

PLEASE NOTE: This meeting will be held in person and online. The public can come in person or watch/listen to this meeting online in one of 3 ways:

- 1) Go to the city's You Tube channel, "<https://www.youtube.com/NewLondonAccess>" and click on the "live" feed video link to watch the meeting. **-OR-**
- 2) You can watch the meeting via the zoom app. Go to the following link to download and watch via the zoom app: <https://us02web.zoom.us/j/8696036324?pwd=azBEeWZTbGppTG0yckZycHYzUzQwZz09> You will be asked to download and install the zoom app on your computer or phone and provide your name and email address. **-OR-**
- 3) You can listen to the meeting over the phone by calling one of the following numbers:
1-929-205-6099, 1-301-715-8592, 1-253-215-8782, 1-346-248-7799, 1-699-900-6833, 1-312-626-6799
You will be asked to enter in a meeting ID of: **869 6036 3246**, then push #
You may be asked for a participate ID, do not put in a number, just hit #
You will be asked to enter in a password of **668406**, then #

MEETING NOTICE OF THE NEW LONDON BOARD OF PUBLIC WORKS

Tuesday, September 7th, 2021
4:30 p.m.

Council Chamber, New London Municipal Building

AGENDA

1. Call meeting to order, Adopt Agenda
2. Public Input
3. Wastewater Treatment Plant Updates
4. Approve proposal from Speedy Clean in the amount of \$23,260 for sanitary sewer lining
5. Consider for purchase replacement WWTF pumps in the amount of \$4,946
6. Recommend to council an Ordinance adjusting sewer rate fees
7. Review of proposed Public Works and WWTF 2022 Budgets
8. Review bids for annual asphalt patching contract
9. Discussion on street/sidewalk typical widths for the 2024 Downtown reconstruction projects
10. Approve agreement with WE energies to install gas main service along Frederick Farm Ln
11. Director's Report
12. Future Agenda Items
13. Discuss/confirm next meeting date: Monday, October 4th 2021 at 4:30 p.m.
14. Adjournment

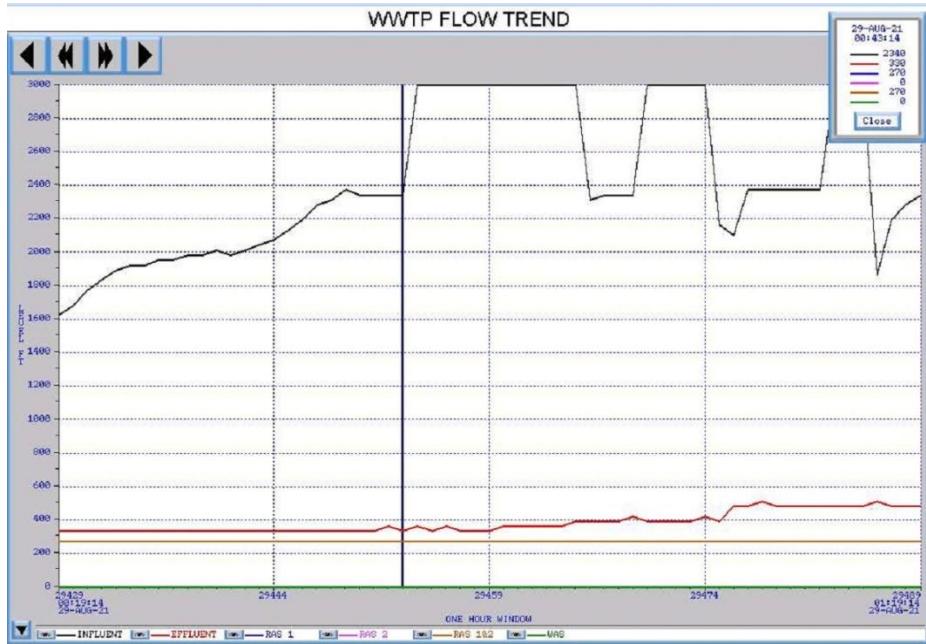
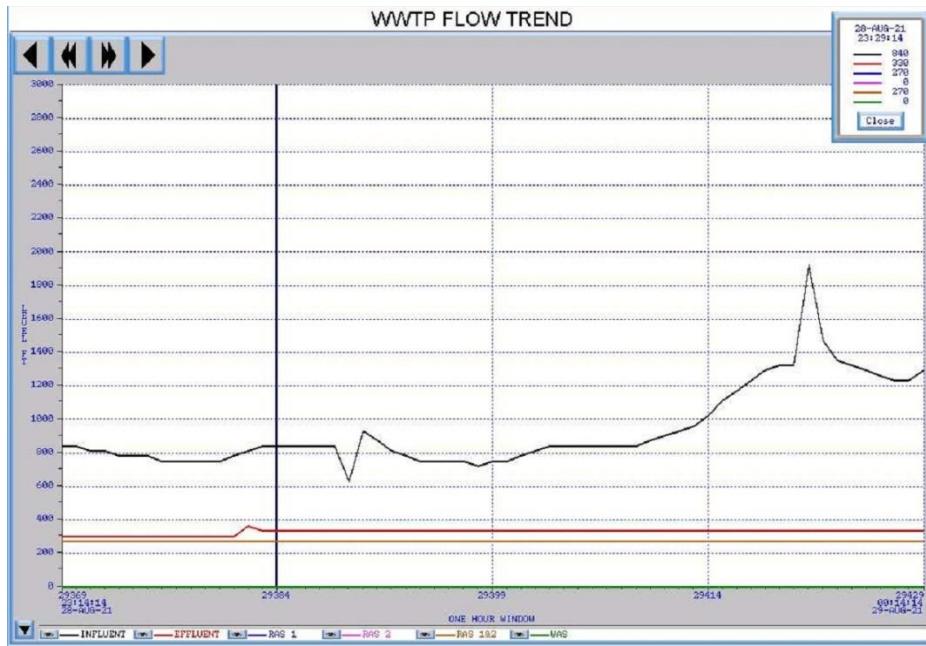
**Mike Barrington, Chairman
Board of Public Works**

Unless specifically noticed otherwise, this meeting and all other meetings of this body are open to the public. Proper notice has been posted and given to the media in accordance with Wisconsin Statutes so that citizens may be aware of the time, place and purpose of the meeting. Agenda items are listed so as to accurately describe the actions or issue being considered instead of simply the document listing title or the parties to a contract. This is done as such titles or a list of parties to a contract conveys insufficient information to the public on whether a topic or project they are interested in is being considered. It is the policy of the City of New London to comply in good faith with all applicable regulations, guidelines, etc. put forth in the American with Disabilities Act (ADA). To that end, it is the City's intent to provide equal opportunity for everyone to participate in all programs and/or services offered, to attend every public meeting scheduled, and to utilize all public facilities available. Any person(s) in need of an alternative format (i.e. larger print, audio tapes, Braille, readers, interpreters, amplifiers, transcript) regarding information disseminated by the City of New London should notify the City 48 hours prior to a meeting, etc., or allow 48 hours after a request for a copy of brochures, notices, etc. for delivery of that alternative format. Contact ADA Coordinator Chad Hoerth by telephone through: (Relay Wisconsin) – or 920/982-8500 and in person/letter at 215 N. Shawano Street, New London, WI 54961.

September 7th 2021 Board of Public Works Meeting

Wastewater Notes

The weekend of August 27th and 28th saw heavy rainfall. We documented amounts in the treatment facility rain gauge at 2.94 inches for those two days. Most of these rain events were within a very short timeframe. The graph below shows the start of a downpour which started around 11:30 pm Saturday 8-28-2021. This is the black vertical line on the first graph at 840 gallons per minute (gpm). The little spikes are when an additional pump is called to assist.



The second graph shows the flow at 12:43 am 8-29-2021 when the flows went above 3,000 gallons per minute due to the need for 3 pumps running. Each influent pump is capable of pumping 1,440 gallons per minute and the graph is only scaled to 3,000 gpm so the flow was most likely 4,320 gallons per minute. This is about the time I was called in due to high flows. Normal night time flows are around 400 gallons per minute so we were treating almost 4,000 gallons per minute of clear water that is not being metered and not billed to pay for the cost of treatment.

