CITY OF NEW LONDON
MINUTES OF BOARD OF PUBLIC WORKS MEETING
Monday February 4, 2019 @ 4:30 p.m.

Members Present: Mike Barrington, Dennis Herter, Bob Besaw, Ron Steinhorst

Members Absent: Lori Dean

Council Members: Tom O'Connell

Others Present: Kent Hager; City Administrator
Chad Hoerth; Director of Public Services
Michelle Lambrecht; Administrative Assistant
Ben Greuel; WWTP Chief Operator
Scott Bellile; New London Press Star
Joe Marquardt; New London School District

Barrington called the meeting to order at 4:34 p.m.; Motion by Steinhorst seconded by Besaw to approve the agenda. *Motion carried by all*

Wastewater Treatment Plant Update: There were no questions or concerns on the WWTP monthly reports.

Public Hearing at 4:35 p.m. to take comments on an amendment to levy special assessments for sanitary lateral installation on Starlight Drive: Barrington opened the public hearing at 4:35 pm, no public comments were given. Public Hearing closed at 4:36 pm.

Recommend to council an amendment to the Final Resolution for special assessments for sanitary lateral installation on Starlight Drive: A resolution was presented to amend the sanitary lateral assessment cost in the 2017 Starlight Drive construction project from $35.00 per lineal foot to $53.42 per lineal foot. A question was asked about Town of Mukwa properties if they would be assessed. Hoerth explained at this time properties outside the city limits cannot be assessed, however if they would like to begin using sanitary services in the future, those properties would have to petition to annex into the City and pay a hook up fee equal to the cost of what their assessment would be.

> Steinhorst moved, seconded by Herter that council considers approving the proposed Final Resolution amending the sanitary sewer lateral assessment cost for the 2017 Starlight Drive construction project from $35.00 to $53.42 per lineal foot. *Motion carried by all.*

Consider and act on a request for additional street lighting on Klatt Road: Joe Marquardt; Director of Business Services for the New London School District presented a request for additional lighting down Klatt Road from Hwy W to the

High School's east entrance. The committee discussed the proposal and the benefit of lighting that area for the safety of students, drivers and pedestrians in that location. Hoerth will work with New London Utilities on the placement and number needed for optimal lighting.

> Besaw moved, seconded by Steinhorst that council approves installation of additional street lighting on Klatt Road from Hwy W to the High School's east entrance. *Motion carried by all.*

Review bid tab and recommend to award the WWTP Digester and Waste Receiving Station contract to August Winters & Sons in the amount of $4,378,357: The bid tabulation for the WWTP Digester and Waste Receiving station project was presented. August Winters & Sons submitted the lowest qualified bid at $4,378,357. Hoerth and the engineer both recommended awarding the contract to August Winters & Sons.

> Steinhorst moved, seconded by Herter that council considers awarding the WWTP Digester and Waste Receiving Station construction contract to August Winters & Sons in the amount of $4,378,357. *Motion carried by all.*

Approve an Engineering Services Agreement with Donohue & Associates, Inc. in the amount of $254,747 for construction related services for the WWTP Digester and Waste Receiving Station Project: Hoerth explained that along with awarding the construction contract, the next step would be to enter into an agreement with the engineering firm for construction administration services. An agreement amendment from Donohue & Associates, Inc. was presented in the amount of $254,747 for construction administration.

> Steinhorst moved, seconded by Besaw that council approve the agreement to hire Donohue & Associates in the amount of $254,747 for construction administration services for the WWTP Digester and Waste Receiving Station Project. *Motion carried by all.*

Review of upcoming Cedar Street and Northridge Drive reconstruction plan: A discussion took place regarding the upcoming reconstruction plan for Cedar Street and Northridge Drive. Hoerth explained that engineers have surveyed the existing conditions and came to the conclusion that there should not be a need for a full reconstruction of the utilities but rather spot repair of identified issues such as: broken storm sewer leads, replacement of some storm sewer inlets, manhole covers and spot curb repair. Staff is also reviewing the possibility of adding storm sewer laterals to properties along the project route. The project is anticipated to be bid out in the next few weeks with a bid opening of mid-March 2019.

