE SWING GATE	1.00	LS	\$ 4,980.00	\$ 4,980.00	0 \$	-	\$ -	\$ -	0	\$0.00
6	CLEAR AND GRUBBING	1144.00	SY	\$ 15.40	\$ 17,617.60	1,109 \$	17,078.60	\$ -	\$ -	1,109	\$17,078.60
7	CASING PIPE JACK AND BORE, 16"	32.00	LF	\$ 1,418.00	\$ 45,376.00	0 \$	-	\$ -	\$ -	0	\$0.00
8	CASING PIPE JACK AND BORE, 20"	121.00	LF	\$ 1,018.00	\$ 123,178.00	60 \$	61,080.00	\$ -	\$ -	60	\$61,080.00
9	COMED ALLOWANCE	1.00	LS	\$ 150,000.00	\$ 150,000.00	0 \$	-	\$ -	\$ -	0	\$0.00
10	CONNECTION TO EXISTING FORCE MAIN	2.00	EA	\$ 6,185.00	\$ 12,370.00	0 \$	-	\$ -	\$ -	0	\$0.00
11	CULVERT FES REMOVAL AND REPLACEMENT, 12" CMP	2.00	EA	\$ 694.20	\$ 1,388.40	2 \$	1,388.40	\$ -	\$ -	2	\$1,388.40
12	CULVERT FES REMOVAL AND REPLACEMENT, 15" CMP	14.00	EA	\$ 727.60	\$ 10,186.40	14 \$	10,186.40	\$ -	\$ -	14	\$10,186.40
13	CULVERT REMOVAL AND REPLACEMENT, 10" CMP	30.00	LF	\$ 125.45	\$ 3,763.50	30 \$	3,763.50	\$ -	\$ -	30	\$3,763.50
14	CULVERT REMOVAL AND REPLACEMENT, 12" CMP	721.00	LF	\$ 83.05	\$ 59,879.05	343 \$	28,486.15	\$ -	\$ -	343	\$28,486.15
15	CULVERT REMOVAL AND REPLACEMENT, 15" CMP	342.00	LF	\$ 93.35	\$ 32,019.05	263 \$	24,551.05	\$ -	\$ -	263	\$24,551.05
16	DEWATERING	1.00	LS	\$ 727,805.00	\$ 727,805.00	1 \$	727,805.00	\$ -	\$ -	1	\$727,805.00
17	DOUBLE SWING TUBE GATE (INCLUDES BUILDING STRUCTURE, NATURAL GAS GENERATOR, ELECTRICAL, CONTROL EQUIPMENT, CONCRETE STOOP, ETC.)	1.00	LS	\$ 3,540.00	\$ 3,540.00	0 \$	-	\$ -	\$ -	0	\$0.00
18	GENERATOR BLDG. DOOR CREDIT	1.00	LS	\$ 868,030.00	\$ 868,030.00	0 \$	294,262.17	\$ -	\$ -	0	\$294,262.17
18A	GENERATOR BLDG. RE-ROOF	1.00	LS	\$ (17,000.00)	\$ (17,000.00)	1 \$	(17,000.00)	\$ -	\$ -	1	\$(17,000.00)
18B	GENERATOR BLDG. RE-ROOF	1.00	LS	\$ 5,183.01	\$ 5,183.01	0 \$	-	\$ -	\$ -	0	\$0.00
19	GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT	183.00	SY	\$ 19.30	\$ 3,531.90	0 \$	-	\$ -	\$ -	0	\$0.00
20	HMA DRIVEWAY REMOVAL AND REPLACEMENT	1085.00	SY	\$ 79.65	\$ 86,420.25	0 \$	-	\$ -	\$ -	0	\$0.00
21	HMA PATCHING, CLASS D, 9"	3757.00	SY	\$ 77.10	\$ 289,664.70	0 \$	-	\$ -	\$ -	0	\$0.00
21A	CMR-008 REDUCTION OF PAVEMENT THICKNESS	1.00	LS	\$ (65,000.00)	\$ (65,000.00)	0 \$	-	\$ -	\$ -	0	\$0.00
22	HMA PAVEMENT	658.00	SY	\$ 89.95	\$ 59,187.10	0 \$	-	\$ -	\$ -	0	\$0.00
23	INLET FILTERS	1.00	EA	\$ 106.30	\$ 106.30	0 \$	-	\$ -	\$ -	0	\$0.00
24	LANDSCAPE TIMBER WALL REMOVAL AND REPLACEMENT	1.00	LS	\$ 2,698.50	\$ 2,698.50	0 \$	-	\$ -	\$ -	0	\$0.00
25	LIFT STATION, COMPLETE (INCLUDES WET WELL, VALVE & METER VAULT, PUMPS, PIPING, CONCRETE PAD, ETC.)	1.00	LS	\$ 655,000.00	\$ 655,000.00	1 \$	495,540.00	\$ -	\$ -	1	\$495,540.00
26	LIGHT POLE REMOVAL AND RESET	2.00	EA	\$ 2,627.00	\$ 5,254.00	0 \$	-	\$ -	\$ -	0	\$0.00
27	MERRIMAC STONE BED	64.00	LS	\$ 38.55	\$ 2,467.20	0 \$	-	\$ -	\$ -	0	\$0.00
28	MOBILIZATION	1.00	LS	\$ 443,828.40	\$ 443,828.40	1.00 \$	443,828.40	\$ -	\$ -	1.00	\$443,828.40
29	NICOR GAS SERVICE ALLOWANCE	1.00	LS	\$ 25,000.00	\$ 25,000.00	0 \$	-	\$ -	\$ -	0	\$0.00
30	PAVEMENT REMOVAL	3917.00	SY	\$ 12.85	\$ 50,333.45	0 \$	-	\$ -	\$ -	0	\$0.00
31	PCC DRIVEWAY REMOVAL AND REPLACEMENT	98.00	SY	\$ 142.65	\$ 13,984.40	0 \$	-	\$ -	\$ -	0	\$0.00
32	PCC SIDEWALK REMOVAL AND REPLACEMENT	35.00	SF	\$ 53.95	\$ 1,888.25	0 \$	-	\$ -	\$ -	0	\$0.00
33	PCC CURB AND GUTTER REMOVAL AND REPLACEMENT	10.00	LF	\$ 179.90	\$ 1,799.00	0 \$	-	\$ -	\$ -	0	\$0.00
34	PERENNIAL PLANTS, ALLIUM 'SUMMER BEAUTY' (SUMMER BEAUTY ONION), 1-GALLON	9.00	EA	\$ 23.15	\$ 208.35	0 \$	-	\$ -	\$ -	0	\$0.00
35	PERENNIAL PLANTS, CALAMAGROST IS X ACUTIFORA KARL FORESTER' (FEATHER REED GRASS), 3-GALLON	9.00	EA	\$ 23.15	\$ 208.35	0 \$	-	\$ -	\$ -	0	\$0.00
36	PERENNIAL PLANTS, SPOROBOLUS HETEROLEPIS (PRAIRIE DROPSEED), 1-GALLON	13.00	EA	\$ 23.15	\$ 300.95	0 \$	-	\$ -	\$ -	0	\$0.00
37	PLUG VALVE AND VALVE BOX, 8"	1.00	EA	\$ 7,225.00	\$ 7,225.00	0 \$	-	\$ -	\$ -	0	\$0.00
38	PLUG VALVE AND VALVE BOX, 10"	1.00	EA	\$ 9,350.00	\$ 9,350.00	0 \$	-	\$ -	\$ -	0	\$0.00
39	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	100.00	CY	\$ 33.10	\$ 3,310.00	0 \$	-	\$ -	\$ -	0	\$0.00
40	RIP RAP REMOVAL AND REPLACEMENT	39.00	SY	\$ 112.95	\$ 4,405.05	0 \$	-	\$ -	\$ -	0	\$0.00
41	SANITARY DROP MANHOLE, 4" DIAMETER	5.00	EA	\$ 15,715.00	\$ 78,575.00	5 \$	78,575.00	\$ -	\$ -	5	\$78,575.00
42	SANITARY FORCE MAIN, 1 1/4" HDPE SDR-11	3.00	LF	\$ 70.00	\$ 210.00	0 \$	-	\$ -	\$ -	0	\$0.00
43	SANITARY FORCE MAIN, 8" PVC 900	50.00	LF	\$ 174.30	\$ 8,715.00	0 \$	-	\$ -	\$ -	0	\$0.00
44	SANITARY FORCE MAIN, 10" PVC 900	2908.00	LF	\$ 112.60	\$ 327,440.80	1,952 \$	219,795.20	\$ -	\$ -	1,952	\$219,795.20

CONTINUATION SHEET

NORTHERN MORRAINE
RECLAMATION DISTRICT
113 TIMBER TRAIL
PO BOX 240

HOLIDAY HILLS/LE VILLA VALPELL
SEWER EXTENSION PHASE 1

AIA DOCUMENT G703

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APPLICATION DATE: January 3, 2023
PERIOD TO: 12/30/22
PROJECT NO: NMW-082

ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	C		D		E		F		G		H		I		J	
				UNIT PRICE	TOTAL	COMPLETE PREVIOUS ESTIMATE	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL
44A	DIRECTIONAL DRILL 10" FORCE MAIN	891.00	LF	\$ 169.90	\$ 151,380.90					891	\$ 151,380.90					891	\$ 151,380.90		
45	SANITARY MANHOLE, 4'-DIAMETER	22.00	EA	\$ 9,000.00	\$ 198,000.00			16	\$ 144,000.00	5	\$ 45,000.00					21	\$ 189,000.00		
46	SANITARY SERVICE, 6" PVC SDR-26	1634.00	LF	\$ 148.55	\$ 242,730.70			766	\$ 113,789.30	250	\$ 37,137.50					1,016	\$ 150,926.80		
47	SANITARY SEWER TEE-WYES 8" X 6"	0.00	EA	\$ 219.95	\$ -			0	\$ -		\$ -					0	\$ 0.00		
47A	SANITARY SEWER TEE-WYES 8" X 6" WITH RISER	46.00	EA	\$ 1,219.95	\$ 56,117.70			37	\$ 45,138.15		\$ -					37	\$ 45,138.15		
48	SANITARY SEWER TEE-WYES 10" X 6"	0.00	EA	\$ 1,373.80	\$ -			0	\$ -		\$ -					0	\$ 0.00		
48A	SANITARY SEWER TEE-WYES 10" X 6" WITH RISER	19.00	EA	\$ 1,373.80	\$ 26,102.20			17	\$ 21,980.80		\$ -					17	\$ 21,980.80		
49	SANITARY SEWER, 8" PVC C900	438.00	LF	\$ 132.30	\$ 57,682.80			0	\$ -		\$ -					0	\$ 0.00		
50	SANITARY SEWER, 8" PVC SDR-26	2366.00	LF	\$ 119.45	\$ 282,618.70			1,973	\$ 235,674.85	393	\$ 46,943.85					2,366	\$ 282,618.70		
51	SANITARY SEWER, 10" PVC C900	0.00	LF	\$ 256.95	\$ -			0	\$ -		\$ -					0	\$ 0.00		
52	SANITARY SEWER, 10" PVC SDR 26	3273.00	LF	\$ 141.50	\$ 463,129.50			3,250	\$ 459,875.00		\$ -					3,250	\$ 459,875.00		
53	SANITARY SEWER, 12" PVC SDR 26	139.00	LF	\$ 207.15	\$ 28,793.85			139	\$ 28,793.85		\$ -					139	\$ 28,793.85		
54	SANITARY SEWER TEE-WYES 10" X 6" W/ RISER & CAP (OPEN LOT)	35.00	EA	\$ 1,277.90	\$ 44,726.50			34	\$ 43,448.60		\$ -					34	\$ 43,448.60		
54A	SANITARY SEWER TEE-WYES 10" X 6" W/ RISER & CAP (OPEN LOT)	3.00	EA	\$ 1,219.95	\$ 3,659.85			3	\$ 3,659.85		\$ -					3	\$ 3,659.85		
55	SHRUB, DIERVILLA LONICERA (DWARF BUSH HONEY SUCKLE), 5-GALLON	6.00	EA	\$ 77.10	\$ 462.60			0	\$ -		\$ -					0	\$ 0.00		
56	SHRUB, FOTHERGILLA GARDENTII (DWARF FOTHERGILLA), 3-GALLON	6.00	EA	\$ 77.10	\$ 462.60			0	\$ -		\$ -					0	\$ 0.00		
57	SHRUB, HYDRANGEA ARBORESCENS "INCREDIBALL" (INCREDIBALL HYDRANGEA), 5-GALLON	4.00	EA	\$ 77.10	\$ 308.40			0	\$ -		\$ -					0	\$ 0.00		
58	SILT FENCE	7546.00	LF	\$ 3.20	\$ 24,147.20			5,204	\$ 16,652.80		\$ -					5,204	\$ 16,652.80		
59	STORM CATCH BASIN REMOVAL AND REPLACEMENT	1.00	EA	\$ 5,050.00	\$ 5,050.00			1	\$ 5,050.00		\$ -					1	\$ 5,050.00		
60	STORM FES, 15" RCP	2.00	EA	\$ 1,142.00	\$ 2,284.00			0	\$ -		\$ -					0	\$ 0.00		
61	STORM FES, 15" RCP REMOVAL AND REPLACEMENT	2.00	EA	\$ 1,231.85	\$ 2,463.70			0	\$ -		\$ -					0	\$ 0.00		
62	STORM SEWER, CLASS A, TYPE 1, 15" RCP	60.00	LF	\$ 78.35	\$ 4,701.00			0	\$ -		\$ -					0	\$ 0.00		
63	STORM SEWER, CLASS A, TYPE 1, 15" RCP REMOVAL AND REPLACEMENT	43.00	LF	\$ 87.35	\$ 3,756.05			0	\$ -		\$ -					0	\$ 0.00		
64	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	260.00	LF	\$ 12.85	\$ 3,341.00			0	\$ -		\$ -					0	\$ 0.00		
65	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	38.00	LF	\$ 33.40	\$ 1,302.60			0	\$ -		\$ -					0	\$ 0.00		
66	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	1.00	LS	\$ 5,135.00	\$ 5,135.00			0	\$ -		\$ -					0	\$ 0.00		
67	TOPSOIL, SEEDING CLASS 1, EROSION CONTROL & BLANKET	13464.00	SY	\$ 9.00	\$ 121,176.00			7,605	\$ 68,445.00		\$ -					7,605	\$ 68,445.00		
68	TOPSOIL, SEEDING CLASS 4, EROSION CONTROL & BLANKET	1423.00	SY	\$ 10.60	\$ 15,083.80			0	\$ -		\$ -					0	\$ 0.00		
69	TRACER WIRE ACCESS BOX	9.00	EA	\$ 565.70	\$ 5,091.30			0	\$ -		\$ -					0	\$ 0.00		
70	TRAFFIC CONTROL AND PROTECTION	1.00	LS	\$ 19,756.90	\$ 19,756.90			0	\$ -		\$ -					0	\$ 0.00		
71	TREE PROTECTION	21.00	EA	\$ 244.14	\$ 5,126.94			0	\$ -		\$ -					0	\$ 0.00		
72	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	827.00	UN	\$ 29.55	\$ 24,437.85			827	\$ 24,437.85		\$ -					827	\$ 24,437.85		
73	TREE REMOVAL (OVER 15 UNITS DIAMETER)	1072.00	UN	\$ 37.25	\$ 39,932.00			850	\$ 31,662.50		\$ -					850	\$ 31,662.50		
74	TREE, 3" CALIPER, BALLED AND BURLAPPED	20.00	EA	\$ 790.30	\$ 15,806.00			0	\$ -		\$ -					0	\$ 0.00		
75	TRENCH BACKFILL	5516.00	CY	\$ 41.10	\$ 226,707.60			3,049	\$ 125,313.90	987	\$ 40,565.70					4,036	\$ 165,879.60		
76	WIRE FENCE REMOVE AND REPLACE	34.00	LF	\$ 38.55	\$ 1,310.70			0	\$ -		\$ -					0	\$ 0.00		
77	SANITARY SEWER TV INSPECTION FOR 8' & 10"	9450.00	LF	\$ 3.45	\$ 32,602.50			0	\$ -		\$ -					0	\$ 0.00		
PIPE MATERIAL - STORED MATERIALS						0	\$ 114,271.80		\$ (44,024.70)		\$ -			0	\$ -		\$ 70,247.10		
TOTAL BID PRICE					\$ 6,283,871.75		\$ 3,903,284.12		\$ 387,947.70		\$ -				\$ -		\$ 4,291,231.82		

ALTERNATE A

1	CLEAR AND GRUBBING	551.00	SY	\$ 15.40	\$ 8,485.40			551	\$ 8,485.40		\$ -					551	\$ 8,485.40		
2	CULVERT REMOVAL AND REPLACEMENT, 10" CMP	13.00	LF	\$ 124.20	\$ 1,614.60			13	\$ 1,614.60		\$ -					13	\$ 1,614.60		
3	CULVERT REMOVAL AND REPLACEMENT, 12" CMP	24.00	LF	\$ 81.80	\$ 1,963.20			24	\$ 1,963.20		\$ -					24	\$ 1,963.20		
4	DEWATERING	1.00	LS	\$ 97,800.00	\$ 97,800.00			1	\$ 97,800.00		\$ -					1	\$ 97,800.00		

CONTINUATION SHEET

NORTHERN MORRAINE
RECLAMATION DISTRICT
113 TIMBER TRAIL
PO BOX 240

HOLIDAY HILLS/LE VILLA VAUPELL
SEWER EXTENSION PHASE 1

AIA DOCUMENT G703

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APPLICATION DATE: January 3, 2023
PERIOD TO: 12/30/22
PROJECT NO: NMW-082

A	B	C	D	E	F	G	H	I	J	K	L		
ITEM NO.	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT PRICE	TOTAL	COMPLETE PREVIOUS ESTIMATE QUANTITY	TOTAL	COMPLETED THIS ESTIMATE QUANTITY	TOTAL	STORED MATERIALS QUANTITY	TOTAL	COMPLETED TO DATE QUANTITY	TOTAL
5	HMA DRIVEWAY REMOVAL AND REPLACEMENT	216.00	SY	\$ 82.25	\$ 17,766.00	216	\$ 17,766.00		\$ -		\$ -	216	\$17,766.00
6	HMA PATCHING, CLASS D, 9"	210.00	SY	\$ 138.80	\$ 29,148.00	210	\$ 29,148.00		\$ -		\$ -	210	\$29,148.00
7	PAVEMENT REMOVAL	210.00	SY	\$ 12.85	\$ 2,698.50	210	\$ 2,698.50		\$ -		\$ -	210	\$2,698.50
8	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	50.00	CY	\$ 33.05	\$ 1,652.50	50	\$ 1,652.50		\$ -		\$ -	50	\$1,652.50
9	SANITARY MANHOLE, 4' DIAMETER	5.00	EA	\$ 11,684.00	\$ 58,420.00	5	\$ 58,420.00		\$ -		\$ -	5	\$58,420.00
10	SANITARY SERVICE, 6" PVC SDR-26	411.00	LF	\$ 147.25	\$ 60,519.75	411	\$ 60,519.75		\$ -		\$ -	411	\$60,519.75
11	SANITARY SEWER TEE-WYES 10" X 6"	3.00	EA	\$ 444.80	\$ 1,334.40	3	\$ 1,334.40		\$ -		\$ -	3	\$1,334.40
11A	SANITARY SEWER TEE-WYES 8" X 6" WITH RISER	7.00	EA	\$ 1,219.95	\$ 8,539.65	7	\$ 8,539.65		\$ -		\$ -	7	\$8,539.65
12	SANITARY SEWER, 8" PVC SDR-26	394.00	LF	\$ 98.30	\$ 38,730.20	394	\$ 38,730.20		\$ -		\$ -	394	\$38,730.20
13	SANITARY SEWER, 10" PVC SDR 26	642.00	LF	\$ 108.55	\$ 69,689.10	642	\$ 69,689.10		\$ -		\$ -	642	\$69,689.10
14	SANITARY SEWER TEE-WYES 10" X 6" W/ RISER & CAP (OPEN LOT)	7.00	EA	\$ 1,273.25	\$ 8,912.75	7	\$ 8,912.75		\$ -		\$ -	7	\$8,912.75
14A	SANITARY SEWER TEE-WYES 8" X 6" W/ RISER & CAP (OPEN LOT)	1.00	EA	\$ 1,219.95	\$ 1,219.95	1	\$ 1,219.95		\$ -		\$ -	1	\$1,219.95
15	SILT FENCE	820.00	LF	\$ 3.85	\$ 3,157.00	820	\$ 3,157.00		\$ -		\$ -	820	\$3,157.00
16	TOPSOIL, SEEDING CLASS 1, EROSION CONTROL & BLANKET	2310.00	SY	\$ 9.00	\$ 20,790.00	2,310	\$ 20,790.00		\$ -		\$ -	2,310	\$20,790.00
17	TRAFFIC CONTROL AND PROTECTION	1.00	LS	\$ 999.00	\$ 999.00	1	\$ 999.00		\$ -		\$ -	1	\$999.00
18	TREE PROTECTION	13.00	EA	\$ 244.15	\$ 3,173.95	0	\$ -		\$ -		\$ -	0	\$0.00
19	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	234.00	UN	\$ 29.55	\$ 6,914.70	234	\$ 6,914.70		\$ -		\$ -	234	\$6,914.70
20	TREE REMOVAL (OVER 15 UNITS DIAMETER)	254.00	UN	\$ 37.25	\$ 9,461.50	254	\$ 9,461.50		\$ -		\$ -	254	\$9,461.50
21	TREE, 3" CALIPER, BALLED AND BURLAPPED	1.00	EA	\$ 790.00	\$ 790.00	1	\$ 790.00		\$ -		\$ -	1	\$790.00
22	TRENCH BACKFILL	279.00	CY	\$ 41.10	\$ 11,466.90	279	\$ 11,466.90		\$ -		\$ -	279	\$11,466.90
TOTAL PRICE BID FOR ALTERNATE A					\$ 465,247.05		\$ 462,073.10		\$ -		\$ -		\$ 462,073.10