The speed at which this flow reached the plant has me believe that the culprit pipe(s) are relatively close to the treatment facility. Due to our televising program we know Oshkosh, North Water and South Pearl Streets have sewer mains and/or laterals that are close to 100 years old and are main arteries to the plant. These are also slated to be reconstructed in the next five years or so due to their horrible condition. This doesn't mean these are the only areas that are problematic though. We are seeing all of our lift stations throughout the city pumping more due to the saturation of the soil which usually means illegally connected sump pumps. These are all issues that the City should be addressing in the next 10 years.

Some clear water infiltration that was found in 2019 is under Industrial Loop Road. The sewer was put into service around 1972 and is constructed in a swamp. There are multiple areas that need to be repaired and unfortunately this line is very deep and is under a fairly busy road which is constructed of concrete making repairs very expensive if we go the conventional route of digging. I received the attached quote from Speedy Clean for \$23,260 to do all of the leak repairs through the manholes eliminating the need to dig up the road. I talked to Judy to make sure we had funds available for the repairs following the Werner-Allen reconstruction and she said to go with the repairs as there will be a remaining balance in the sanitary sewer repair portion of the budget. Will the Board allow me to contract Speedy Clean to do the repairs on Industrial Loop Road?

While doing preventative maintenance on the two Return Activated Sludge (RAS) pumps I noticed considerable deterioration of the metal housing around the mechanical seal and impeller. This is due to the very corrosive chemical we use to precipitate phosphates out of the water. We have also noticed a performance decrease from both pumps as well and is due to the deterioration. I contacted the supplier about the issue and they suggest getting new pumps with an epoxy coating. These pumps will cost \$4,946 per pump and I have money in the current budget to replace both them. There is an approximate six to eight month lead time on these pumps so I will need to order these soon to have these during the spring high flow when we would be the most vulnerable. Do I have permission to order these RAS pumps?

Rate Increase for 2022

Judy, Luke, Chad and I met to discuss the proposed 2022 budget which is at the end of this write-up. Judy brought up that we should increase the wastewater fixed fees another \$1.00 starting on January 1st 2022. The dollar flat rate increases a rate payer's bill one dollar per month, any other increase from month to month is based on usage. Adding this increase to fixed fees will generate another \$32,000 dollars annually for the wastewater fund regardless of the metered usage of our customers. The fixed rate is more attractive to lenders when we need bonding for larger projects which the City is looking to potentially do in the next five to ten years. If the Board agrees to increase the fixed fee the City will be up to \$6.00 for a monthly fee for metered users. This is still well below fixed fees of neighboring communities close to our size.

Clintonville-	\$17.00 – \$25.20 (depending on meter size)
Waupaca-	\$24.21
Ripon-	\$18.09 – \$22.40 (depending on meter size)

Before the ordinance can be changed the Board needs to vote on the proposal and have two readings prior to the January 1st 2022 implementation. By approving this now Judy can also figure the anticipated revenue for 2022 for her budget proposal in October.

As a side note regarding rates; we anticipate doing another rate study in 2022 to ensure the City has the revenue for future street and sewer rehabilitation, updating the water system at the wastewater facility and other infrastructure projects. The last rate study was done in September of 2018. We try to do them every three years to limit large increases to the rate payers. We will revisit this after the annual finance audit in spring.

DNR Permit Renewal:

The 2022- 2027 DNR Permit Renewal Application is due October 2nd. I will be finishing that in the next couple weeks and submitting it to them for review. After their review of the information I provide the DNR will draft a proposed permit by January for our input and then put it out for public comments. We should have the new permit to discharge into the Wolf River by April 2022.

Digester Update:

On Thursday August 26th the cover was officially reconnected on the south digester.

Monday August 30th, one year and three months since the south digester last operated, we started filling and placed back into operation. We will have another year of warranty covering the majority of the south digester process equipment. We started cleaning out the north digester on the 30th and will possibly be finished by Sept 8th and Corcoran can start removal of the cover and coating. Looks like they will be flirting with colder weather on this digester if we get an early autumn. They will also focus on the High Strength Waste tank during this time as well.

Proposed 2022 budget:

Last but not least is my proposal for the 2022 budget which is in your packet. The majority of the costs per line item have stayed the same however there were some increases besides wages and fringe benefits due to an employee going from a single to a family plan.

150-53301-216 Sewer Lateral TV Program \$12,000 (new line item)

This is a new line item focusing on lateral televising for future projects. Allows 10 percent of the sanitary mains to be cleaned and televised per the DNR CMOM (Capacity, Management, Operations & Maintenance) recommendations. Recent lateral launching costs average \$115 per lateral which eats away at the budgeted sewer main televising (150-53301-217) quickly especially projects with many laterals. We anticipate launching 104 laterals in 2022 on Oshkosh and Avon Streets for upcoming projects.

150-53302-227 Electric, Water and Sewer \$10,000

In 2020 we went over the budget by \$9,896. This was most likely due to the electrical usage from the digester upgrade as we are trending lower this year however I want to be safe.

150-53302-294 Chemicals \$25,000

This increase is due to the water utility adding phosphates to the water system to prevent lead leaching from the pipes. This is an estimate derived from the anticipated residual the utility plans to keep in the water. Unfortunately our DNR permit which will be reissued in April will lower the current phosphate limit we can discharge into the Wolf River from 1.0 mg/l to an estimated 0.23 mg/l resulting in heavier dosing of ferric chloride to remove the additional phosphate.

150-53302-730 Sludge Disposal \$70,000

Heavier doses of ferric chloride added to wastewater results in the generation of more sludge which will need to be disposed. I am estimating an additional \$5,000 will be needed for the increased sludge production.

150-53302-559 Capital Projects	\$155,200
Not too many projects for this year however two are quite expensive due to the work involved.	

New pond air lines: \$3,200. The air lines in the Northeast Industrial Park are 25 years old and have deteriorated to the point where air is not getting all the way to the diffusers in some locations. Air lines to the diffusers from new manifolds in the compressor boxes are what this project entails.