Director's Memo:
Joe Kosmerchock completed 43 years of service with the city on January 22, 2019. Kosmerchock has provided notice of his retirement in March 2019, the department is performing an internal posting first for a full-time replacement.

Other matters and Next month's agenda items:
None identified

Barrington called to adjourn at 5:15 p.m.; Motion by Steinhorst to adjourn the meeting second by Besaw. *Motion carried by all.*

Chad Hoerth
Director of Public Services

AGENDA

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.

MEETING NOTICE

BOARD OF PUBLIC WORKS

Monday, February 4th, 2019
4:30 p.m.

Council Chamber, New London Municipal Building

1. Call meeting to order, Adopt Agenda
2. Director's Memo
3. Wastewater Treatment Plant Updates
4. Public Hearing at 4:35pm to take comments on an amendment to levy special assessments for sanitary lateral installation on Starlight Drive
5. Recommend to council an amendment to the Final Resolution for special assessments for sanitary lateral installation on Starlight Drive
6. Consider and act on a request for additional street lighting on Klatt Road
7. Review bid tab and recommend to award the WWTP Digester & Waste Receiving Station contract to August Winters & Sons in the amount of $4,378,357.
8. Approve an Engineering Services Agreement with Donohue & Associates, Inc. in the amount of $254,747 for construction related services for the WWTP Digester & Waste Receiving Station project.
9. Review of the upcoming Cedar Street & North Ridge Drive reconstruction plan
10. Other Matters & Updates
11. Next Month Agenda Items
12. Adjournment

Mike Barrington, Chairman
Board of Public Works

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 Co-Coordinators Paul Hanlon or Chad Hoerth by telephone through: (Relay Wisconsin) – or 920/982-8500 and in person/letter at 215 N. Shawano Street, New London, WI 54961.

Memorandum

To: Board of Public Works

From: Chad Hoerth, Director of Public Services

Date: 1-3-19

Re: January 7th, 2019 Board of Public Works Meeting

- Wastewater Treatment Plant Update – Ben's report is included in your packet.

- Public Hearing at 4:35pm to take comments on an amendment to levy special assessments for sanitary lateral installation on Starlight Drive- If you recall at the December Board of Public Works meeting, we discussed amending the special assessment cost for sanitary lateral installation from $35.00 per lineal foot to the true cost of $53.42 per lineal foot for the Starlight Drive project. The first step to amend the original "final resolution" is to hold a public hearing. We'll hold the public hearing at the Board meeting to allow us time to adjust the final resolution (if necessary) before it's sent to counicl.

- Recommend to council an amendment to the Final Resolution for special assessments for sanitary lateral installation on Starlight Drive- The next step to amend the assessment cost to $53.42 per lineal foot is to forward the attached (amended) Final Resolution to the council for approval (that is if the Board has no changes following the public hearing).

    - *Possible/Recommended Motion: I make a motion that city council considers approving the proposed final resolution amending the sanitary sewer lateral assessment cost for the 2017 Starlight Drive construction project from $35.00 per lineal foot to $53.42 per lineal foot.*

- Consider and act on a request for additional street lighting on Klatt Road- Enclosed is a request from the school district to continue street lighting down Klatt road to the High School's east entrance. From my understanding it sounds like the request and need is more for pedestrian lighting on the school's trail rather than street lighting along Klatt road. If that is the case, the question should be if the city has any obligation to light the school's trail or if lighting down the street is truly needed. Joe Marquardt from the School District will be present at the meeting to answer questions on his request.

- Review bid tab and recommend to award the WWTP Digester & Waste Receiving Station contract to August Winters & Sons in the amount of $4,378,357- In your packet you will find a letter of recommendation from our engineer along with the bid tabulation for the WWTP Digester and Waste Receiving Station project which were opened on January 15th, 2019. Our engineer is recommending awarding the contract to the low bidder, August Winters, in the amount of $4,378,357. Keep in mind this bid cost does not include contingency or engineering

Return to Agenda

(which we will talk about next). Factoring in those other costs the anticipated budget for the project is:

Low bid construction contract:	$4,378,357
Proposed Engineering/Construction Admin:	$ 254,747
Contingency (5%)	$ 218,915
Total project budget	$4,852,019

- *Possible/Recommended Motion: I make a motion that city council considers awarding a contract to August Winters in the amount of $4,378,357 for the Waste Water Treatment Plant Digester and Waste Receiving Station Project.*

- Approve an Engineering Services Agreement with Donohue & Associates, Inc. in the amount of $254,747 for construction related services for the WWTP Digester & Waste Receiving Station project. The other part of the WWTP project includes hiring the engineer for Construction Administration services for the project. Enclosed in your packet is a copy of the contract amendment which would hire Donohue & Associates for this phase.