ALTERNATE B

1	CULVERT REMOVAL AND REPLACEMENT, 12" CMP	175.00	LF	\$ 81.80	\$ 14,315.00	175	\$ 14,315.00		\$ -		\$ -	175	\$14,315.00
2	CULVERT REMOVAL AND REPLACEMENT, 15" CMP	20.00	LF	\$ 92.05	\$ 1,841.00	20	\$ 1,841.00		\$ -		\$ -	20	\$1,841.00
3	DEWATERING	1.00	LS	\$ 73,165.00	\$ 73,165.00	1	\$ 73,165.00		\$ -		\$ -	1	\$73,165.00
4	HMA DRIVEWAY REMOVAL AND REPLACEMENT	293.00	SY	\$ 128.50	\$ 37,650.50	293	\$ 37,650.50		\$ -		\$ -	293	\$37,650.50
5	HMA PATCHING, CLASS D, 9"	161.00	SY	\$ 129.80	\$ 20,897.80	161	\$ 20,897.80		\$ -		\$ -	161	\$20,897.80
6	LANDSCAPE BLOCK WALL REMOVE AND RESET	1.00	LS	\$ 2,925.00	\$ 2,925.00	0	\$ -		\$ -		\$ -	0	\$0.00
7	LANDSCAPE BLOCK PLANTER/BED REMOVE AND RESET	1.00	LS	\$ 3,535.00	\$ 3,535.00	0	\$ -		\$ -		\$ -	0	\$0.00
8	LANDSCAPE TIMBER WALL REMOVAL AND REPLACEMENT	1.00	LS	\$ 2,762.75	\$ 2,762.75	0	\$ -		\$ -		\$ -	0	\$0.00
9	PAVEMENT REMOVAL	161.00	SY	\$ 12.85	\$ 2,068.85	161	\$ 2,068.85		\$ -		\$ -	161	\$2,068.85
10	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	50.00	CY	\$ 33.10	\$ 1,655.00	0	\$ -		\$ -		\$ -	0	\$0.00
11	SANITARY MANHOLE, 4' DIAMETER	2.00	EA	\$ 11,677.50	\$ 23,355.00	2	\$ 23,355.00		\$ -		\$ -	2	\$23,355.00
12	SANITARY SERVICE, 6" PVC SDR-26	405.00	LF	\$ 147.20	\$ 59,616.00	405	\$ 59,616.00		\$ -		\$ -	405	\$59,616.00
13	SANITARY SEWER TEE-WYES 8" X 6"	0.00	EA	\$ 218.65	\$ -	0	\$ -		\$ -		\$ -	0	\$0.00
13A	SANITARY SEWER TEE-WYES 8" X 6" WITH RISER	13.00	EA	\$ 1,219.95	\$ 15,859.35	6	\$ 7,319.70		\$ -		\$ -	6	\$7,319.70
14	SANITARY SEWER, 8" PVC SDR-26	522.00	LF	\$ 97.00	\$ 50,634.00	522	\$ 50,634.00		\$ -		\$ -	522	\$50,634.00
15	SILT FENCE	793.00	LF	\$ 4.20	\$ 3,330.60	422	\$ 1,772.40		\$ -		\$ -	422	\$1,772.40
16	TOPSOIL, SEEDING CLASS 1, EROSION CONTROL & BLANKET	1103.00	SY	\$ 9.00	\$ 9,927.00	1,103	\$ 9,927.00		\$ -		\$ -	1,103	\$9,927.00
17	TRAFFIC CONTROL AND PROTECTION	1.00	LS	\$ 999.00	\$ 999.00	1	\$ 999.00		\$ -		\$ -	1	\$999.00
18	TREE PROTECTION	6.00	EA	\$ 244.00	\$ 1,464.00	0	\$ -		\$ -		\$ -	0	\$0.00
19	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20.00	UN	\$ 29.55	\$ 591.00	0	\$ -		\$ -		\$ -	0	\$0.00
20	TREE REMOVAL (OVER 15 UNITS DIAMETER)	48.00	UN	\$ 37.25	\$ 1,788.00	20	\$ 745.00		\$ -		\$ -	20	\$745.00
21	TREE, 3" CALIPER, BALLED AND BURLAPPED	2.00	EA	\$ 790.00	\$ 1,580.00	2	\$ 1,580.00		\$ -		\$ -	2	\$1,580.00
22	TRENCH BACKFILL	377.00	CY	\$ 41.10	\$ 15,494.70	377	\$ 15,494.70		\$ -		\$ -	377	\$15,494.70
TOTAL BID PRICE FOR ALTERNATE B					\$ 345,454.55		\$ 321,380.95		\$ -		\$ -		\$ 321,380.95

CONTINUATION SHEET

NORTHERN MORRAINE
RECLAMATION DISTRICT
113 TIMBER TRAIL
PO BOX 240

HOLIDAY HILLS/LE VILLA VAUPELL
SEWER EXTENSION PHASE 1

APPLICATION DATE: January 3, 2023

PERIOD TO: 12/30/22

PROJECT NO: NMW-082

ITEM NO.	DESCRIPTION OF WORK	B		C		D		E		F		G		H		I		J		K		L	
		QUANTITY	UNIT	UNIT PRICE		TOTAL		QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL		
ALTERNATE C																							
1	CULVERT REMOVAL AND REPLACEMENT, 12" CMP	105.00	LF	\$ 80.50		\$ 8,452.50		105	\$ 8,452.50		\$ -		\$ -		\$ -		\$ -		105		\$ 8,452.50		
2	DEWATERING	1.00	LS	\$ 60,505.00		\$ 60,505.00		1	\$ 60,505.00		\$ -		\$ -		\$ -		\$ -		1		\$ 60,505.00		
3	HMA DRIVEWAY REMOVAL AND REPLACEMENT	198.00	SY	\$ 128.50		\$ 25,443.00		198	\$ 25,443.00		\$ -		\$ -		\$ -		\$ -		198		\$ 25,443.00		
4	HMA PATCHING, CLASS D, 8" LANDSCAPE TIMBER PLANTER/BED REMOVAL AND REPLACEMENT	117.00	SY	\$ 129.80		\$ 15,186.60		117	\$ 15,186.60		\$ -		\$ -		\$ -		\$ -		117		\$ 15,186.60		
5		1.00	LS	\$ 3,488.80				1	\$ 3,488.80		\$ -		\$ -		\$ -		\$ -		1		\$ 3,488.80		
6	LIGHT POLE REMOVAL AND RESET	1.00	EA	\$ 2,827.00		\$ 2,827.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
7	PAVEMENT REMOVAL	117.00	SY	\$ 12.85		\$ 1,503.45		117	\$ 1,503.45		\$ -		\$ -		\$ -		\$ -		117		\$ 1,503.45		
8	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	50.00	CY	\$ 33.05		\$ 1,652.50		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
9	SANITARY MANHOLE, 4" DIAMETER	2.00	EA	\$ 11,670.00		\$ 23,340.00		2	\$ 23,340.00		\$ -		\$ -		\$ -		\$ -		2		\$ 23,340.00		
10	SANITARY SERVICE, 6" PVC SDR-26	308.00	LF	\$ 145.95		\$ 44,952.60		308	\$ 44,952.60		\$ -		\$ -		\$ -		\$ -		308		\$ 44,952.60		
11	SANITARY SEWER TEE-WYES 8" X 6"	0.00	EA	\$ 217.35		\$ -		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
11A	SANITARY SEWER TEE-WYES 8" X 6" WITH RISER	11.00	EA	\$ 1,219.95		\$ 13,419.45		11	\$ 13,419.45		\$ -		\$ -		\$ -		\$ -		11		\$ 13,419.45		
12	SANITARY SEWER, 8" PVC SDR-26	508.00	LF	\$ 97.00		\$ 49,276.00		508	\$ 49,276.00		\$ -		\$ -		\$ -		\$ -		508		\$ 49,276.00		
13	SANITARY SEWER TEE-WYES 8" X 6" W/ CAP (OPEN LOT)		EA	\$ 876.45		\$ -		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
13A	SANITARY SEWER TEE-WYES 8" X 6" W/ RISER CAP (OPEN LOT)	2.00	EA	\$ 1,219.95		\$ 2,439.90		2	\$ 2,439.90		\$ -		\$ -		\$ -		\$ -		2		\$ 2,439.90		
14	SILT FENCE	697.00	LF	\$ 4.20		\$ 2,927.40		412	\$ 1,730.40		\$ -		\$ -		\$ -		\$ -		412		\$ 1,730.40		
15	TOPSOIL, SEEDING CLASS 1, EROSION CONTROL & BLANKET	982.00	SY	\$ 9.00		\$ 8,838.00		982	\$ 8,838.00		\$ -		\$ -		\$ -		\$ -		982		\$ 8,838.00		
16	TRAFFIC CONTROL AND PROTECTION	1.00	LS	\$ 999.00		\$ 999.00		1	\$ 999.00		\$ -		\$ -		\$ -		\$ -		1		\$ 999.00		
17	TREE PROTECTION	6.00	EA	\$ 244.15		\$ 1,464.90		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
18	TRENCH BACKFILL	192.00	CY	\$ 41.10		\$ 7,891.20		192	\$ 7,891.20		\$ -		\$ -		\$ -		\$ -		192		\$ 7,891.20		
TOTAL BID PRICE FOR ALTERNATE C						\$ 271,118.50			\$ 267,465.90		\$ -		\$ -		\$ -		\$ -				\$ 267,465.90		
ALTERNATE D																							
1	AGGREGATE SHOULDER, TYPE B	13.00	SY	\$ 20.35		\$ 264.55		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
2	CULVERT FES REMOVAL AND REPLACEMENT, 12" CMP	2.00	EA	\$ 687.75		\$ 1,375.50		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
3	CULVERT REMOVAL AND REPLACEMENT, 8" CMP	24.00	LF	\$ 76.65		\$ 1,839.60		24	\$ 1,839.60		\$ -		\$ -		\$ -		\$ -		24		\$ 1,839.60		
4	CULVERT REMOVAL AND REPLACEMENT, 12" CMP	194.00	LF	\$ 80.50		\$ 15,617.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
5	DEWATERING	1.00	LS	\$ 122,995.00		\$ 122,995.00		1	\$ 61,497.50		\$ -		\$ -		\$ -		\$ -		1		\$ 61,497.50		
6	GRAVEL DRIVEWAY REMOVAL AND REPLACEMENT	35.00	SY	\$ 19.30		\$ 675.50		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
7	HMA DRIVEWAY REMOVAL AND REPLACEMENT	138.00	SY	\$ 127.25		\$ 17,569.50		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
8	HMA PATCHING, CLASS D, 9"	467.00	SY	\$ 133.65		\$ 62,414.55		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
9	LANDSCAPE BLOCK PLANTER/BED REMOVE AND RESET	1.00	LS	\$ 3,488.00		\$ 3,488.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
10	PAVEMENT REMOVAL	467.00	SY	\$ 12.85		\$ 6,000.95		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
11	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	50.00	CY	\$ 24.40		\$ 1,220.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
12	SANITARY DROP MANHOLE, 4" DIAMETER	1.00	EA	\$ 12,675.00		\$ 12,675.00		1	\$ 12,675.00		\$ -		\$ -		\$ -		\$ -		1		\$ 12,675.00		
13	SANITARY MANHOLE, 4" DIAMETER	4.00	EA	\$ 12,660.00		\$ 50,640.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
14	SANITARY SERVICE, 6" PVC SDR-26	370.00	LF	\$ 144.65		\$ 53,520.50		100	\$ 14,465.00		\$ -		\$ -		\$ -		\$ -		100		\$ 14,465.00		
15	SANITARY SEWER TEE-WYES 10" X 6"	0.00	EA	\$ 439.65		\$ -		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
15A	SANITARY SEWER TEE-WYES 10" X 6" WITH RISER	9.00	EA	\$ 1,373.00		\$ 12,357.00		2	\$ 2,746.00		\$ -		\$ -		\$ -		\$ -		2		\$ 2,746.00		
16	SANITARY SEWER, 8" PVC SDR 26	36.00	LF	\$ 118.15		\$ 4,253.40		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
17	SANITARY SEWER, 10" PVC SDR 26	1134.00	LF	\$ 128.45		\$ 145,662.30		340	\$ 43,673.00		\$ -		\$ -		\$ -		\$ -		340		\$ 43,673.00		
	SANITARY SEWER TEE-WYES 10" X 6" W/ RISER & CAP (OPEN LOT)	5.00	EA	\$ 1,266.75		\$ 6,333.75		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
19	SILT FENCE	1052.00	LF	\$ 3.85		\$ 4,050.20		807	\$ 3,106.95		\$ -		\$ -		\$ -		\$ -		807		\$ 3,106.95		
20	BLANKET	2371.00	SY	\$ 9.00		\$ 21,339.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
21	TRAFFIC CONTROL AND PROTECTION	1.00	LS	\$ 998.00		\$ 998.00		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
22	TREE PROTECTION	2.00	EA	\$ 244.15		\$ 488.30		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
23	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	27.00	UN	\$ 29.55		\$ 797.85		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
24	TREE REMOVAL (OVER 15 UNITS DIAMETER)	143.00	UN	\$ 37.25		\$ 5,326.75		143	\$ 5,326.75		\$ -		\$ -		\$ -		\$ -		143		\$ 5,326.75		
25	TREE, 3" CALIPER, BALLED AND BURLAPPED	7.00	EA	\$ 790.25		\$ 5,531.75		0	\$ -		\$ -		\$ -		\$ -		\$ -		0		\$ 0.00		
26	TRENCH BACKFILL	504.00	CY	\$ 41.10		\$ 20,714.40		26	\$ 1,068.60		\$ -		\$ -		\$ -		\$ -		26		\$ 1,068.60		
TOTAL BID PRICE ALTERNATE D						\$ 578,139.35			\$ 146,398.40		\$ -		\$ -		\$ -		\$ -				\$ 146,398.40		