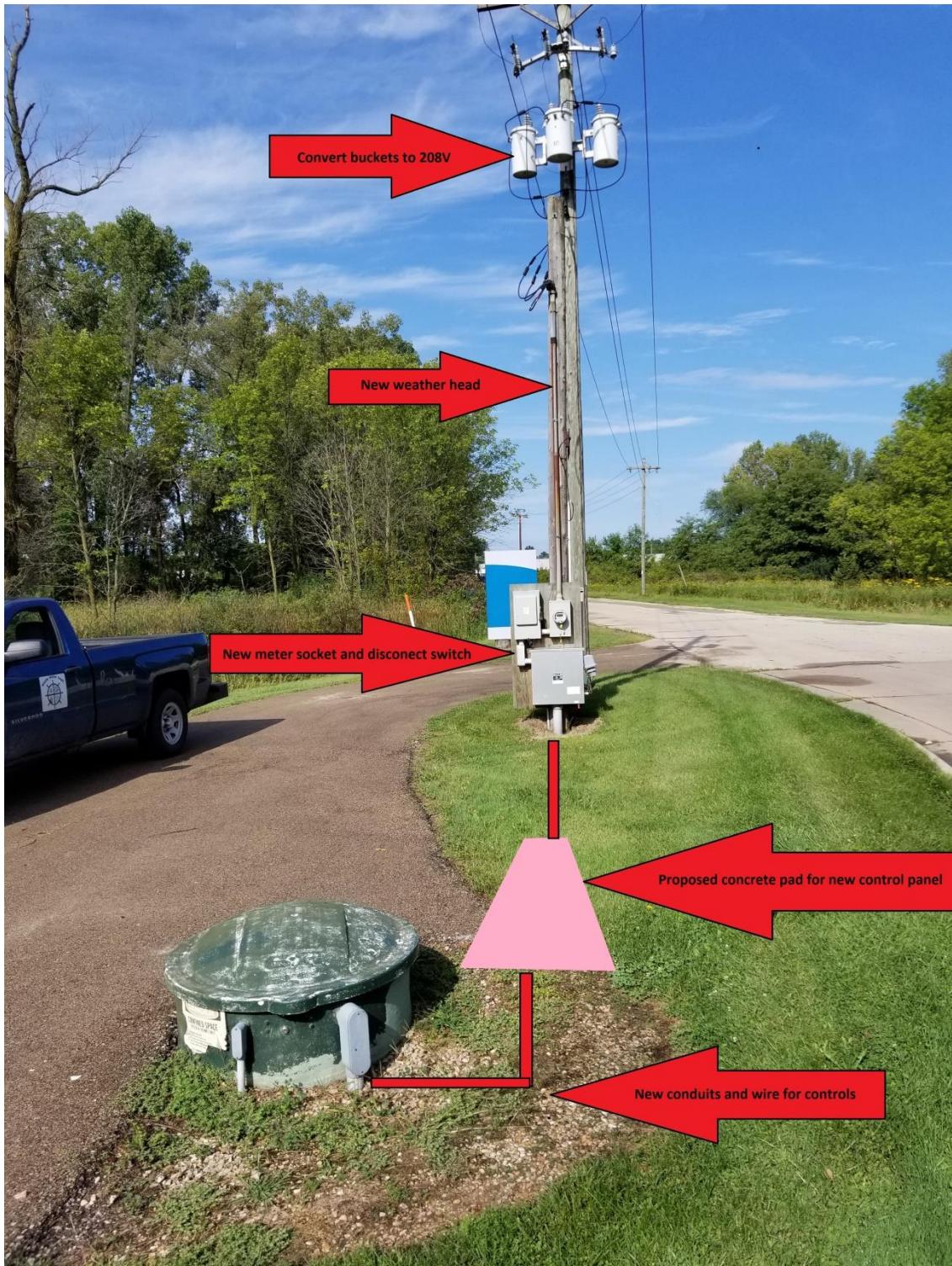
Auto valves for Digesters: \$10,000 One of the drawbacks from the popularity of our new High Strength Receiving Station is after hours, haulers fill the tank requiring the system to pump the waste into the digesters. This is by design, unfortunately sometimes we receive so much waste in an evening the digesters are close to overflowing and alarm. This causes overtime for the employee on call. We could tell haulers not to dump after hours but the revenue loss would be tens of thousands of dollars annually. These auto valves will allow the SCADA system to automatically pump the waste to the storage tank without needing an employee to come in and do it manually.

Lift Station #1 Rotating Elements (2) \$12,000 Rotating elements are a portion of a pump which moves the water in a lift station from a wetwell to a higher sewer allowing gravity to move the water to the treatment facility. The current rotating elements in Lift Station #1 are 17 years old and the final adjustment was made to both for impeller clearance this summer. Sand and other gritty substances wear away at these and need replacement over time.

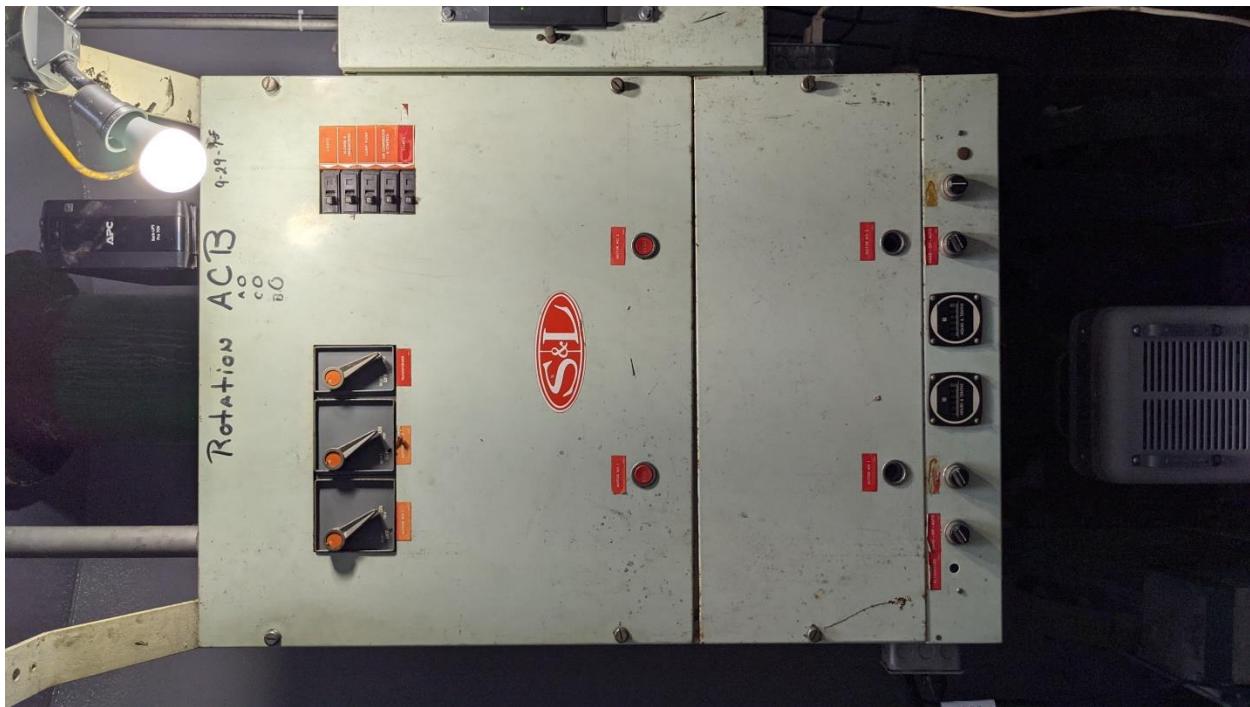
****The following projects can be funded by the remainder of the bond money we borrowed for the 2019 Digester Project that we will need to use up soon.****