  - *Possible/Recommended Motion: I make a motion that city council considers approving the amendment to the existing Donohue & Associates agreement in the amount of $254,747 for construction administration services for the Waste Water Treatment Plant Digester & Waste Receiving Station project.*

- Review of upcoming Cedar Street & North Ridge Drive reconstruction plan- Don, Ben, Steve and I met with our engineer from McMahon's on January 29th. Enclosed in your packet are the initial mark ups for the project. As of this time based on the engineers survey of the existing conditions, we should not be looking at a full reconstruction of the utilities, but rather spot repair of some identified issues (broken storm sewer leads, replacement of some of the storm sewer inlets, replacement of some of the manhole covers, spot curb replacement, etc.). One item I want to have a little discussion on is the consideration of adding storm sewer laterals to properties along the project route. This would be a proactive start in providing properties the best way to discharge their sump pump water, rather than into the street or the sanitary sewer system. If we do that we'll have to look at completing the assessment process to charge property owners for the cost of the storm laterals. At this time our engineer feels that an assessment cost (for work in the right of way only) would be about $1,200 per property. We could set that up on a payment plan similar to how the sanitary laterals were assessed on Division Street. We're looking to bid the project out in the next few weeks with a bid opening in mid-March.

Other Matters & Updates

- High Street and Industrial Loop Road Rail Road Improvements – We had a conference call with the CN rep on Thursday January 31st. Our initial plan was to install concrete on Industrial Loop road to match the street on both sides of the R.R. R-O-W. We found out that it's CN's policy to ONLY have asphalt approaches to their rails, so they will unfortunately be improved and replaced as asphalt. Our engineer is working on the designs based on our conversation and

Return to Agenda

we're probably going to look at bidding out the Cedar/Northridge project with these RR projects (as one bid contract).

- Klatt Road Sanitary Sewer and Water Extension- The preliminary plans have been created and we're waiting on the soil boring results. Unfortunately the geotechnical company tried to perform the borings on Friday January 25th and their equipment froze up. This past week was not any better, so we're waiting for the weather to warm up a bit so they can continue.

- Joe Kosmerchock (Street Operator) has provided notice of his retirement in March. We have decided to perform an internal posting first for the replacement as we have had some interest within for the job. If that doesn't pan out we'll be looking at an external posting.

Other Matters & Updates/Director's Report

- Years of Service Report:
    - Joe Kosmerchock completed 43 years of service on January 22nd

Return to Agenda

February 4th Board of Public Works Meeting

Wastewater Notes

January 15th was the bid opening for the digester reconstruction. August Winter was the lowest bid. Chad has included in this packet the bid tabulation and Letter of Recommendation from Donohue.

We are starting interviews for the Wastewater Operator II position this week. There were 13 candidates and 7 of them met the criteria for an interview. We should be done interviewing on Thursday the 7th.

The ferric chloride piping replacement done by August Winter went better than expected and is working well.

The State Lab of Hygiene Proficiency Testing that the DNR uses to make sure all wastewater laboratories are getting the same results was completed last week and submitted for review. We will find out the results on the 15th to see if we passed.

I have finished the annual Emergency Management application for the hazardous chemicals that are located on the treatment facility grounds.

At the January meeting we discussed the proposed Total Maximum Daily Load (TMDL) for phosphorus that the DNR is sending to the EPA for approval. During the meeting we discussed a Resolution from the City to state that we oppose the limits. A resolution would not have been passed in time for the public comments portion of the TMDL so I drafted a letter that was sent to the DNR by the January 18th deadline for public comment. It is in this packet for your read. We do not know for sure if the EPA is going to accept this proposal or if they will say it isn't strict enough. We will probably find out some time next year.