HOLIDAY HILLS/LE VILLA VAUPELL
SEWER EXTENSION PHASE 1

APPLICATION DATE: January 3, 2023

PERIOD TO: 12/30/22

PROJECT NO: NMW-082

PROJECT NO. 1444-002																					
A	B				C		D		E		F		G		H		I		J		
ITEM							BID	COMPLETE PREVIOUS ESTIMATE		COMPLETED THIS ESTIMATE		COMPLETED THIS ESTIMATE		STORED MATERIALS		COMPLETED TO DATE					
NO.	DESCRIPTION OF WORK				QUANTITY	UNIT	UNIT PRICE	TOTAL		QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL	QUANTITY	TOTAL		
								\$	7,943,831.20		\$	5,100,602.47		\$	387,947.70		\$	-	89.09%	\$	5,488,550.17



STATE OF ILLINOIS

COUNTY OF

WAIVER OF LIEN TO DATE

Gty #

Escrow #

TO WHOM IT MAY CONCERN:

WHEREAS the undersigned has been employed by Northern Monrairie Wastewater Reclamaation District to furnish Underground Utilites for the premises known as Hoiday Hills / Le Villa Vaupell Sewer Extention of which Northern Moraine Wasterwater Reclamation District is the owner.

THE undersigned, for and in consideration of Three Hundred FOrty Four Thousand Seven Hundred Fifty Dollars and Forty Six Cents (\$344,750.46) Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Illinois, relating to mechanics' liens, with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material, fixtures, apparatus or machinery, furnished to this date by the undersigned for the above-described premises, INCLUDING EXTRAS.*

DATE December 303, 2022 COMPANY NAME Trine Construction Corp

ADDRESS 1041 Trine Ct, Siote A , St Charles, IL 60174

SIGNATURE AND TITLE

Carol Gregorich - Assistant Secretary

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT

CONTRACTOR'S AFFIDAVIT

STATE OF ILLINOIS

COUNTY OF Kane

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME) Carol Gregorich BEING DULY SWORN, DEPOSES AND SAYS THAT HE OR SHE IS (POSITION) Assistant Secretary OF (COMPANY NAME) Trine Construction Corp WHO IS THE CONTRACTOR FURNISHING Site Utilities WORK ON THE BUILDING LOCATED AT Holiday Hills/Le Villa Vaupell Sewer Extention OWNED BY Northern Moraine Wastewater Reclamation District

That the total amount of the contract including extras* is \$7,938,329.00 on which he or she has received payment of \$4,601,969.40 prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names and addresses of all parties who have furnished material or labor, or both, for said work and all parties having contracts or sub contracts for specific portions of said work or for material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to complete said work according to plans and specifications:

NAMES AND ADDRESSES	WHAT FOR	CONTRACT PRICE INCLDG EXTRAS*	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
For complete listing see page 2 of 2 attached:					
TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE.					

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or other work of any kind done or to be done upon or in connection with said work other than above stated.

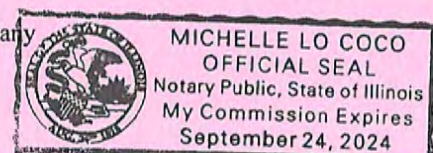
DATE 1-4-23

SIGNATURE:

*Carol Gregorich*SUBSCRIBED AND SWORN TO BEFORE ME THIS 4th DAY OF January, 2023

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT.

Michelle Lo Coco
NOTARY PUBLIC



WAIVER OF LIEN TO DATE

FROM: Trine Construction Corp.
 FOR: Holiday Hills
 Pay Est. 8

NAMES AND ADDRESSES	WHAT FOR	CONTRACT PRICE WITH EXTRAS	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
Trine Construction Corp.	Equip, Labor and Other	\$4,486,950.03	\$3,068,353.21	\$273,398.91	\$1,145,197.91
Mid American	Appurants	\$605,000.00	\$467,016.66		\$137,983.34
Welch Brothers	Concrete Structures	\$313,000.00	\$211,807.31		\$101,192.69
Thelen Materials	Aggregates/Dump	\$30,000.00	\$22,739.39		\$7,260.61
Reliable Stone and Gravel	Aggregates/Dump	\$320,000.00	\$156,549.16		\$163,450.84
Traffic Contront Protection	Traffic Control	\$17,800.00	\$14,760.00		\$3,040.00
Thatcher	Sod Retention	\$229,000.00	\$206,100.00		\$22,900.00
Gasvoda & Assoc	Pumps	\$85,000.00	\$30,490.00		\$54,510.00
Advanced Automation & Control	Instrumental	\$57,000.00	\$0.00		\$57,000.00
Procision Boring	Auger/Boring	\$51,700.00	\$16,146.00		\$35,554.00
TAT Enaterprises	Asphalt	\$500,000.00	\$91,918.10	\$71,351.55	\$336,730.35
Landmark	Concrete	\$124,700.00	\$0.00		\$124,700.00
Homestead Electric	Electrical	\$358,000.00	\$13,500.00		\$344,500.00
Abbott Tree	Tree Removal	\$63,154.00	\$37,752.30		\$25,401.70
Michels's	Dewatering	\$300,000.00	\$174,600.00		\$125,400.00
Genco Industies	Mechanical	\$161,800.00	\$0.00		\$161,800.00
Trinity	Building	\$235,224.97	\$90,235.27		\$144,989.70
TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLETE		\$7,938,329.00	\$4,601,967.40	\$344,750.46	\$2,991,611.14

WAIVER OF LIEN TO DATE

FROM: Trine Construction Corp.
 FOR: Holiday Hills
 Pay Est. 7

NAMES AND ADDRESSES	WHAT FOR	CONTRACT PRICE WITH EXTRAS	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
Trine Construction Corp.	Equip, Labor and Other	\$4,447,398.29	\$2,414,878.50	\$650,774.71	\$1,381,745.08
Mid American	Appurants	\$605,000.00	\$445,235.42	\$21,781.24	\$137,983.34
Welch Brothers	Concrete Structures	\$313,000.00	\$198,599.33	\$13,207.98	\$101,192.69
Thelen Materials	Aggregates/Dump	\$30,000.00	\$3,307.49	\$19,431.90	\$7,260.61
Reliable Stone and Gravel	Aggregates/Dump	\$320,000.00	\$117,868.36	\$38,680.80	\$163,450.84
Traffic Contront Protection	Traffic Control	\$17,800.00	\$10,496.00	\$4,264.00	\$3,040.00
Thatcher	Sod Retention	\$229,000.00	\$206,100.00		\$22,900.00
Gasvoda & Assoc	Pumps	\$85,000.00	\$30,490.00		\$54,510.00
Advanced Automation & Control	Instrumental	\$57,000.00	\$0.00		\$57,000.00
Procision Boring	Auger/Boring	\$51,700.00	\$16,146.00		\$35,554.00
TAT Enaterprises	Asphalt	\$500,000.00		\$94,618.10	\$405,381.90
Landmark	Concrete	\$124,700.00	\$0.00		\$124,700.00
Homestead Electric	Electrical	\$358,000.00	\$13,500.00		\$344,500.00
Abbott Tree	Tree Removal	\$63,154.00	\$25,596.00	\$12,156.30	\$25,401.70
Michels's	Dewatering	\$300,000.00	\$174,600.00		\$125,400.00
Genco Industies	Mechanical	\$161,800.00	\$0.00		\$161,800.00
Trinity	Building	\$300,000.00	\$59,728.90	\$30,506.37	\$209,764.73
TOTAL LABOR AND MATERIAL INCLUDING EXTRAS* TO COMPLE		\$7,963,552.29	\$3,716,546.00	\$885,421.40	\$3,361,584.89

WAIVER OF LIEN - PARTIAL (LIMITED TO AMOUNT OF PAYMENT)

STATE OF Illinois

SS.

Lake County

January 5th, 2023

TO WHOM IT MAY CONCERN:

Whereas, we the undersigned Mid American Water of Wauconda, Inc.
have been employed by **TRINE CONSTRUCTION**
to furnish Water and Sewer Related Material
For the building known as Number Street,
City of **Holiday Hills** Situated on Lot
PROJECT: Le Villa Vaupell Sewer Extension
OWNER: Holiday Hills / Northern Moraine Wastewater Reclamation District
In Section , Township , Range
County of **Lake** , State of Illinois

Now, Therefore, Know Ye, That we the undersigned, for and in consideration
of the sum of **\$21,781.24** dollars paid simultaneously herewith, the receipt
whereof is hereby acknowledged by the undersigned does hereby waive and release to the
extent only of the aforesaid amount, lien rights to or claim of lien with respect to and on said
above described premise, and the improvements thereon, and on the monies or other
considerations due or to become due from owner, by virtue of said contract, on account of
labor, services, materials, fixtures, apparatus or machinery furnished by the undersigned to
or for the above-described premises, but only to the extent of the payment aforesaid.

Given Under *my* hand - and - seal this 5th
day of January 2023

Mid American Water of Wauconda, Inc.

Seal



SIGNATURE

Seal

WAIVER OF LIEN TO DATE

STATE OF ILLINOIS)
COUNTY OF KANE)

To Whom It May Concern:

WHEREAS the undersigned has been employed by Trine Construction Corporation

27W364 North Avenue, West Chicago, Illinois to furnish

Precast Concrete Structures, Pipe and Miscellaneous Construction Materials

for the premises known as Holiday Hills/Le Vaupell Sewer Extension Phase 1

located at Various Streets, Holiday Hills, McHenry County, Illinois

of which Northern Moraine Wastewater Reclamation District is the Owner.