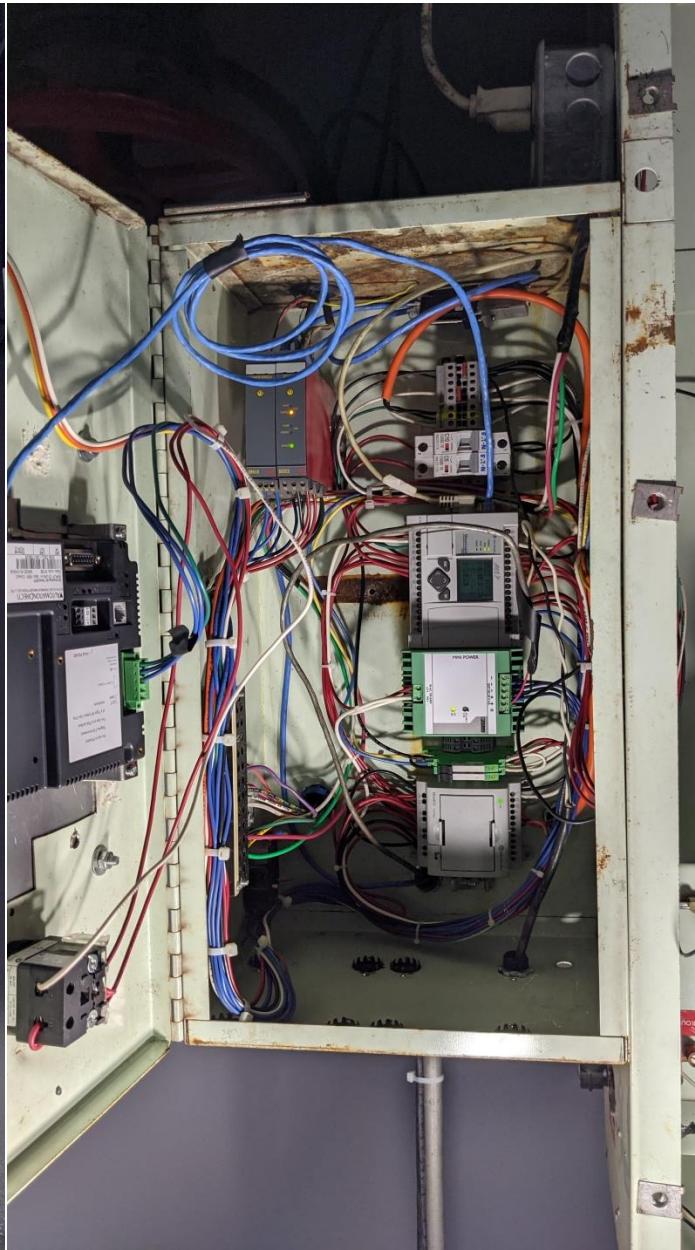
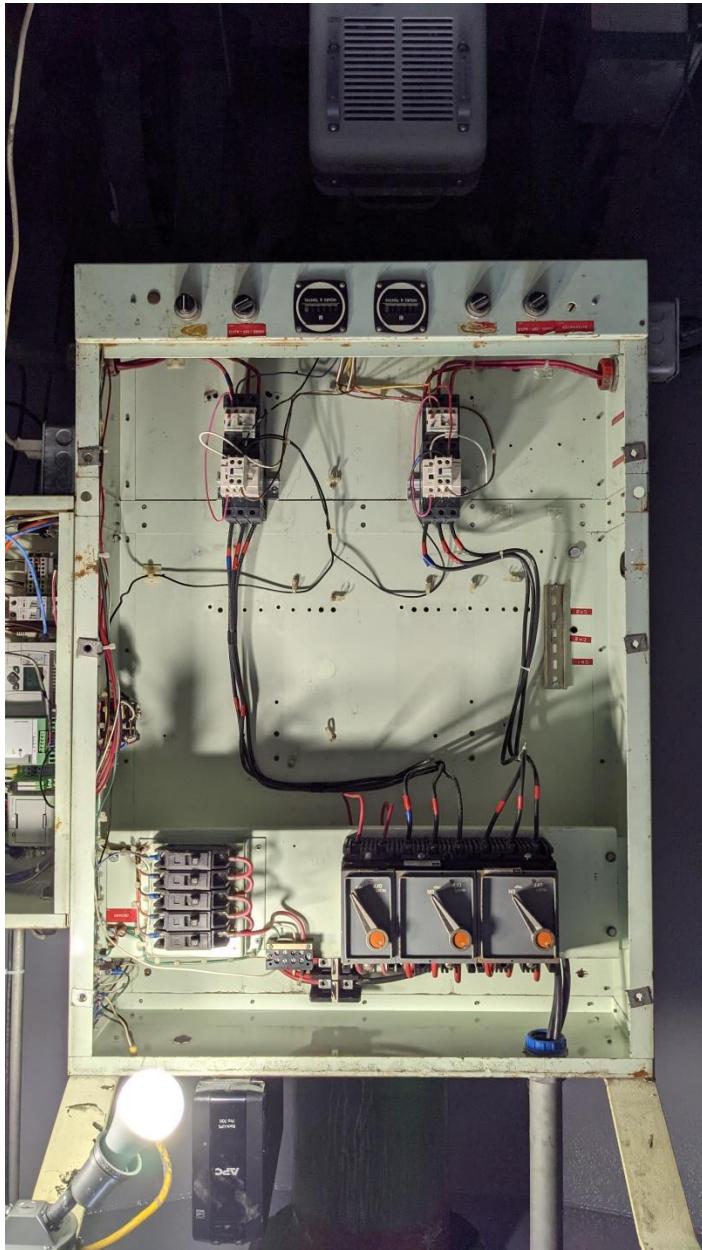
Lift Station #1 rehab of electrical service to 208 V \$60,000 This work involves a new control panel to replace the old one from the 1970's. Needless to say, parts are no longer available and are located in a confined space. The new panel will be located outside at ground level for operator safety. The electrical system needs larger conduits to run newer wire. The old system is a 240V Delta system needing only three wires whereas the new 208 V system requires four wires for a ground. The current conduits are not large enough for four wires. A new meter socket and disconnect will need to be installed to accommodate the new voltage. Fortunately the motors from 2005 can be rewired to 208V. Utilities would like for us to eliminate the older 240 V system.

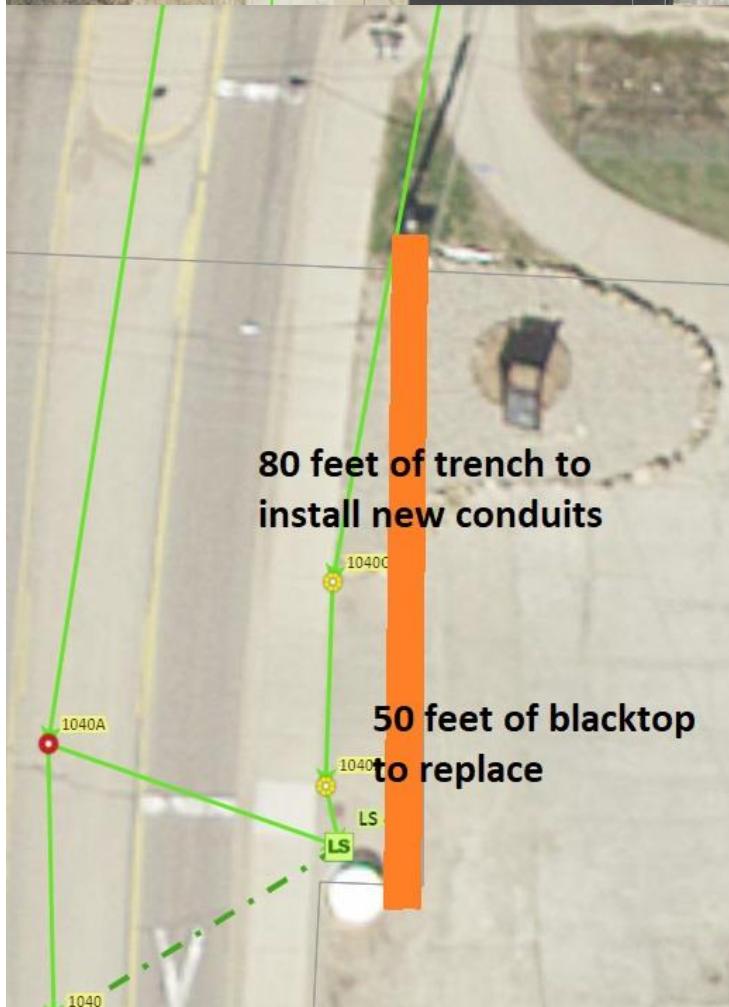




Lift Station #4 rehab of electrical service to 208 V \$70,000 This work involves a new control panel to replace the old one from the 1960's. Just like station #1 parts are no longer available and the panel is located in a confined space. The new panel will be located just below ground level for operator safety. The electrical system needs larger conduits to run newer wire. The old system is a 240V Delta system needing only three wires whereas the new 208 V system requires four wires for a ground. The current conduits are not large enough for four wires. A new meter socket and disconnect will need to be installed to accommodate the new voltage. Newer motors rated for 208V will need to be installed. The unfortunate part of this project is that it is located in front of the *Mission of Hope House* and the driveway and a portion of their landscaping located in the right of way will need to be removed. The Electric Utility is looking at having the pole replaced as well so there will be many different entities working on this project.