Return to Agenda

Wohlt Cheese							
	Flow	BOD		TSS		Phos.	
Month	gals	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	10307	1021	102	666	66	34.7	3.3
Feb							
Mar							
April							
May							
June							
July							
Aug							
Sept							
Oct							
Nov							
Dec							
Ave	10307	1021	102	666	66	34.7	3.3
Max	10307	1021	102	666	66	34.7	3.3
Min	10307	1021	102	666	66	34.7	3.3

Influent							
	Flow	BOD		TSS		Phos.	
Month	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	1.0427	206	1921	239	2220	4.5	43.6
Feb							
Mar							
April							
May							
June							
July							
Aug							
Sept							
Oct							
Nov							
Dec							
Ave	1.0427	206	1921	239	2220	4.5	43.6
Max	1.0427	206	1921	239	2220	4.5	43.6
Min	1.0427	206	1921	239	2220	4.5	43.6

Return to Agenda

Effluent							
	Flow	BOD		TSS		Phos.	
Month	mgd	mg/L	lbs	mg/L	lbs	mg/L	lbs
Jan	1.1869	2	26	4	39	0.3	2.7
Feb							
Mar							
April							
May							
June							
July							
Aug							
Sept							
Oct							
Nov							
Dec							
Ave	1.1869	2	26	4	39	0.3	2.7
Max	1.1869	2	26	4	39	0.3	2.7
Min	1.1869	2	26	4	39	0.3	2.7
	Limit:	25		30		1.0	

Utility							
Month	Rain in.	Super-natent gal	Ferric gal	Methane ft^3	Natural Gas ft^3	Water gal	Electricity
Jan	0.12	10,037	89	43	44	774	
Feb							
Mar							
April							
May							
June							
July							
Aug							
Sept							
Oct							
Nov							
Dec							
Ave	0.12	10,037	89	43	44	774	
Max	0.12	10,037	89	43	44	774	0
Min	0.12	10,037	89	43	44	774	0

Return to Agenda

Hauled Waste		
Month	Holding	Septic
	Total gals	Total gals
Jan	723,050	62,250
Feb		
Mar		
April		
May		
June		
July		
Aug		
Sept		
Oct		
Nov		
Dec		
Total:	723,050	62,250
$/gal	0.00875	0.02000
Total:	$6,326.69	$1,245.00

Mercury		
Quarterly	Inf	Eff
	ug/L	ug/L
Jan		
Feb		
Mar		
April		
May		
June		
July		
Aug		
Sept		
Oct		
Nov		
Dec		
Max	0.00	0.00
Min	0.00	0.00
	Limit:	1.30

Ammonia	
Month	mg/L
Jan	<.14
Feb	
Mar	
April	
May	
June	
July	
Aug	
Sept	
Oct	
Nov	
Dec	

Whole Effluent Toxicity
Pass

Fecal Coliform	
Month	
May	
June	
July	
Aug	
Sept	
Limit	400

Return to Agenda

New London Wastewater Treatment Facility
215 N. Shawano St.
New London, WI 54961

January 18th, 2019

Keith A. Marquardt
Wisconsin Department of Natural Resources
625 E County Road Y, Suite 700
Oshkosh WI 54901

Hello Mr. Marquardt,

This letter is in regards to the proposed Total Phosphorus TMDL that was released for public comment on November 30th 2018. I had brought this subject to the New London Board of Public Works at the January meeting held on January 7th 2019 to describe your findings and to address how this proposed ruling will affect the treatment facility's future discharge. The Board felt the proposed limits are restrictive and do not address the major contributors to the Total Suspended Solids and Total Phosphorus loadings to the Wolf River watershed. The following comments address the concerns of the City regarding the proposed Total Maximum Daily Load (TMDL).