The undersigned, for and in consideration of Thirteen Thousand Two Hundred Seven and 98/100ths

13,207.98 Dollars, and other good and valuable considerations, the receipt whereof is hereby
acknowledged, does hereby waive and release any and all lien or claim of, or right to, lien, under the statutes
of the State of Illinois, relating to mechanics' liens, with respect to and on said above-described premises,
and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on
the moneys, funds or other considerations due to date or to become due from the Owner, on account of all labor,
services, material, fixtures, apparatus or machinery, furnished to this date by the undersigned for the
above-described premises, INCLUDING EXTRAS*

*Extras include but are not limited to Change Orders, both oral and written, to the Contract.

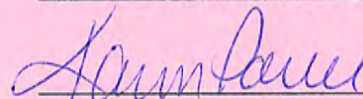
DATE: September 6, 2022

COMPANY NAME: Welch Bros., Inc.

STREET ADDRESS: 1050 St. Charles St., P. O. Box 749

City, State: Elgin, Illinois 60121-0749

SIGNATURE:



MUST BE SIGNED BY AN OFFICER OF THE COMPANY

PRINT NAME & TITLE:

Karen Powell, Chief Financial Officer



Partial Waiver of Lien

(Material Only)

State of Illinois)
) SS
County of McHenry)

TO WHOM IT MAY CONCERN:

WHEREAS, the undersigned is (Position) accounts receivable manager
of (Company Name) Reliable Sand & Gravel Co., Inc
which has been employed by _____ to
furnish gravel and accept clean fill for the premises known as LaVilla Vaupeil
Sewer Extension Phase I in the City of Village of Holiday Hills
the County of McHenry in the State of Illinois of which Northern
Moraine Wastewater Reclamation District is the owner.

The undersigned, for and in consideration of \$ 38680.80 dollars,
and other good and valuable consideration, the receipt whereof is hereby acknowledged,
do(es) hereby waive and release any and all lien or claim of, or right to lien, under the Statutes
of the State of Illinois, relating to Mechanics' liens on said above described building and/or
premises, and the improvements thereon, and on the monies, funds or other considerations
due or to become due from the owner, on account of labor, services, material, fixtures,
apparatus or machinery heretofore furnished to this date by the undersigned for the above
described building and/or premises.

Given under my hand, this 6 day of December, 2022

Signature/Title: Cheyenne Coates A/R manager

Address: P.O. Box 707

City, State, Zip: Island Lake, IL 60042

NOTE: All waivers must be for the full amount paid

05-1039-00

Gly # _____
Loan # _____

Notary:

WAIVER OF LIEN TO DATE

STATE OF (1) ILLINOIS)
) SS
COUNTY OF (1) KANE)

Project Name LA VILLAVAPPELL SEWER EXTENSION
PHASE 1

TO WHOM IT MAY CONCERN:

WHEREAS, the undersigned has contracted with (2) TRINE CONSTRUCTION CORP. to furnish
(3) CONSTRUCTION OF THE GENERATOR BUILDING for the premises known as
(4) 1532 SUNSET DRIVE HOLIDAY HILLS, IL 60051

The undersigned, for and in consideration of (5) \$30,506.37 Dollars
and other good and valuable consideration, the receipt of which is hereby acknowledged, does hereby waive and release any and all liens,
or claim of or right to liens, under the statutes of the State of ILLINOIS relating to liens of mechanics, laborers, and
materialmen with respect to and upon the foregoing described property and the improvements thereon, and with respect to any statutory
lien bond, and on the material, fixtures, apparatus, or machinery furnished, and on the moneys, funds, or other considerations due or to
become due from the Owner (or Contractor) on account of labor, services, material, fixtures, apparatus, or machinery furnished to this
date by the undersigned for the foregoing described property.

Signed this 7th day of November, 2022

Signature: [Signature]
Title: PRESIDENT

CONTRACTOR'S AFFIDAVIT

STATE OF (1) ILLINOIS)
) SS
COUNTY OF (1) KANE)

TO WHOM IT MAY CONCERN:

The undersigned, being duly sworn, deposes and says that it has contracted with (2) TRINE CONSTRUCTION CORP.
the Owner (or Contractor) for the premises known as (4) 1532 SUNSET DR. HOLIDAY HILLS IL 60051;
that the total cost of the work, including extras, is (7) \$ 235,224.77, on which the undersigned has
received payment of (8) \$ 59,723.90 for payment applications (9) 1 to 2 prior
to this requested payment; that all waivers submitted are true, correct, genuine, and delivered unconditionally, and there is no claim, either
legal or equitable, to defeat the validity of said waivers; that the following are the names of all parties who have furnished material or
labor, or both, for said work and all parties who have contracts or subcontracts for specific portions of said work or for materials for the
construction thereof, and the amount due or to become due to each party; and that the items mentioned include all labor and material
required to complete said work according to plans and specifications:

NAMES (include undersigned's portion of contract) (attach additional pages if necessary)	TYPE OF WORK	CONTRACT SUM	AMOUNT PAID	THIS PAYMENT	BALANCE DUE
<u>ROBERT FRANKLIN BUILDING</u>	<u>CARPENTRY</u>	<u>235,224.77</u>	<u>\$59,723.90</u>	<u>\$30,506.37</u>	<u>\$144,994.50</u>
<u>Trinity Construction</u>					
TOTAL (undersigned MUST complete this line)		(7)	(8)	(9)	(10)

that there are no other contracts outstanding for said work, and that there is nothing due or to become due to any person or entity for
material, labor, or other work of any kind or to be done upon or in connection with said work other than above stated.

Signed this 7th day of November, 2022.
Subscribed and sworn to before me this
7th day of November, 2022
Notary Public: [Signature]

Signature: [Signature]
Title: PRESIDENT





NORTHERN MORaine **W R D**

AGENDA ITEM #10E

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	Payment Request #1 – Screen Channel Upgrades
<u>Staff Recommendation:</u>	Motion to approve Pay Request #1 to Manusos General Contracting, Inc. for the Screen Channel Upgrades Project in the amount of \$53,460.00.
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

On December 22, 2022, the Northern Moraine Wastewater Reclamation District received pay application #1 on the Screen Channel Upgrades Project. Note that pay application #1 was reviewed and approved by the District, and a retention of \$5,490.00 was withheld for this pay request.

This first pay application is primarily for the demolition and installation that took place in late November 2022. To date, Manusos General Contracting, Inc. has completed the removal of the Rotamat screener and lowering of the new MS2 Bar Screen into the headworks.

Recommendation:

It is the recommendation of the District Manager to Approve Payment Request #1 for the Screen Channel Upgrades Project in the amount of \$53,460.00.

Votes Required to Pass:

Simple Majority, via a roll call vote

APPLICATION AND CERTIFICATE FOR PAYMENT

Conforms with The American Institute of Architects AIA Documents G702 & G703

AIA DOCUMENT G702 (Instruction on reverse side)
Northern Moraine Wastewater Reclamation District
113 Timber Trail
Island Lake, IL 60042
Manusos General Contracting, Inc
91 Christopher Way, Fox Lake, IL 60020

PROJECT: 420 Timber Trail
Screen channel
upgrades

Engineer: Trotter

CONTRACT: General

CONTRACTORS APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

APPLICATION NO 1
PERIOD TO: 12/31/2022
CONTRACT DATE 07/01/2022
CONTRACT

PAGE ONE OF 1 PAGES 3
Distribution to:
☐ Owner
☐ Engineer
☐ Contractor

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

1. ORIGINAL CONTRACT SUM \$80,000.00
2. Net Change by Change Orders \$
3. CONTRACT SUM TO DATE (Line 1 +/- 2) \$80,000.00
4. TOTAL COMPLETED & STORED TO DATE \$59,400.00
(Column G on G702)

5. RETAINAGE:
(Columns D + E on G703) \$5,940.00
b. % of Stored Material
(Column F on G703)
Total Retainage (Line 5a+5b or Total in Column I of G703) (\$5,940.00)
6. TOTAL EARNED LESS RETAINAGE \$53,460.00
(Line 4 less Line 5 Total)

CONTRACTOR:
By: [Signature]
State of: Illinois
County Of: Lake
Subscribed and sworn to before me this 22nd day of December 2022



Notary Public:
My Commission expires: [Signature]

CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT
(Line 6 from prior Certificate) \$
8. CURRENT PAYMENT DUE \$53,460.00

9. BALANCE TO FINISH, INCLUDING RETAINAGE
(Line 3 less Line 6) \$26,540.00

AMOUNT CERTIFIED \$53,460.00
(Attached explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

ARCHITECT:
By: _____ Date: _____
This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT.

containing Contractor's signed Certification, is attached

In tabulation below, amounts are stated to the nearest dollar.

Use Column 1 on Contracts where variable retainage for line items may apply.

Northern Moraine Screen Channel upgrades

Application One
Application date: 12/22/2022
Period to: 12/31/2022
ARCHITECTS PROJECT NO.

A	B	C	D	E	F	G	H	I	J
ITEM NO.	DESCRIPTION OF WORK	Scheduled Work	FROM PREVIOUS APPLICATION	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE (IF VARIABLE RATE)
1	Manusos Gen Cont. Bonds & Insurance	\$1,600.00		1,600.00		\$1,600.00	100%	\$0.00	
2	Manusos Gen Cont. Mobilization	\$4,500.00		4,500.00		\$4,500.00	100%	\$0.00	
3	Manusos Gen Cont. General Conditions	\$5,900.00		4,350.00		\$4,350.00	74%	\$1,550.00	
4	Manusos Gen Cont. Demolition	\$11,500.00		11,500.00		\$11,500.00	0%	\$0.00	
5	Ram Metal Works	\$9,950.00		9,950.00		\$9,950.00	100%	\$0.00	
6	Manusos Gen Cont. Install metals	\$9,100.00				\$0.00	0%	\$9,100.00	
7	Manusos Gen Cont. Install owner supplied	\$27,900.00		20,000.00		\$20,000.00	72%	\$7,900.00	
8	Submittal Exchange	\$1,600.00		1,600.00		\$1,600.00	100%	\$0.00	
9	Manusos Gen Cont OH & P	\$7,950.00		5,900.00		\$5,900.00	74%	\$2,050.00	
	Total	\$80,000.00	\$0.00	\$59,400.00	\$0.00	\$59,400.00	74%	\$20,600.00	\$0.00
	original	\$80,000.00							

WAIVER OF LIEN TO DATE-STATE OF: Illinois
COUNTY OF: Lake

Gty# _____

WHEREAS the undersigned has been employed by

Northern Moraine Wastewater Reclamation District

to furnish

Screen Channel Upgrades

for the premises known as

Northern Moraine Wastewater Reclamation District Wastewater Treatment Facility

of which

Northern Moraine Wastewater Reclamation District

is the owner.

The undersigned, in consideration of

FIFTY THREE THOUSAND FOUR HUNDRED SIXTY AND NO/10053,460.00

) Dollars, and other good and valuable consideration, the receipt whereof is hereby acknowledged, does(es) hereby waive and release any all lien or claim of, or right to lien, under the statutes of the State of Illinois, relating to mechanics' liens, with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus or machinery furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor, services, material, fixtures apparatus or machinery, furnished to this date, by the undersigned for the above described premises, INCLUDING EXTRAS*

12/22/2022

COMPANY NAME

MANUSOS GENERAL CONTRACTING, INC

ADDRESS

91 CHRISTOPHER WAY, FOX LAKE, IL 60020

SIGNATURE AND TITLE

Charlene R. Manusos, President

*EXTRAS INCLUDED BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN TO THE CONTRACT.

CONTRACTOR'S AFFIDAVITSTATE OF: Illinois
COUNTY OF: Lake

TO WHOM IT MAY CONCERN:

THE UNDERSIGNED, (NAME)

Charlene R. Manusos

BEING DULY SWORN, DEPOSES

AND SAYS THAT HE OR SHE IS (POSITION)

President

OF

(COMPANY NAME)

MANUSOS GENERAL CONTRACTING, INC.