Vote verbage needed to accept the 2022 budget



Effluent								
Month	Flow	BOD		TSS		Phos.		Fecal Coliform
	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs	
Jan	0.9174	1	7	3	25	0.3	2.4	
Feb	0.8933	2	13	4	33	0.3	2.6	
Mar	1.2780	2	22	4	41	0.2	2.5	
April	1.3240	0	3	3	38	0.3	2.9	
May	1.0446	3	23	4	39	0.2	2.2	9.3
June	1.0740	2	22	5	47	0.2	1.9	26.8
July	1.4050	2	21	5	65	0.2	2.9	9.3
Aug	1.2057	2	15	4	47	0.2	2.1	21.5
Sept								
Oct								
Nov								
Dec								
Ave	1.1427	2	16	4	42	0.3	2.4	17
Max	1.4050	3	23	5	65	0.3	2.9	27
Min	0.8933	0	3	3	25	0.2	1.9	9
Limit:		25		30		1.0		400

Utility								
Month	Super-natent	Methane Used	Methane Flared	Natural Gas	City Water	Ferric	Rain	Electricity
	gal	ft ³	ft ³	ft ³	gal	gal	in	
Jan	9934			58	893	60	0.83	
Feb	11650			64	1049	66	1.01	
Mar	3834			42	1422	71	2.92	
April	0			53	2077	78	2.61	
May	19153			50	1396	89	2.76	
June	27903			37	3835	92	6.20	
July	23281			29	4043	88	6.06	
Aug	15145		0	28	4625	87	6.97	
Sept								
Oct								
Nov								
Dec								
Ave	13863		0	45	2418	79	3.67	
Max	27903	0	0	64	4625	92	6.97	0
Min	0	0	0	28	893	60	0.83	0

Wohlt Cheese							
Month	Flow	BOD		TSS		Phos.	
	gals	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	13613	925	104	530	60	28.1	3.2
Feb	16106	809	93	436	50	27.1	3.1
Mar	12726	886	94	418	44	22.7	2.4
April	13239	779	92	504	59	27.2	3.2
May	15073	918	112	580	71	31.6	3.9
June	18676	1064	161	639	97	27.2	4.2
July	17813	797	118	564	83	25.1	3.7
Aug	19029	881	133	518	82	26.6	4.1
Sept							
Oct							
Nov							
Dec							
Ave	15784	882	113	524	68	27.0	3.5
Max	19029	1064	161	639	97	31.6	4.2
Min	12726	779	92	418	44	22.7	2.4

Influent							
Month	Flow	BOD		TSS		Phos.	
	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	0.7271	294	1802	284	1744	6.5	40.1
Feb	0.7109	277	1662	277	1670	6.3	37.7
Mar	1.0685	198	1756	186	1658	4.3	38.3
April	1.1359	201	1867	240	2248	5.0	47.5
May	0.8888	319	2386	243	1839	5.7	42.5
June	0.9139	292	2038	353	2549	6.4	46.0
July	1.1678	158	1618	182	1959	4.1	41.6
Aug	1.1340	201	1707	217	1853	4.6	39.1
Sept							
Oct							
Nov							
Dec							
Ave	0.9684	242	1854	248	1940	5.4	41.6
Max	1.1678	319	2386	353	2549	6.5	47.5
Min	0.7109	158	1618	182	1658	4.1	37.7

Hauled Waste			
Month	Holding	Septic	HSW
	Total gals	Total gals	Total gals
Jan	655,725	53,500	59,800
Feb	682,300	39,500	63,700
Mar	897,660	83,350	44,100
April	806,660	296,225	44,100
May	917,200	250,150	52,400
June	1,142,815	299,900	69,300
July	1,092,750	268,600	61,400
Aug	844,580	257,650	44,100
Sept			
Oct			
Nov			
Dec			
Total:	7,039,690	1,548,875	438,900
\$/gal	0.00875	0.02000	0.03000
Total:	\$61,597.29	\$30,977.50	\$13,167.00

Ammonia	
Month	mg/L
Jan	< 0.15
Feb	< 0.15
Mar	< 0.15
April	0.17
May	<0.15
June	0.18
July	<0.15
Aug	<.015
Sept	
Oct	
Nov	
Dec	

Mercury		
Quarterly	Inf	Eff
	ug/L	ug/L
Jan		
Feb	68.00	0.30
Mar		
April		
May	70.10	0.31
June		
July		
Aug		
Sept		
Oct		
Nov		
Dec		
Max	70.10	0.31
Min	68.00	0.30
Limit:		1.30

Whole Effluent Toxicity	
Date:	Pass/Fail



1380 Earl St
Menasha, WI 54952
920-734-4707

Quote

Date	Estimate
6/30/2021	745

Name / Address	Service Point
City of New London Dept. of Public Works 215 N. Shawano St. New London, WI 54961	

Description
Please use this for individual pricing allowing you to pick the package that best fits your needs: (See special package pricing listed below)
Install CIPP repairs in 18" sanitary main; repair sizes between 18"X2' and 18"X4' - segment being repaired will determine length.
Work includes: * Prep pipe - jet flush and vacuum debris * Install up to 9 spot repairs in 18" pipe * Post televise repairs
Pricing is as follows: 1 - 3 repairs --- \$2,450.00 each 4 - 7 repairs ---\$2,150.00 each 8 - 12 repairs --- \$1,850.00 each
Using this formula, there are 9 spot repairs listed - total cost would be \$16,650.00

Signature



1380 Earl St
Menasha, WI 54952
920-734-4707

Quote

Date	Estimate
6/30/2021	745

Name / Address	Service Point
City of New London Dept. of Public Works 215 N. Shawano St. New London, WI 54961	

Description
Install special Tee,Wye main/lateral repairs (Tyger) in 18" main.
Work includes: * Prep pipe - jet flush and vacuum debris * Deploy Schwalm cutter to install repair * Post televise repair
We have 2 Tyger repairs listed - cost is \$3,250.00 each - total cost would be \$6,500.00
Grouting Manholes is \$305.00 per hour - with travel, set-up and grouting expect approximately 4 hours plus the cost of grout - total cost \$1,220.00
Cost of grout is \$60.00 per tube - generally use 1-4 tubes per manhole
MH 1570 - MH 1569 - Use of Schwalm cutter to remove intruding lateral is \$305.00 per hour - round trip charge is approximately 4 hours for a total cost of \$1,220.00

Signature



1380 Earl St
Menasha, WI 54952
920-734-4707

Quote

Date	Estimate
6/30/2021	745

Name / Address	Service Point
City of New London Dept. of Public Works 215 N. Shawano St. New London, WI 54961	

Description
TOTAL PACKAGE PRICE is everything listed in individual pricing combined into a package and done when everything is on site reducing the need for multiple set-ups and travel.
Package includes:
9 spot repairs (18"X2' or 18"X4') --- \$16,650.00
2 Tyger Repairs 18"X lateral size -- \$ 6,000.00
2 manhole grouts --- \$ 305.00
1 Schwalm cut Intruding lateral --- \$ 305.00
TOTAL: --- \$23,260.00
The only hidden cost is the cost of grout because that is an unknown until the manhole grouting is completed - cost for grout is \$60.00 per tube - normally 1-4 tubes per manhole.
Tax Exempt

Please notify Speedy Clean within 30 days if the quotation is accepted and the above prices will be honored.

Cured in place Pipe (CIPP) repairs come with a 5 year warranty on parts and installation.

If prevailing wages apply - this quote will be adjusted accordingly.

Signature _____

Due to the unique nature of the tasks and the unknown pipe conditions, completion of the work may not be possible. Speedy Clean will make every reasonable effort to perform the work described.

AN ORDINANCE SETTING SEWER USER CHARGE RATES

Ordinance No. 1393

PURPOSE: *The purpose of this ordinance is to change the base monthly fixed charge rate from \$4.00 to \$5.00 per month*

The Common Council of the City of New London, Outagamie and Waupaca Counties, Wisconsin do ordain as follows:

Section 1: That §13.12(4)(a) shall be amended to read as follows:

| (a) The Base monthly fixed charge for all users shall be ~~\$4.00~~. \$5.00.

Section 2. This ordinance takes effect January 1, 2021.

By: _____
Mark Herter, Mayor

Attest: _____

Jackie Beyer, Clerk

First Reading: October 13, 2020

Second Reading: November 10, 2020

Published: November 19, 2020

BID TABULATION

CITY OF NEW LONDON

2021 Asphalt Patching Program

Contract No. N0009-09-21-00593

Bid Date / Time: September 2, 2021 @ 10:00 AM

Project Manager: Brad Werner, P.E.

Engineer: McMAHON ASSOCIATES, INC.