During the Public Hearing on December 15th 2018, it was stated that a 73% reduction in phosphorus loadings from all sources in the Fox / Wolf River watershed basin over the course of 75 years will bring the total phosphorus concentration down to 0.040 mg/L in Lake Winnebago and the pool lakes. Using Figure 15 on page 69 in the Total Maximum Daily Loads for Total Phosphorus and Total Suspended Solids – Upper Fox and Wolf Basins – Public Hearing Draft, November 30th 2018, only 11% of the total phosphorus loading from the Wolf River basin is from wastewater treatment facilities. A 73% reduction from wastewater treatment facilities would result in 8% removal of the total phosphorus loading. This still leaves 66% of the total phosphorus loadings coming from non-point agricultural contributors. If it is known that two thirds of total phosphorus is coming from these areas, shouldn't this be the main focus of the TMDL? Other than Concentrated Animal Feed Operations (CAFO), the proposed TMDL outlines reductions in other agricultural activities but appear to only be recommendations of best management practices and not limits for the property owners in which the pollution comes from. Whenever we request fields for sludge application, the DNR provides maps with setbacks and other information in a matter of hours. With today's GIS programs and other technology why isn't the DNR, counties or townships pinpointing and enforcing problem areas in their portion of the watershed?

Section 7.3.10 and 7.3.11 on page 101 of the draft TMDL outline options to which municipalities can pay for and manage the non-point sources in their vicinity to reduce the burden of their permit level. Due to the lower Median Household Income for the City of New London it would be irresponsible to require rate payers to pay more for sewerage services that are not utilized in the community. New London does not have the manpower to implement, oversee and enforce best management practices for farms in the same watershed as the City. If New London were to undertake land management of a farm that does not utilize a nutrient management program, there is no guarantee that the City will receive long term credits for total phosphorus during the course of a 5 year permit. This is especially true if the river or tributary has many farms where no nutrient management program is followed and nutrient pollution is significant.

Return to Agenda

The economic impact on the rate payers for having to refurbish the treatment facility to meet lower limits on total phosphorus will total roughly four to five million dollars. This would be an additional $5.00 - $7.00 per thousand gallons of water used. A large percentage of our community is already struggling to pay their utility bills. As stated in Section 7.3 on page 105 of the proposed TMDL, there are many avenues in which non-point dischargers can get economic assistance without relying on funding from treatment facilities. These agricultural based programs would have better phosphorus reduction results per dollar spent than improvements at the treatment facility.

The proposed TMDL could eliminate much needed revenue for the City. Future growth in New London's industrial parks could be stifled if corporations have to pay higher sewerage costs or limit their ability to discharge due to phosphorus loading caps. This exacerbates the Median Household Income issue stated earlier where good paying jobs would not come to the area.

In the past the New London Wastewater Treatment Facility has been proactive in taking in contaminated water from environmental issues. In 2017 a farmer spread manure on a field with a significant slope during the winter. A January thaw caused snow to melt and liquid manure flowed into a tributary and up to wells at neighboring houses. We took in thousands of gallons free of charge to help out. After the Blizzard of 2018 we took in almost 4,000,000 gallons of pond waste from a local food processor to prevent them from discharging untreated waste into a river. Does the DNR have a plan to forgive treatment facilities if they violate the permit while rendering aid during an environmental crisis? If not, the proposed TMDL could be restrictive to the point we would have to deny aid rather than pay fines for being a Good Samaritan.

Lastly a question on how penalties are quantified. The 2022 WPDES Permit will surely outline the penalties regarding excessive discharge for New London's outfall but there is some confusion as to how the Department will determine a violation.
In the current monthly Discharge Monitoring Report (DMR) forms there are columns for Daily Maximum, Daily Minimum, Weekly Averages and Monthly Averages. According to *Appendix H Total Phosphorus Allocation Table 3*, New London will be allocated 2.8 pounds of total phosphorus per day or 1,038 pounds per year. What parameter will the violation be determined? Daily, Monthly or Annual? In 2017 the New London Wastewater Treatment Facility had effluent phosphorus discharges where some months the daily average and monthly average for pounds generated exceeded 2.8 pounds per day. The pounds of phosphorus charged on the **NR101 Wastewater Fee** for 2017 was 941.3 pounds for the year. This is 96.7 pounds less than what the proposed allocation is. Would any violations be levied against the Facility?

Thank you for your time and I look forward to your response. If you have any questions please do not hesitate to contact me.