WHO IS THE

CONTRACTOR FURNISHING

Screen channel upgrades

WORK ON THE BUILDING

LOCATED AT

420 Timber Trail, Island Lake, IL 60042

OWNED BY

Northern Moraine Wastewater Reclamation District

That the total amount of the contract including extras* is \$

80,000.00

on which he or she has received payment of

\$

-

prior to this payment. That all waivers are true, correct and genuine and delivered unconditionally and that there is no claim either legal

or equitable to defeat the validity of said waivers. That the following are the names and address of all parties who have furnished material or labor, or both for said work and all parties having contracts or subcontracts for specific portions of said work or for material entering into the construction thereof and the amount due or to become due to each, and that the items mentioned include all labor and material required to complete said work according to plans and specifications:

Names And Address	What For	Contract Price	Prev Paid	This Payment	Balance Due
Manusos General Contracting, Inc.	Labor, materials, misc., OH& P	\$ 70,050.00		\$ 43,510.00	\$ 26,540.00
Ram Metal Works	Metals	\$ 9,950.00		\$ 9,950.00	\$ -
TOTAL LABOR AND MATERIAL TO COMPLETE		\$ 80,000.00	\$	\$ 53,460.00	\$ 26,540.00

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or other work of any kind done or to be done upon or in connection with said work other than above stated.

DATE

22-Dec-22

SIGNATURE: _____

Subscribed and sworn to before me this

22-Dec-22

day of

NOTARY PUBLIC



NORTHERN MORaine W R D

AGENDA ITEM # 10F

<u>Meeting Date:</u>	January 10, 2023
<u>Item:</u>	Semi-Annual Review and Approval of the District's Strategic Plan
<u>Staff Recommendation:</u>	Motion to Review and Adopt the Strategic Plan
<u>Staff Contact:</u>	Mohammed M. Haque, District Manager

Background:

The Board adopted the District's first Strategic Plan at the August 2013 Board meeting, following several workshop meetings. In order to assure that the Strategic Plan remains relevant and that the District works to achieve the stated goals within that plan, it was determined to review the plan on a semi-annual basis, at the same meeting that executive session minutes are reviewed. The Strategic Plan was last revised in July of 2021 and last reviewed at the August 2022 Board Meeting. Following is a brief summary of advancements made in achieving the stated goals of the plan to date, with updates. In addition, we have attached the current Strategic Plan.

2022

- Secured a \$2,500,000 million grant from Congresswoman Lauren Underwood for Holiday Hills
- Secured a \$250,000 grant from Senator Dick Durbin for Generator Replacement at treatment plant.
- Collected over \$200,000 to date for the Darrell Road Special Connection Fee, allowing for continued engineering, grant funding efforts and planning costs.
- Collecting over \$70,000 this year in septage receiving wastes, a new revenue source for the District
- Restructured District staffing successfully and hired new Engineer and 2 new Engineering Interns after departure of Plant Superintendent and 2 Interns. Transition has been very smooth and very successful.
- Successfully onboarded 3 new operators, including one Class 1 operator, to bring our Operations staff to 5. Transitioned one part time lab tech to a full-time operator.
- Participated in Port Barrington's Riverfest with great public engagement.
- Selected a new billing software and currently implementing.
- Hired a new Clerk and prepared for a smooth transition for the upcoming District Clerk retirement
- Started new Screen Channel Upgrades, Control Building Electrical Upgrades, Lakemoor Lift Station Upgrades projects.
- Carefully managing Holiday Hills project with 85% constructed to date.
- Applied for new grants for Darrell Road, CDBG, Unsewered Community Grant and getting ready for new Illinois Capital Bill funding requests.
- Purchased Polymer skid to replace severely outdated unit.
- Hauled Waste Permit Renewals for 2023 with no lapse in permitted coverage.
- Director of Operations Joe Lapastora's graduation of the Duke WILD Fellowship.

- Continue to maintain essential operations during the ongoing pandemic. Adjusted schedules, work environments, technology and communication methods gracefully to ensure that the District provided uninterrupted essential services for all of our customers and communities.
- Coordinated a well-received PR event for the groundbreaking ceremony at Holiday Hills. Started Holiday Hills project after 30 years of trying to implement. Secured \$5.3 million in loans v IEPA low interest SRF and \$3.5 million in Unsewered Community Grants. Hired a construction inspector in





NORTHERN MORaine W R D

lieu of Trotter Resident Engineer, saving the District in excess of \$150,000 in resident engineering expense.

- Secured a \$100,000 grant from McHenry Community Development Block Grant for Holiday Hills
- Put custom televising vehicle to use.
- Implemented Cartegraph asset management system for use in collection system maintenance.
- Acquired new vehicle for use during Holiday Hills sewer project in a time when new vehicles are in very short supply.
- Crossed-trained Operations staff in laboratory duties.
- Completed Paving Improvements. Improved and extended western access road at Treatment Plant.
- Replaced Return Activated Sludge (RAS) pump station control panel with horrific electrical arrangement with standardized SCADA control panel.
- Successfully navigated OSHA inspection and compliance requirements.
- Secured three free automatic samplers via WEF grant to assist in COVID surveillance.
- Implementation of COVID surveillance sampling in coordination with Illinois Department of Public Health (IDPH) and University of Illinois at Chicago.
- Pilot of Smartcover technology to monitor collection system flow trends.
- Staff Engineer Joe Lapastora's selection for Young Professional of the Year by Central States Water Environment Association.
- Construction of campsite and procurement of RV to provide temporary housing for summer intern during time of limited temporary housing availability.
- Ramped up Septage Receiving, on target to double revenues over the previous year.
- Purchased backup sludge conveyor.
- Article covering the history and current state of the District featured in Central Waters quarterly publication.

2021

- Further reduced the property tax burden on residents by again lowering the tax levy by 10.1% for the 2021-22 tax year. This is the tenth year in a row that the District has lowered its tax levy with the 2021-22 levy \$325,823 less than the 2010-11 levy, representing a 78.4% decrease.
- Developed and launched a public relations sewer televising van and initiated televising for the District. Saved over \$100,000 by developing the van in house and retrofitting an existing Ford Transit.
- Replaced a 200hp blower motor that failed due to poor grounding and safeguarded the new motor against the same failure.
- Replaced fluorescent lighting in Laboratory and MCC Hallway of Control Building with energy efficient LEDs.
- Replaced the RAS control panel with one equipped for SCADA and operator safety engineered into layout.
- Repainted South Clarifier cover
- Repainted aerator covers on Oxidation Ditch
- Completed the emergency repair of the North Clarifier utilizing a value engineering and in-house construction management approach that saved the District \$1.3 million based on the original engineer's estimate.
- Secured a \$200,000 grant for the Control Building Electrical Upgrades
- Secured a \$400,000 grant for the Lakemoor Lift Station Upgrades
- Secured a \$3,500,000 grant for the Holiday Hills / La Villa Vaupel Sewer Extension.
- Initiated design engineering and public relations on the Holiday Hills project utilizing team of legislative, marketing and engineering consultants. Negotiated \$55,000 in engineering fees.





NORTHERN MORaine W R D

- Installed remote monitoring and control for gate openers at treatment plant and keyless entry. Gave all employees proper access.
- Fabricated our own chemical skids for disinfection feeds.
- Replaced a failed digester drain valve that required the emptying of 500,000 gallons of sludge with no interruptions to plant operations. In February!
- Installation of sludge cleanout and emergency dewatering port.
- Replaced 2 out of 4 aging aerator motors on the Oxidation Ditch
- Made the front page of the NW Herald with positive PR for the District.
- Received CSWEA Treatment Plant Operations Award for State of Illinois. Made the NW Herald with additional positive PR for the District.
- Developed a virtual facility tour for public viewing.
- Installation of new sludge conveyor at SIGNIFICANTLY lower cost than conventional means that reduces personnel hours required to manually move sludge. Estimated at least 104 hrs. reduction per year based off of 4 hrs every two weeks in previous arrangement. That's a week and a half that would have normally been spent driving the loader back and forth at the plant!
- Remote monitoring of dewatering operations.
- Installation of WiFi access points throughout treatment plant.
- All operations staff and staff engineer certified in NASSCO sanitary sewer and manhole structure assessment.
- Installation of an inline mag-meter on our RAS pipeline.
- Successful pilot of rooftop garden planters.
- Established and implemented a Capacity, Maintenance, Operations, Management (CMOM) plan for the District's sewers. Established Sewer Cleaning & Televising basins and maintenance cycle.
- Implemented the new computerized maintenance management and asset management system software, Cartegraph.
- Established and implemented a Phosphorus Discharge Optimization Plan (PDOP).
- Integrated two engineering interns for summer work and career advancement.

2020

- Further reduced the property tax burden on residents by again lowering the tax levy by 16.4% for the 2020-21 tax year. This is the tenth year in a row that the District has lowered its tax levy with the 2020-21 levy \$296,052 less than the 2010-11 levy, representing a 74.8% decrease.
- Coordinated the work and legal issues related to the Lily Lake Road project by Nunda Township
- Applied for three IDES grants. (1) Fast Track grant for Darrell Road Phase 1; (2) Infrastructure Grant with Village of Lakemoor for Darrell Road – All Phases and (3) Special grant for \$200,000 assistance for Control Building Electrical Upgrades. Working to get two of these grants released for projects.
- Implemented a Darrell Road Interceptor Sewer Connection Fee for the capital costs to initiate the project.
- Developed and implemented a Septage receiving program and are on our way to generating \$40,000 in alternate source revenue for 2020.
- Developed a CMMS program, as required by our NPDES Permit, to ensure that the District's collection system is properly maintained and managed. Initiated the preventative maintenance portions of the program and ramping up for major in-house cleaning and televising. Purchased van and getting converted and staff trained for this function.
- Procured a new used Vactor for use in the CMMS program.
- Replaced old Chevy with major maintenance costs with a new Ford F-250.
- Replaced two Gators with newer used Gators with cabs for climate control.
- Procured skid steer for use on sludge moving and grading work around the plant, etc.





NORTHERN MORaine W R D

- Procured a new Influent Headworks MS2 bar screen to upgrade equipment at the end of useful life.
- Accepted Savannah's of Lakemoor subdivision extension and started permitting of new homes.
- Accepted Woodman's sewer and distributed over \$900,000 of loan funding to Village of Lakemoor for the underground sewer costs.
- Developed and launched new website.
- Procured and installed new control panels in the Control Building, Oxidation Ditch, Dewatering Building and Chemical Building as part of our plant automation and modernization plans.
- Permitted paving plans for the treatment plant and initiated project to be completed in conjunction with the North Clarifier Repairs.
- Installed new Sludge Drying Bed Cover
- Finalizing a Hyper Ion Phosphorus removal system located in the dewatering building with appropriate spill containment and metering pumps.
- Remodeled the chemical building to provide better safety, filling and venting of Sodium Hypochlorite and Bisulfite chemicals used for disinfection.
- Pulled remaining fiber optics and terminating around the plant.
- Completed a radio path study for wireless SCADA for lift stations.
- Initiated a faster process for lien filings to ensure that District's bills do not get removed due to foreclosure, etc.
- Hired additional operations staff while maintaining the excellent culture we have built to date.
- Worked state-wide and nationally on funding initiatives for wastewater infrastructure funding. Anticipate that over \$50 billion will be available in wastewater grants through federal and state efforts in the near future. Ensured that several District projects are ready to take part in potential funding opportunities.