1445 McMahon Drive

PO Box 1025

Neenah, WI 54956 / 54957-1025

AMERICAN ASPHALT OF WISCONSIN
DIV. OF MATHY CONSTRUCTION CO.
832 STH 153
PO Box 98
Mosinee, WI 54455-0098

NORTHEAST ASPHALT, INC.
W6380 Design Drive
Greenville, WI 54942

Item	Qty	Unit	Description
1.	1	L.S.	Mobilization and Bonding
2.	1,600	S.Y.	Remove and Fine Grade Asphalt Patch Area
3.	1,600	S.Y.	1-1/2 Inch 4 LT 58-28S Asphalt Binder
4.	1,600	S.Y.	1-1/2 Inch 4 LT 58-28S Asphalt Surface
5.	100	C.Y.	Excavation Below Subgrade (EBS)
6.	50	TON	Base Course

Unit Price	Total	Unit Price	Total
\$3,500.00	\$3,500.00	\$11,760.00	\$11,760.00
\$7.54	\$12,064.00	\$9.90	\$15,840.00
\$10.44	\$16,704.00	\$11.50	\$18,400.00
\$10.85	\$17,360.00	\$11.50	\$18,400.00
\$30.00	\$3,000.00	\$68.10	\$6,810.00
\$20.00	\$1,000.00	\$24.50	\$1,225.00
TOTAL (Items 1. through 6., Inclusive)		\$53,628.00	\$72,435.00

Bid Security Addendum Acknowledgement	5% Bid Bond Yes - #1	5% Bid Bond Yes - #1
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8/26/21

City of New London
215 N. Shawano St.
New London, WI 54961

Subject: Invoice for Gas main extension on Fredrick Farm Ln. New London, WI

Dear Chad Hoeth:

Thank you for your application for natural gas facilities. Please review the following information.

Cost details:

- The cost for this project will be \$6,295.00. Additional charges may apply if we encounter unusual conditions, delays in your construction schedule or other changes that you request.
- The cost has been reduced by \$10,187.00 as credit for 1 meter(s) being set at the time of installation.
- Additional charges will apply if installation is requested Dec. 1 through March 31.
- Installation cost must be paid in advance of construction.
- This cost is valid for 90 days provided this letter and enclosed drawing are signed and returned with payment, the site is ready, and all other requirements are met.

Payment remittance:

Remit payment, if applicable, using one of the following options. Reference the work request number shown below on your check or when paying via phone or online.

- Personal check
- Online at www.we-energies.com/payconstructionbill
- Phone at 855-570-0998

Refund details:

- Refunds are available for up to five years after the main installation and will not exceed the amount of the original cost.
- Refunds in the amount of \$Unknown may be made for each residential space heating customer connected to this main.
- Refund amounts for multifamily and commercial customers will be individually calculated based on their estimated average annual consumption.

Facility location:

- To avoid damage to underground facilities, you are responsible for locating and marking (with stakes, spray paint or flags) any buried obstructions and private underground facilities like lighting, septic systems, wells, sprinkler systems, etc.
- It is very important that you mark these facilities as We Energies and/or its agents are not responsible for damage to your facilities that are not properly marked before our work begins.
- If you are unable to locate and mark your privately owned buried facilities, you can hire a contractor to do it for you.
- For your safety, we will coordinate with Diggers Hotline to have technicians visit the site to locate underground utilities (such as natural gas, electric, phone, cable, sewer and water). The technicians will mark the facilities with flags and spray paint that will fade after a few weeks.

Construction:

Please consider this information when developing your project timeline:

- Once all job requirements are met, allow us a minimum three week lead time for scheduling the installation of natural gas facilities.

- To ensure minimal disturbance to your site, it is best to install our facilities prior to road base, paving, topsoil, and erosion control, but after the installation of sewer, water and right-of-way subgrading.
- The site must be within four inches of final grade and we must be made aware of any changes that have been made since we received preliminary, approved plats.

Surface restoration:

- Surface restoration in the public right-of-way, for main installed beyond your project limits, will be completed according to municipal guidelines.
- Restoration within your development will include backfilling and compacting using existing soil.

As a reminder, you need to sign and return a copy of this letter and enclosed drawing along with your payment, if paying by check. If you have any questions, please call me. I look forward to working with you to make your project a success.

Sincerely,

Mark Kofnetka
Residential Energy Services Consultant
T:920-380-3549
F:920-380-3507

Work Request #: 4680677

I certify the grade was confirmed by a surveying/engineering firm and lot corner stakes are installed.

Estimated date site will be ready for natural gas: _____

Accepted by: _____

Title: _____ Date: _____

P.S. For more information on the application and construction process for new developments, visit www.we-energies.com/contractors/builderdeveloper.

Enclosures



ELEC WR

GAS WR

WI4680677

CITY / TOWN / VILLAGE: C/ NEW LONDON

CUST/PROJ NAME: CITY OF NEW LONDON

PROJECT LOCATION: FREDERICK FARMS LN

(INTERSECTION OF ORVILLE DR AND FREDERICK FARMS LN)

WORK DESCRIPTION: 4" PE GAS MAIN EXTENSION FOR
BUSINESS PARK.

PREPARED BY: CODY JACOBSON

E-MAIL: CODY.JACOBSON@WE-ENERGIES.COM

OFFICE #: 920-380-3565 CELL #: 920-450-1170

PAGER #: IO #: MEU23208652

PROJECT ID: WI4680677 CGS #:

DATE PREPARED: 8/12/21 DATE REVISED:

RAILROAD PERMITTING/FLAGGING REQUIRED YES NO RR NAME

CORROSION CONTACT: JOHN HOOPER

COMMON INFORMATION

STAKING REQUIREMENTS:		MAIN / SERVICE IN EASEMENT:	
<input checked="" type="checkbox"/> SURVEYOR	<input type="checkbox"/> STAKED	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
<input type="checkbox"/> DESIGNER	<input type="checkbox"/> NOT NEEDED		

RESTORE PRIVATE PROPERTY: WE ENERGIES CUSTOMER

WORK IS APPROX 35 FT, DIRECTION E OF CL OF

ORVILLE DR NEAREST CROSS STREET
(ALSO FOR GAS SERVICE TEE)

ELECTRIC INFORMATION

OPER MAP #: FEEDER/LINE #:

CATV JOINT USE #: TEL JOINT USE #:

PROPOSED GAS SERVICE INFORMATION

MTR SIZE: MTR TYPE: PRES: EFVSERV PIPE SIZE: MATERIAL: RELIGHTMTR LOC: FT. OF CORNER CURB VLVCONSTRUCTION TYPE: TIE IN PIPING

CRITICAL SAFETY RULES - GO:

1. Confined space procedures
2. Excavation and shoring
3. Live gas emergency procedures
4. Lock out - Tag out
5. Seat belts
6. Securing parked vehicles

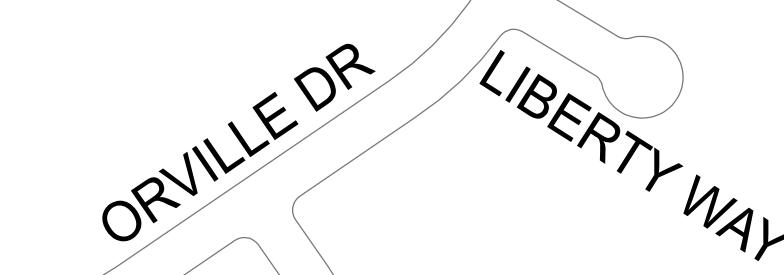


SHEET 3

FREDERICK
FARM LNORVILLE
DR

HINTZKE RD

HINTZKE RD



SHEET 2

JOB INFO:

SECTION / TOWN / RANGE: NE1/4 SEC 31, T23N, R15E

SITE VISIT COMPLETED BY: CODY JACOBSON

JOB OWNER: MARK KOFNETKA 920-380-3549

MAIN CONTACTS:

- CONTRACTOR/BUILDER:
- PLUMBER/HVAC:
- ELECTRICIAN:
- CUSTOMER: CHAD HOERTH 920-982-8503

CONTINGENCIES & COMMENTS:

DIGGERS HOTLINE REQUIRED

WE ENERGIES WILL COMPLETE LAWN REPAIR ON:

- ROAD ROW NEIGHBORING PROPERTY
- NONE CUSTOMER PROPERTY

WE ENERGIES WILL HAUL SPOIL FROM:

- ROAD ROW NEIGHBORING PROPERTY
- NONE CUSTOMER PROPERTY

CUSTOMER IS REQUIRED TO LOCATE ALL PRIVATE
UNDERGROUND FACILITIES PRIOR TO INSTALLATION

WE ENERGIES IS NOT RESPONSIBLE FOR ROOT DAMAGE

CONSTRUCTION REMARKS

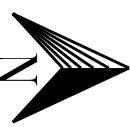
* INSTALL 1,005' OF 4" PE GAS MAIN.