Regards,

Gary Henke

Gary Henke, Mayor
City of New London

Return to Agenda

FINAL RESOLUTION
AUTHORIZING AN AMENDMENT ON
IMPROVEMENTS AND LEVYING
SPECIAL ASSESSMENTS
AGAINST BENEFITTED PROPERTY

RESOLUTION NO. _____

WHEREAS, a public hearing was held for the City of New London, Waupaca-Outagamie Counties, Wisconsin, in the Council Chambers of the Municipal Building at 4:35 P.M. on February 4th, 2019 for the purpose of hearing all interested persons concerning the Preliminary Resolution and Report of the Director of Public Services for reconstruction of sanitary laterals within the rights-of-way of all property fronting upon the following streets:

SANITARY LATERAL REHABILITATION:

All property fronting upon both sides of Starlight Drive from the intersection of North Star Court to the intersection of Klatt Road.

NOW, THEREFORE, BE IT RESOLVED, by the Common Council of the City of New London, Waupaca-Outagamie Counties, Wisconsin, as follows:

1. That after review of the improvements, the final costs varied materially from the estimates and that the New London City Council is amending the Final Assessment Resolution 1333, passed on March 14th, 2017.

2. That the Report of the Director of Public Services pertaining to the construction of the above described improvements, including final plans and specifications therefore, is hereby adopted and approved.

3. That the Board of Public Works is authorized and/or directed to carry out the work of such improvement in accordance with the Report of the Director of Public Services.

4. That payment for said improvements be made by assessing the cost to the property benefited as indicated in said Report.

5. That the assessments shown on said Report are corrected costs and have been determined on a reasonable basis and are hereby confirmed.

6. That the assessments for all projects included in said Report are hereby combined as single assessment, but any interested property owner shall be entitled to object to any assessment separately or all assessments jointly for any purpose or purposes.

7. That the assessments may be paid in cash in ten (10) annual installments to the City Treasurer, deferred payments to bear interest at the rate of 1% per annum on the unpaid balance. Installments or assessments not paid when due, shall bear additional interest on the amount due at the rate of 1% per annum.

Return to Agenda

8. The City Clerk is directed to publish this Resolution as a Class I Notice in the official newspaper.

9. The City Clerk is further directed to mail a copy of this amended Resolution and a statement of final assessment against this property to every property owner whose name appears on the assessment roll whose post office address is known or can with reasonable diligence be ascertained.

Adopted this 12th day of February, 2019

Published_____

_____
Dave Morak, Council President

Attest:

_____
Jackie Beyer, Clerk

Return to Agenda

School District of New London

DISTRICT ADMINISTRATION OFFICE
901 West Washington Street
New London, WI 54961
Phone (920) 982-8530
Fax (920) 982-8551

Dennis Krueger, District Administrator dkrueger@newlondon.k12.wi.us
Danielle Sievert, Director of Teaching and Learning dsievert@newlondon.k12.wi.us
Laurie Schmidt, Director of Pupil Services lschmidt@newlondon.k12.wi.us
Joseph Marquardt, Director of Business Services jmarquar@newlondon.k12.wi.us

EQUAL OPPORTUNITIES IN EMPLOYMENT - CURRICULUM - ACTIVITIES

January 18, 2019

City of New London
Attn: Chad Hoerth, Director of Public Services
215 N. Shawano St
New London, WI 54961

Re: Letter to Board of Public Works – Street Lighting on Klatt Road

Dear Chad and Board:

On behalf of the school district, we request that the Board of Public Works consider lighting the roadway on Klatt Road coming down (west) from W off of Cedarhurst Drive and County HWY W to the high school entrance across from Starlight Drive.

We have families, students and pedestrians that walk through that intersection and then onto our walking path on a regular basis. At night, this can be an especially dangerous area because it can be hard to see. We sincerely appreciate the pole light that was installed this past fall on the corner. With the potential development, the area will only get busier and I feel that lighting is a proactive measure at this time.

Below you can see a Google view of this area along Klatt I am referencing. I will plan to attend the meeting in February to answer any questions and support our request on behalf of the school district.