2019

- Successfully hosted 50th Anniversary open house, providing an opportunity for our state legislators and public to see what we do and understand the wastewater treatment and resource recovery process and the progress we have made at the District.
- Changed the culture at the District to be more proactive and open. Staff have taken ownership of the District and work with passion and desire to do a good job and be good stewards of the assets we have to manage and maintain for the benefit of the public and our residents.
- Completed the majority of flood proofing of the vulnerable treatment plant facilities and reconfiguring generator as recommended in the Facility Plan update. Flood proofing and generator reconfiguration have prepared the District for enhanced threats brought on by climate change. The work was completed with savings of over \$100,000 below the engineer's estimate. The savings is being used to make additional, much needed, upgrades on the control building, including LED exterior lighting, façade replacement, replacement of several rusted out doors, etc.
- Completed the installation of a new immersible raw pump and inline magnetic flow meter, providing more accurate flow measurements and the ability to continue pumping sewage in the event of flooding in the basement of the control building.
- Bid and Installed channel grinder in the wet well directly before the rotating drum screen, greatly reducing the blinding of the screen and the associated issues with it.
- Implemented a new source of revenue with Septage Receiving. Enacted an ordinance and started to receive septage at plant with proper manifesting and lab testing.
- Removed the old belt filter press and converted the pit to a storage area for the Phosphorus Removal System. Removed all of the old electrical for belt filter press and cleaned up controls to work with centrifuge only, greatly simplifying the electrical in the building.





NORTHERN MORaine W R D

- Moved sludge conveyor to exit the dewatering building and dump directly into the adjacent sludge drying bed. The new system, once fully completed will greatly increase our efficiency in sludge handling and dewatering operations.
- Purchased and installed self-cleaning filter on the non-potable water system, greatly reducing the amount of time spent on cleaning nozzles on the existing equipment using the non-potable water. Painted all exterior NPW piping and hydrants.
- Upgraded to and installed LED lighting in control room of control building, greatly reducing our energy consumption for lighting this room.
- Successfully closed out the Deer Grove North subdivision extension. Entered maintenance period.
- Successfully launched District GIS parcel map for customer use.
- Automated the collection and conversion of data from plant rounds, lab and lift station rounds to be auto-logged into a spreadsheet. This greatly reduced the duplication of data entry and time required for this.
- Sold off numerous surplus equipment, including old electronics stored for many years as well as the old F-550 chassis.
- Installed security Nest cameras at the plant and office, allowing for remote monitoring and security at the District office and plant. Installed new outdoor wireless access points at the plant.
- Removed and replaced the deteriorating roof on the dewatering building.
- Purchased two new vehicles to replace aging equipment. F-250 work truck and a new crane truck, utilizing the old crane.
- Procured and replaced a sludge pump with a new progressive cavity pump manufactured by Borger.
- Updated operations practices to save energy, including shutting down some aerators from time to time and turning off lab equipment not being used.
- Installed turfstone in the southwest sludge drying bed and removed the divider in preparation for a new Clearspan cover and storage area for sludge. Turfstone is now installed in all western sludge drying beds, greatly reducing the damage caused when we haul out sludge and move it around.
- Installed potable water to dewatering building and replaced some non-functioning yard hydrants.
- Installed gutter drain from dewatering building to drain to the north.
- Procured and installed two Rotork actuators to automate the wasting process.
- Procured and installed Projector, Screen, and Connectivity in Board Room
- Procured and installed automatic greasers on the aerators, greatly reducing manual time to grease aerator bearings and ensuring a consistent grease level in all bearings.
- Completed the District office internal remodel, modernizing the space and making workspaces more efficient and user-friendly with updated computers, monitors and desks.
- Reduced the District's sewer user bill delinquency rate to less than 2.1% of revenues. In 2011 the delinquency rate exceeded 13% of revenues.
- Went out for proposals for the audit and changed auditors. Successfully completed the first audit with the new auditors.
- Performed an appraisal by CBIZ of the District assets that accurately reflect our valuation.
- Successfully refinanced our 2010 General Obligation bonds, saving the District close to \$300,000 in interest over the term of the debt.

2018

- Completed the 2017 Lift Station rehabilitation project, modernizing Lift Station 6 and 7 in Lakemoor and add generators at Lift Station 6 in Lakemoor and the Rolling Oaks Lift Station in Island Lake.
- Completed the first and second phase of a Supervisory Control and Data Acquisition System (SCADA), providing for full time remote monitoring of the Hale 1&2 Lift Stations, Lift Stations 6 and 7 as well as the RAS station and Raw Pumps at the treatment plant.





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- Successfully hired highly qualified personnel for the positions of Assistant Clerk, Superintendent, Operator, Lab Tech and Junior Engineer. Promoted the existing Assistant Clerk into the position of District Clerk for a smooth transition and enhanced District business operations.
- Initiated the project to install District plant process automation and greater technology utilization.
- Completed the McHenry DOT project to replace portions of the District's force main at Dowell and River Road.
- Upgraded the District's file server to provide for a better system and more enhanced backup functionality.
- Implemented a Centralized Maintenance Management System for greater operations work order processing, asset management and task management.
- Upgraded District's business systems such as phone, internet, cellular, etc. to provide for greater connectivity and better technology utilization.

Prior to 2018 (only relevant items)

- Adopted new banking resolutions to achieve consolidated banking services and provide for expected future needs.
- Adopted post-bond issuance policies to support best management practices, sound business principles and transparency.
- Adopted updated investment and fiscal operations policies to support best management practices and sound business principles.
- Completed the Digester Rehabilitation project, further enhancing facility operations supporting the value of enhancing efficiencies.
- Accepted a significant grant award and received \$98,903 from the Illinois Clean Energy Community Foundation that has resulted in a significant reduction in energy costs supporting the value of providing services at the lowest reasonable cost.
- Developed a comprehensive Capital Improvement Plan (CIP) to support the goal of employing best management practices for facility and equipment renewal.
- Enhanced transparency through the posting of all District budgets, appropriations ordinances, annual audits and treasurer's reports to the District's website and other reporting agencies.
- Adopted a revised user rate model that will achieve the goal of full cost pricing within five years, assuring a highly sustainable utility.
- Established written policies and procedures for all fiscal activities, defining internal controls and the separation of duties.
- Successfully transitioned to monthly billing making it easier for families to budget for and pay for services.
- Initiated electronic processing of sewer bill payments received by check through the use of image cash letter deposits vastly reducing the processing burden on staff.
- Initiated a discount process for sewer users who pay in advance, so discount applies when no sewer bill is required to be produced or delivered.
- Completed a screen replacement and blower addition project that replaced an existing influent screen that has reached the end of its service life and provided a new high efficiency blower that will reduce electrical use.
- Created a directory of resources for customers facing financial hardships.
- Completed the extension of a new force main to extend sewer service to the Lakes Region Business Rentals property and provide for additional service to the east.
- Entered into a two party IGA with the Lakes Region Sanitary District strengthening the existing boundary agreement, while supporting the Village of Lakemoor's economic development and business retainage efforts.
- Completed the installation of VFD's for the treatment plant aerators for energy and cost savings.





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- Completed the installation of two on-site standby generators at the Waterford and Lift Station #1 stations to insure uninterrupted service during power outages.
- Completed a major update to the District's Facility Plan that will act as a guide to the development, meeting new effluent standards and enhancing sustainability for the next twenty years. This plan was accepted by the Board at the June 2015 meeting.
- Implemented an innovative treatment process wherein the collection system is injected with bacteria in multiple locations to reduce FOG, H2S and influent BOD, resulting in lowered operating, energy and sludge handling costs.
- Expanded lab capabilities so that newly required nutrient monitoring requirements can be conducted in-house rather than being completed by a private lab, reducing costs.
- Entered into an agreement with the Lakes Region Sanitary District that facilitated Fratello's Hot Dogs to receive sanitary sewer service.
- Replaced standby generators at the Fern and South Shore Lift Stations with new units better suited for powering lift station pumps via VFD Controllers.
- Developed and implemented an "office safety plan" to better protect administrative staff at times when only one individual is on duty.
- Conducted smoke testing in the area of Lift Station #1 in Lakemoor to pinpoint and remove sources of rainwater inflow and infiltration.
- Installed a "cross-over" pipe between the two digesters to better control liquid operating levels to maximize aeration efficiency.
- Installed a VFD system for the return activated sludge pumping station to better match flows, reduce energy use, and start/stop wear on pumps and equipment.
- Completed the 2015 Lift Station Rehabilitation project, providing for the renewal of the Hale 1 lift station and adding a stand-by generator to the facility and modification of four additional stations to provide for a wider selection of replacement pumping equipment.
- Obtained professional IT Services for continuous monitoring of computer security, performance and updates and provide for business recovery in the event of a system failure or disaster.
- Completed the conversion process of the utility billing program to a robust, commercially available program that will interface with QuickBooks and provided additional value, such as electronic billing of customers.
- Worked with the State of Illinois Records Management Section to develop an ongoing records disposal program allowing for the disposal of records on a pre-authorized, scheduled basis.
- Completed the purchase and cleared the property at 4315 Roberts Road of potential hazards for the future use for the routing of a main sewer interceptor, compensatory storage of storm water needed with a future plant expansion and frontage for a future office building.
- Completed the replacement of a failing retaining wall at the treatment plant.
- Completed the 2016 Lift Station Renewal project, which resulted in the complete renovation of the Hale 2 Lift Station, including adding a stand-by generator, pumping equipment upgrades at the Waterford Lift Station and modifications to several other stations.
- Updated and upgraded the District's sewer televising equipment allowing for assessment of larger size sewers and digital archiving of televising records along with incorporating those records into the full system-televising database created by RedZone.
- Developed comprehensive and detailed standard operating procedures (SOPs) for all of the District's business functions in order to provide for continuity of operations.
- Completed relining of two manholes that receive the discharge of the Port Barrington low pressure sewer system, repairing damaged caused by hydrogen sulfide and preventing further damage.
- Adopted a new employee health insurance policy that requires new employees to contribute to the cost of insurance for dependent coverage.





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- Enhanced the District's ability to attract and retain high performing employees by becoming an IMRF employer. Being a non-IMRF employer resulted in being unable to attract candidates to the District.

Recommendation:

It is staff's recommendation to review and adopt the Strategic Plan

Votes Required to Pass:

Simple Majority, via a Roll Call Vote



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NorthernMoraineWastewaterReclamationDistrict

Mission Statement

The mission of the District is to protect public health and preserve the environment by reclaiming precious water and other resources through providing wastewater collection and treatment services to communities and residents within the service area.

Vision Statement

It is the vision of the District to maintain a sustainable municipal wastewater utility while expanding service to those communities and residents within the service area in a cost effective and environmentally sound manner while minimizing social impacts.

Values Statement

- The District provides sound business operations.
- The District protects public health and the environment through providing effective wastewater services within the service area.
- The District provides for the fair and equitable application of policies, ordinances and business practices to its residents and customers.
- The District provides strategic planning for current and future wastewater needs within the service area.
- The District consistently seeks to find more effective and efficient cost savings processes to provide the best possible service at the lowest reasonable cost.
- The District seeks to expand efficiencies through cooperating with other units of local government including municipalities and sanitary districts within the region.
- The District treats its customers with dignity and respect.
- The District is committed to having a highly sustainable utility.

Goals and Objectives

- Employ best management practices for facility and equipment renewal.
- Achieve full cost pricing for all services provided.
- Employ sound business principles.