* BORING REQUIRED.

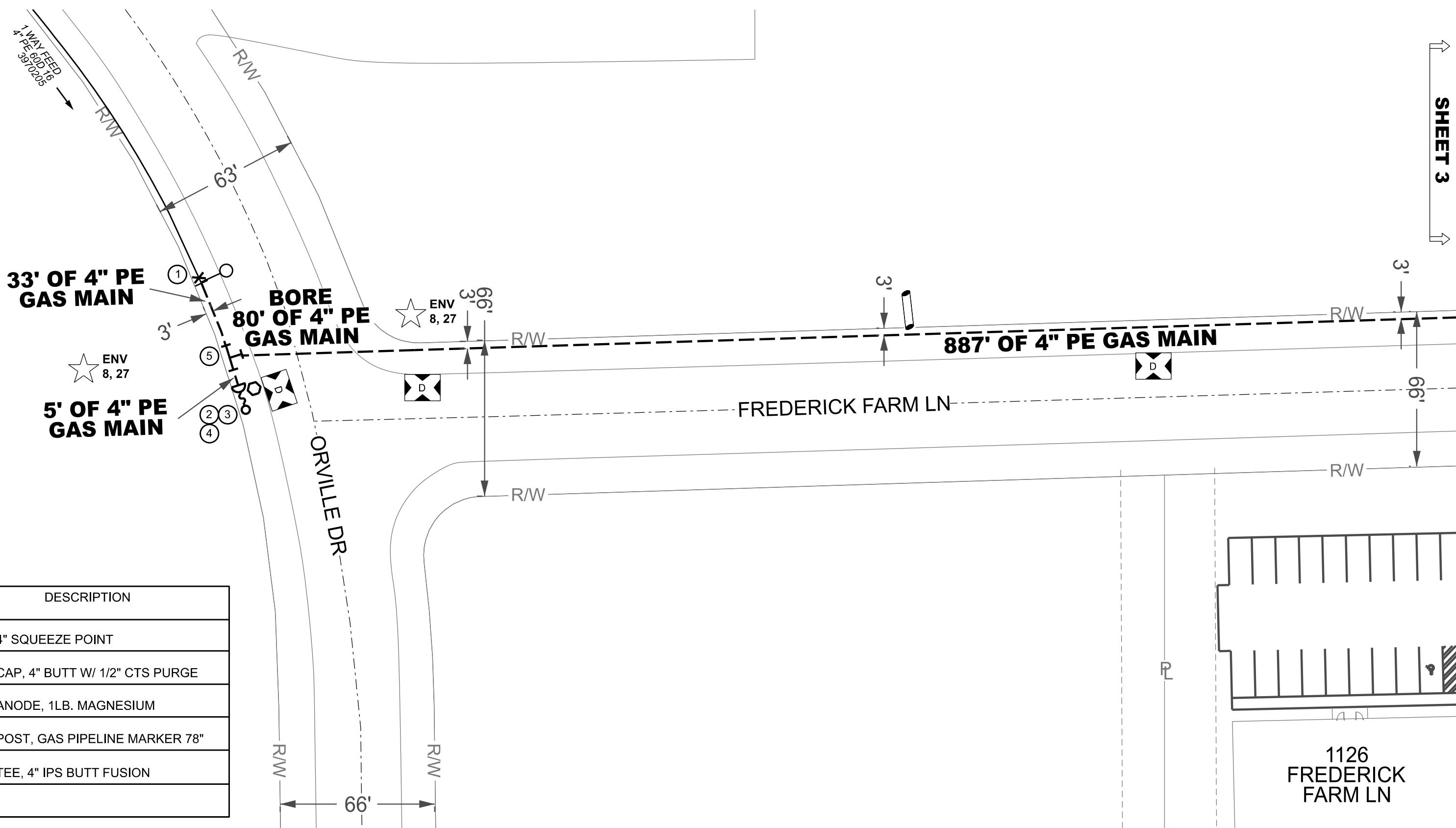
CUSTOMER'S SIGNATURE OF APPROVAL DATE



ELEC WR
GAS WR
WI4680677



SHEET 3

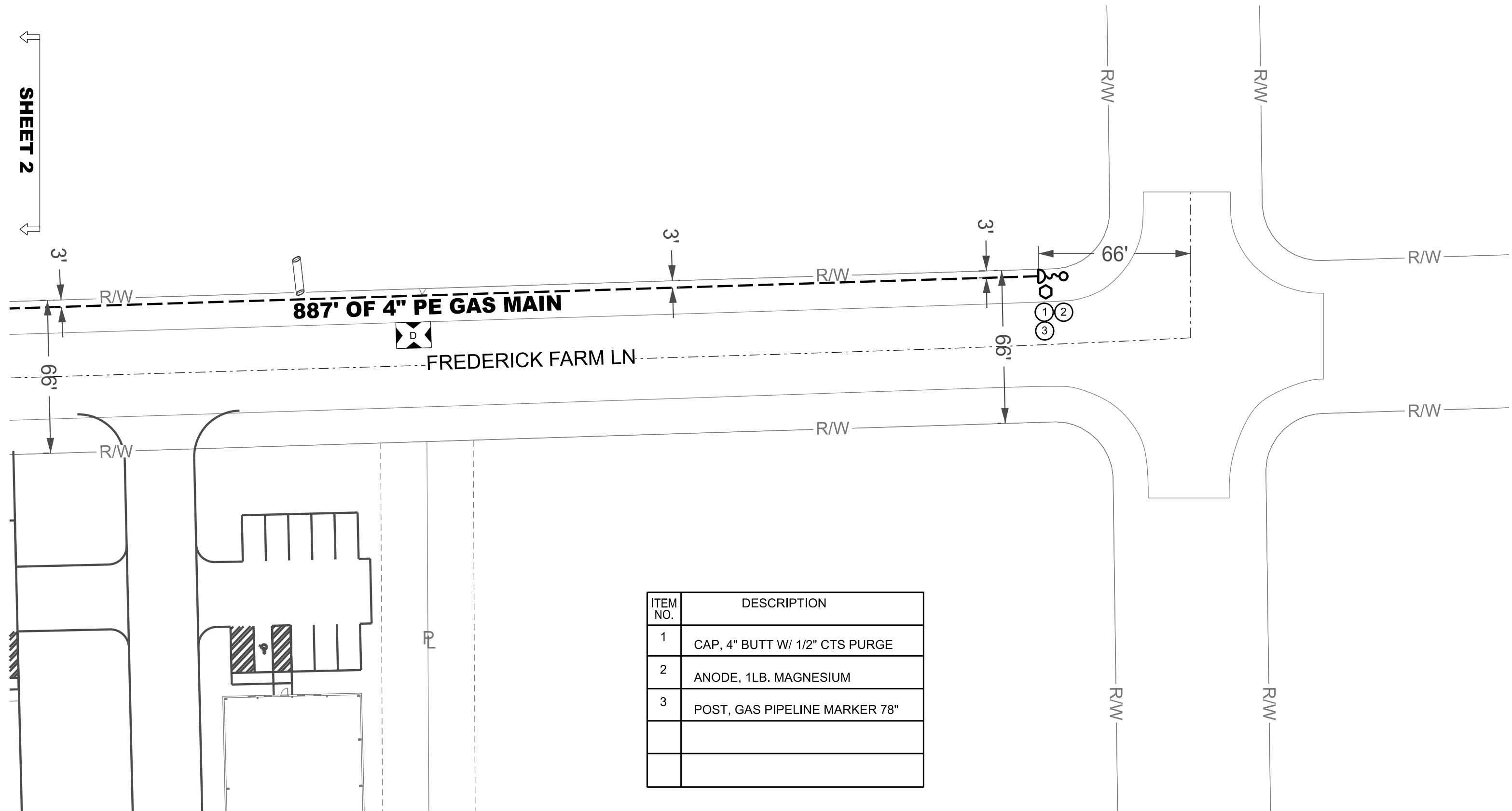




ELEC WR
GAS WR
WI4680677



SHEET 2



SHEET NO.
3 OF 3

WE ENERGIES - GAS OPERATIONS

NOTES:

Existing facilities should be field verified prior to excavation.