Please contact me if you have questions before the meeting at 920-982-8530 or jmarquar@newlondon.k12.wi.us

Sincerely,

Joseph Marquardt
Director of Business Services

Return to Agenda

Donohue & Associates, Inc.
3311 Weeden Creek Road | Sheboygan, WI 53081
920.208.0296 | donohue-associates.com

January 21, 2019

Chad Hoerth
City of New London
Director of Public Services
215 N. Shawano St.
New London, WI 54961

Re: Wastewater Treatment Facility Digestion Improvements
Bidding Letter of Recommendation

Dear Chad:

Pursuant to the Official Notice to Bidders, sealed bids for the above referenced projects were received at the New London Municipal Building on January 15, 2019 at 11:00 a.m. and publicly opened and read aloud. We have reviewed all the Bids received for the Work and have enclosed a copy of the Bid Tabulation for your information.

Of the four prequalified bidders, three sealed bids were received from August Winter & Sons, JF Ahern, and Staab Construction. The apparent low bidder was August Winter; however, their bid does contain a small mathematical error in the Unit Price Schedule. The Total of All Bid Prices is written as $3,380,500 but adding items 1-7 together results in a total of $3,380,557. Article 14.01.C. of the Instructions to Bidders states that "discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum." The corrected $3,380,557 amount must be used in determining the low bidder. The low bidder for this project is determined by lowest sum of the Total Bid Price in the Unit Price Schedule plus the cost of Alternate 1 – HSW System.

The total low bid for project was submitted by August Winters & Sons, in the amount of $4,378,357. JF Ahern submitted a total bid price of $4,380,000 and Staab a total price of $4,687,000. Donohue's final design estimate of probable construction costs was $4,560,000 with an expected range from $4.2 to $4.8 million.

It is our opinion that the low Bidder submitted a responsive bid and is qualified and capable of performing the Work as specified. It is therefore recommended that construction contract be awarded to August Winters & Sons for the price of $3,380,557 plus the cost of Alternate 1 should the City accept it. Accepting Alternate 1 would increase the project cost $997,800 to a total of $4,378,357. Alternate 1 was included in the project as a possible cost savings measure so that the minimum essential work on the digesters could still proceed if bids came in over budget. With the bids coming in within budget, and the cost of the alternate also priced as expected, we recommend accepting Alternate 1.

Please note, the Base Bid (Type II) Material Equipment Schedule included on the project Bid Form (attached) allows the City to select alternate manufacturers for several pieces of equipment, potentially impacting the contract price. The Contractor will supply the "A" manufacturer unless the City selects one of the alternate suppliers within 30 days of signing the construction contract. If an alternate supplier is selected a change order will be processed reflecting the difference in installed cost between the "A"

Return to Agenda

supplier and the selected alternate supplier. Prior to this deadline Donohue will discuss the "B and C" manufacturer options with the City.

We respectfully present these recommendations for the City's review and consideration. Award of the contract should be made by Resolution followed by official notification to the successful bidder. We will be pleased to answer any questions concerning the recommendations set forth herein.

Sincerely,

Aric Bergstrom, PE
Project Manager

Enclosures: Bid Tabulation

Copy: Eric Lynne, Donohue & Associates, Inc.

Return to Agenda

City of New London
Wastewater Treatment Facility
Digestion Improvements
Bid Tabulation

Bids Opened January 15, 2019, 11:00 a.m.

Item	Bidder	Bidder	Bidder	Engineer's Est.
Bidder Name	August Winter	JF Ahern	Staab	
Prequalification Received	Yes	Yes	Yes	
Addendum 1 - 4 Acknowledged	Yes	Yes	Yes	
Bid Security Present	Yes	Yes	Yes	
Sub-Contractor Listing	Yes	Yes	Yes	
Material and Equipment Schedule	Yes	Yes	Yes	
Total Base Bid Price	**$3,380,557**	**$3,323,000**	**$3,724,000**	
Alternate 1 - HSW System	**$997,800**	**$1,057,000**	**$963,000**	
Total	**$4,378,357**	**$4,380,000**	**$4,687,000**	**$4,560,000**