Approved January 2015

Last Modified: July 13, 2021

- Support the economic development of the communities served through the extension of sanitary sewer services while maintaining a sustainable business model for the District.
- Extend sanitary sewer services to communities not currently served, such as Holiday Hills and Burtons Bridge, while maintaining a sustainable business model for the District.
- Become the example of good governance for other local units of government.
- Meet all applicable regulations for water quality and the administration of the District.
- Maintain robust fiscal operations, programs and partners to support business efficiency, continuity and recovery.
- Promote electronic and paperless billing processes to enhance efficiencies.
- Enhance all facets of District operations through employee development.
- Promotes transparency through posting budgets, appropriations ordinances and other fiscal information to the District's website.
- Provide public education on the social and economic value provided by the District through expanded avenues of communication and tours for the general public.

Internal Relationships:

- Maintain a culture of fairness, mutual respect and appreciation between the Board and District staff.
- Attract and retain high performing staff members.
- Become the employer of choice within the wastewater field.
- Maintain effective two-way communication of the District goals, objectives and expectations between the Board and District Staff.
- Maintain mutually beneficial relationships and effective communication with key appointed professionals including the District's Engineer and Attorney.

External Relationships:

- Facilitate open communication with elected officials and the District's appointing authorities.
- Maintain professional, cooperative and supportive relationships with the communities served.
- Cooperate with other jurisdictions and regulatory bodies.
- Provide exceptional customer service to the District's residents.

SWOT Analysis

Strengths:

- The District is served by a highly engaged Board committed to the best interests of the District.
- The District is served by a dedicated staff.
- The District operates under generally stable economic conditions, without burdens facing many units of local government, such as outstanding pension obligations.
- The District maintains a good bond rating.
- The District's facilities are relatively modern and the District is not burdened with highly outdated technology operating beyond its service life.
- The District has completed a comprehensive condition evaluation of the entire collection system which will facilitate accurate planning for operation, maintenance and renewal needs.
- The District's service area is largely undeveloped providing ample opportunities for carefully planned growth.
- The District maintains an excellent record of compliance with all applicable standards and requirements.

Weaknesses:

- The District has limited revenue streams and is mainly reliant on user fees.
- The District must rely on other entities to enforce collection activities.
- The District, like most units of local government, is greatly impacted by the periodic economic downturn which require it to reset development goals and objectives.
- Facility upgrades and renewals planned to be completed with phased expansions have not been undertaken due to lack of development.
- Some Intergovernmental Agreements, (IGAs) provide more benefit to others rather than the District.

Opportunities:

- Very large undeveloped area, prime for development along commercial corridors.
- Pending ability to complete a fully comprehensive Capital Improvement Plan based on an ongoing system evaluation.

- Ability to develop a highly defensible full cost of service rate plan based on factual data developed via a full system condition assessment.

Threats

- Potential for litigation resulting in high legal fees and exposure to precedent setting judgments.
- New regulatory requirements for nutrient removal will result in higher treatment cost and facility upgrades.
- Economic downturn and lack of development resulting in limited connection fees and a static customer base.
- Pressure to reduce tax levy by legislators and taxpayers.
- Pending action to limit or make obtaining alternate revenue bonds more difficult.
- Political efforts to force consolidation of services, combining local units of government in the name of efficiency.
- Competing interests of Villages served for limited remaining capacity of collection system in the area of Route 176 & River Road.
- Outside agency's projects causing unplanned and significant costs to District for relocating facilities with no resulting benefit to the District.
- Budgetary burdens for employee health insurance.

- Climate change with predicted and experienced increased frequency and severity of severe weather events.

Northern Moraine Wastewater Reclamation District

Unpaid Bills

As of January 6, 2023

Type	Date	Num	Due Date	Open Balance
ACE HARDWARE OF LIBERTYVILLE INC				
Bill	12/21/2022	110230/8	01/20/2023	16.17
Total ACE HARDWARE OF LIBERTYVILLE INC				16.17
AEP ENERGY				
Bill	12/19/2022	30144...	12/19/2022	5,711.43
Bill	12/19/2022	30144...	12/19/2022	83.98
Bill	12/19/2022	30144...	12/19/2022	204.93
Bill	12/19/2022	30144...	12/19/2022	33.10
Bill	12/20/2022	30144...	12/20/2022	81.68
Bill	12/20/2022	30144...	12/20/2022	37.50
Bill	12/20/2022	30144...	12/20/2022	101.87
Bill	12/20/2022	30144...	12/20/2022	245.46
Bill	12/20/2022	30144...	12/20/2022	56.87
Bill	12/20/2022	30144...	12/20/2022	101.62
Bill	12/20/2022	30144...	12/20/2022	111.82
Bill	12/21/2022	30144...	12/21/2022	51.49
Total AEP ENERGY				6,821.75
AMAZON CAPITAL SERVICES				
Credit	12/30/2022	1W7H-...		-13.35
Bill	12/13/2022	1L1X-K...	01/12/2023	63.84
Bill	12/14/2022	1VXK-...	01/13/2023	768.00
Bill	12/14/2022	14GK-...	01/13/2023	13.35
Bill	12/15/2022	1DVX-...	01/14/2023	256.94
Bill	12/15/2022	1PV7-...	01/14/2023	505.58
Bill	12/15/2022	1FRJ-9...	01/14/2023	458.56
Bill	12/15/2022	14MP-...	01/14/2023	38.53
Bill	12/15/2022	1RLD-...	01/14/2023	46.32
Bill	12/15/2022	1YCV-...	01/14/2023	57.59
Bill	12/18/2022	1TVK-...	01/17/2023	139.99
Bill	12/21/2022	1RJM-...	01/20/2023	151.62
Bill	12/23/2022	1TGF-...	01/22/2023	69.90
Bill	12/27/2022	1MGK-...	01/26/2023	28.80
Bill	01/02/2023	1MRM-...	02/01/2023	31.99
Total AMAZON CAPITAL SERVICES				2,617.66
ASSURED PARTNERS				
Bill	12/30/2022	NORT...	01/29/2023	3,510.00
Total ASSURED PARTNERS				3,510.00
AT&T				
Bill	01/04/2023	81534...	01/04/2023	1,461.77
Total AT&T				1,461.77
BITSPEED CONSULTING, INC				
Bill	12/31/2022	11926	01/30/2023	508.00
Total BITSPEED CONSULTING, INC				508.00
CHEMTRADE CHEMICALS CORPORATION				
Bill	12/14/2022	93466...	12/14/2022	8,243.68
Total CHEMTRADE CHEMICALS CORPORATION				8,243.68
COM ED				
Bill	12/28/2022	57980...	02/26/2023	338.30
Total COM ED				338.30
COMCAST CABLE				
Bill	12/28/2022	Januar...	12/28/2022	357.06
Total COMCAST CABLE				357.06
DLT SOLUTIONS, LLC				

Northern Moraine Wastewater Reclamation District
Unpaid Bills
As of January 6, 2023

Type	Date	Num	Due Date	Open Balance
Bill	09/06/2022	SI5782...	10/06/2022	1,830.03
Bill	10/31/2022	SI5854...	11/30/2022	3,355.06
Total DLT SOLUTIONS, LLC				5,185.09
EUROFINS TESTAMERICA				
Bill	01/05/2023	16000...	01/05/2023	307.50
Total EUROFINS TESTAMERICA				307.50
FEDEX				
Bill	11/09/2022	7-941-...	11/09/2022	12.95
Total FEDEX				12.95
FILIPPINI LAW FIRM, LLP				
Bill	12/30/2022	22021	01/29/2023	3,294.50
Total FILIPPINI LAW FIRM, LLP				3,294.50
FIRST BANKCARD				
Bill	01/04/2023	DEC S...	02/03/2023	3,958.63
Total FIRST BANKCARD				3,958.63
GRUNDFOS WATER UTILITY INC				
Bill	12/22/2022	19003...	01/21/2023	1,949.57
Total GRUNDFOS WATER UTILITY INC				1,949.57
IN-PIPE TECHNOLOGY				
Bill	12/31/2022	2245	01/30/2023	1,500.00
Total IN-PIPE TECHNOLOGY				1,500.00
LOU'S GLOVES				
Bill	12/22/2022	051384	01/21/2023	965.00
Total LOU'S GLOVES				965.00
MADALINA ROSCAN				
Bill	01/04/2023	Tuition ...	01/04/2023	652.00
Total MADALINA ROSCAN				652.00
MANUSOS GENERAL CONTRACTING INC.				
Bill	12/31/2022	PAYM ...	01/30/2023	53,460.00
Total MANUSOS GENERAL CONTRACTING INC.				53,460.00
MCHENRY COUNTY RECORDER OF DEEDS				
Bill	03/29/2022	ORD 2...	04/28/2022	43.00
Total MCHENRY COUNTY RECORDER OF DEEDS				43.00
MILLIPORE SIGMA				
Bill	12/15/2022	10672...	12/15/2022	135.54
Total MILLIPORE SIGMA				135.54
MR OBAI JABRI				
Bill	12/30/2022	SHIPPI...	12/30/2022	244.95
Total MR OBAI JABRI				244.95
MS. ELISA FISHER				
Bill	01/03/2023	REIMB...	01/03/2023	92.25
Total MS. ELISA FISHER				92.25
NICOR GAS				
Bill	12/12/2022	56-12-...	12/12/2022	59.71
Bill	12/12/2022	35-71-...	12/12/2022	52.16

Northern Moraine Wastewater Reclamation District
Unpaid Bills
As of January 6, 2023

Type	Date	Num	Due Date	Open Balance
Bill	12/13/2022	46-90-...	12/13/2022	170.30
Total NICOR GAS				282.17
NORTH SHORE WATER RECLAMATION DISTRICT				
Bill	12/21/2022	MISC0...	12/21/2022	800.00
Total NORTH SHORE WATER RECLAMATION DISTRICT				800.00
PACE ANALYTICAL SERVICES				
Bill	12/16/2022	I9539859	01/15/2023	136.84
Bill	01/06/2023	I9540753	02/05/2023	144.82
Total PACE ANALYTICAL SERVICES				281.66
RCW TAX				
Bill	01/05/2023	1130	02/04/2023	924.00
Total RCW TAX				924.00
READY FRESH BY NESTLE				
Bill	12/22/2022	02K01...	01/06/2023	209.87
Total READY FRESH BY NESTLE				209.87
SHAW MEDIA				
Bill	12/31/2022	12221...	01/30/2023	66.42
Total SHAW MEDIA				66.42
SUBURBAN LABORATORIES INC				
Bill	12/15/2022	209675	01/14/2023	539.45
Bill	12/28/2022	209970	01/27/2023	110.50
Total SUBURBAN LABORATORIES INC				649.95
TESSCO TECHNOLOGIES INC				
Bill	12/21/2022	124769	01/20/2023	1,760.96
Total TESSCO TECHNOLOGIES INC				1,760.96
TRINE CONSTRUCTION CORP.				
Bill	01/06/2023	8TH P...	01/06/2023	344,750.46
Total TRINE CONSTRUCTION CORP.				344,750.46
TRYON GOVERNMENTAL CONSULTING				
Bill	12/27/2022	1341	01/26/2023	3,000.00
Total TRYON GOVERNMENTAL CONSULTING				3,000.00
VERIZON				
Bill	12/18/2022	99232...	01/17/2023	1,693.04
Total VERIZON				1,693.04
VIKING CHEMICAL COMPANY				
Bill	12/22/2022	139553	01/21/2023	1,402.50
Total VIKING CHEMICAL COMPANY				1,402.50
TOTAL				451,496.40