Utility information shown are from plans and have not been field verified.

Maintain 12" min vertical clearance at crossing of existing electrical facilities.

Maintain 6" min vertical clearance at crossing of other existing facilities.

Maintain 18" min vertical clearance at crossing of existing storm sewer pipes.

Maintain 5' clearance from storm sewer inlets.

Staking of route or ROW by surveyor required prior to construction.

Clearances shown are min distances – reference permit for specific clearance requirements.

Additional information on excavation, backfilling & clearances can be found in the Gas CRS 201.

Restore all pavement, ROW, sidewalks, and customer's private property.

CONVENTIONAL SYMBOLS

	- Outside Meterset		- Regulation Pit		- Full Open Tee		- Valve Pit
	- Inside Meterset		- Insulator		- 45° Elbow		- Regulation Station
	- Valve (Boxed)		- Bottom/Side/Half Line Stopper Fitting		- 90° Elbow		- Farm Tap
	- Valve (Buried)		- Save-A-Valve		- Depth Change Elbow		- Blow Down
	- Transition Fitting		- No Blow/Punch/HVTT/MVTT/EF Tee		- Marker Post		- Pressure Monitoring Device
	- Reducer		- Anode		- Multi Wire Test Stand		- Riser Used for Corrosion Reads
	- Support Clamp or Squeeze Point		- Cap with Anode		- Single Wire Test Stand		- Test Stand
	- Coupling		- Cap		- Main Jump Symbol		- Rectifier
	- End of Main		- Retirement Symbol		- River Weight		- Pressure Point

EROSION CONTROL LEGEND

	APPROXIMATE LOCATION FOR UNDERGROUND FACILITY EXCAVATION
	INLET PROTECTION, TYPE
	12" WATTLE or 12"/20" SEDIMENT LOG or 9.5"/20" EROSION EEL
	STONE DITCH CHECK
	ROCK BAG
	MULCH
	SOIL STABILIZER, TYPE B
	EROSION MAT CLASS I, TYPE A
	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS I, TYPE A URBAN
	EROSION MAT CLASS I, TYPE B URBAN
	EROSION MAT CLASS II
	EROSION MAT CLASS III
	VEGETATIVE BUFFER
	TRACKING PAD
	TIMBER MAT
	SILT FENCE
	APPROXIMATE DEWATERING BASIN LOCATION
	SURFACE WATER FLOW

WE ENERGIES WORK REQUEST ENVIRONMENTAL NOTES (Notes 1 through 7 apply to ALL work requests)

General

- If WDNR and/or USACE permits were obtained for the project, all permit conditions shall be met during construction of the project.

Erosion Control

- If soil disturbance occurs on slopes or channels/ditches leading to wetlands or waterways, or within wetlands, the disturbed areas shall be stabilized and appropriate erosion control Best Management Practices (BMP's) shall be implemented.
- Erosion Control BMP's shall meet or exceed the approved WDNR Storm Water Management Technical Standards (http://dnr.wi.gov/topic/stormwater/standards/const_standards.html). Refer to We Energies Construction Site Sediment and Erosion Control Standards.
- Inspect installed erosion control BMP's at least one time per week and after ½" rain events: repair as necessary.
- When temporary stabilization is required (e.g. for winter or short-term construction) prior to final restoration, soil stabilizer shall be installed wherever possible. Erosion mat shall be used temporarily only where appropriate, in accordance with state standards, and when approved by the Operations Supervisor.

Contaminated Soils

- Whenever soil exhibiting obvious signs of contamination (e.g., discoloration, petroleum or solvent odor, free liquids other than water, buried containers or tanks, or other obvious signs of environmental impacts) is encountered during excavation or installation, cease work immediately, take appropriate immediate precautions to ensure worker health and safety, and contact the Operations Supervisor or Inspector.

Spills

- If an oil spill occurs during construction, call the Environmental Incident Response Team (EIRT) at 414-430-3478:
 - Any quantity of oil is spilled into surface water;
 - Any oil spill greater than 50 ppm PCB into a sewer, vegetable garden, or grazing land;
 - Any oil spill containing greater than 500 ppm PCB;
 - Five gallons or more of oil spilled to the ground;
 - Any oil spill involving a police department, fire department, DNR, or concerned property owner.

Notes 8 through 27 apply as noted at specific points within each work request:

Dewatering

- Dewatering of pits or trenches shall be done in accordance with state standards. Use an approved sediment bag, a straw bale dewatering basin, a combination of both, or equivalent.

Wetlands

- As much as practicable, the majority of the work shall be staged from the public roadways and road shoulders, keeping equipment out of adjacent wetlands.
- All work shall be conducted to minimize soil disturbance. No rutting will be allowed within the wetlands.
- If soils are not frozen or stable to a point that avoids rutting, timber mats, mud tracks, or equivalent shall be utilized to access pole locations.
- Excavated soils cannot be stockpiled in wetlands.

- All excess spoils shall be removed from wetlands and placed in a suitable upland location.
- Trenching and pit excavations within wetlands shall include soil segregation to facilitate restoration of pre-construction soil stratification, and restoration to pre-construction elevations.

- Poles scheduled to be removed, and that occur within wetland, shall be cut at the ground surface.

Waterways

- No work can be performed within the banks or below the ordinary high watermark of any navigable waterwaysstreams.
- No crossing of navigable waterways with equipment can occur. Foot traffic is allowed.
- Any disturbed soil within 75-feet of the ordinary high water mark of any navigable waterwaysstreams shall be stabilized within 24 hours of construction completion.

Threatened and Endangered Species

- Threatened or endangered species are known to occur in the work area. It is illegal to harass, harm, or kill a protected species under state and federal regulations. Proper precautions shall be taken to ensure harm to individuals is avoided.
- In order to protect the threatened or endangered species, work must be conducted between November 5 and March 15.
- Exclusion fencing must be installed at the work area prior to March 15.
- A qualified biologist must be present when conducting work at this location.

Invasive Species

- State regulated invasive species are known to occur in the work area. Reasonable precautions are legally required to prevent the spread of these species. The Wisconsin Council on Forestry Transportation and Utility Rights-of Way Best Management Practices should be followed: (<http://council.wisconsinforesry.org/invasives/transportation/>).

Cultural and Historical Resources, cont.

- The project is within or adjacent to an area that is identified by the State of Wisconsin as potentially having Native American artifacts, burial mounds or burial sites, which could be encountered during construction.
- If human bone or any artifacts are discovered during construction, work must cease immediately. Contact the Environmental Department who will contact the State Burial Sites Preservation Office and determine the next steps that must be taken in order to comply with state law. Work at that site MAY NOT PROCEED until the Environmental Department authorizes it.
- A "qualified archaeologist," as specified under Wis. Stats 157.70 (1) (i) and Wis. Admin. Code HS 2.04 (6), must be present to monitor all ground disturbing activities.

Frac-out Contingency Plan

- A frac-out contingency plan shall be on-site and implemented accordingly. The contingency plan shall incorporate the following components:
 - Continuously inspect the bore paths for frac-outs in order to respond quickly and appropriately.
 - Containment materials (e.g. silt fence, straw bales, sand bags, etc.) shall be on site and available should a frac-out occur.



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