Return to Agenda

BASE BID (TYPE I) MATERIAL AND EQUIPMENT SCHEDULE			
Specification Section	**Item**	**Supplier**	**Amount To Be Deducted From Bid Price**
11314	Recessed Impeller Centrifugal Sludge Pumping Equipment	(A) Wemco	
		(B) Hayward Gordon	
		(C) Fairbanks Nijhuis	
		(substitute)	$
11318	Rotary Lobe Pumping Equipment	(A) Vogelsang	
		(B) Boerger	
		(C) Netzch	
		(substitute)	$
11318 and 11390	Biogas Safety Equipment and Waste Gas Burner	(A) Varec Biogas	
		(B) Groth Corporation	
		(C) Shand & Jurs	
		(substitute)	$
13400	Process Control and Instrumentation	(A) Energenecs	
		(B) B&M Technical Services	
		(C) Integrated Process Solutions	
		(substitute)	$

BASE BID (TYPE II) MATERIAL AND EQUIPMENT SCHEDULE				
Spec Section	**Item**	**Supplier**	**Supplier's Price**	**Installed Cost**
11280	Water Booster Pump Systems	(A) Grundfos	$ 40,000	$ 42,000
		(B) Bell and Gossett	$ 47,000	$ 49,000
		(substitute)	$	$
11335	High Strength Waste Receiving Station	(A) Enviro-Care, Inc.	$ 159,000	$ 165,000
		(B) Huber Technologies, Inc.	$ 162,000	$ 168,000
		(substitute)	$	$
11381	Submersible Mixing Equipment	(A) Flygt	$ 19,500	$ 21,000
		(B) Landia	$ no bid	$ no bid
		(C) KSB	$ no bid	$ no bid
		(substitute)	$	$

Return to Agenda

AMENDMENT NO. 1 to
ENGINEERING SERVICES AGREEMENT
Design of Digester Improvements (Project)
Original Agreement Executed March 19, 2018

This Amendment is by and between:

City of New London (Owner)
215 N. Shawano Street
New London, WI 54961

and

Donohue & Associates, Inc. (Donohue)
3311 Weeden Creek Road
Sheboygan, WI 53081

Who agree to amend the original Agreement, as follows:

PART I – B. SCOPE OF SERVICES

The services have been modified to include the following additional activities:

1. Construction Related Services (CRS):

   Upon award of a construction contract by the Owner, Donohue shall provide the following construction related services for the project:

   a. *General Administration of Construction Contract.* Consult with Owner and act as Owner's representative as Engineer provided for in the Standard Terms and Conditions (STC) of the Contract Documents as included in the Project Manual. The extent and limitations of the duties, responsibilities and authority of Engineer as assigned in said STC shall not be modified, except as Engineer and Owner may otherwise agree in writing.

   b. *Conformed to Contract Documents.* Develop an unofficial set of documents denoted as Conformed to Contract documents inclusive of bid plans and specifications, all addenda, and selected alternatives. Provide digital copies to Engineer, Owner, and Contractor for use throughout construction.

   c. *Pre-Construction Conference and Progress Meetings*. Attend and conduct a Pre-Construction Conference for the project prior to commencement of Work at the project site. Also attend twelve monthly construction progress meetings, conducted by the Contractor, for the project. Engineer to prepare and distribute minutes for Pre-Construction Conference and Contractor shall prepare and distribute all monthly progress meeting minutes.

Return to Agenda

d. *Visits to Site and Observation of Construction.* Perform the following services in connection with observations of Contractor's work in progress for the project:

i) Provide part-time construction observation services to document and monitor construction activities. Make visits to the Site at intervals appropriate to the various stages of construction, as Engineer deems necessary, in order to observe as an experienced and qualified design professional the progress and quality of the Work. Such visits and observations by Engineer and the Resident Project Representative are not intended to be exhaustive or to extend to every aspect of a Contractor's work in progress or to involve detailed inspections of a Contractor's work in progress beyond the responsibilities specifically assigned to Engineer in this Agreement and the Contract Documents, but rather are to be limited to spot checking, selective sampling, and similar methods of general observation of the Work based on Engineer's exercise of professional judgment as assisted by the Resident Project Representative. Based on information obtained during such visits and such observations, Engineer will determine in general if a Contractor's work is proceeding in accordance with the Contract Documents, and Engineer shall keep Owner informed of the progress of the Work.

ii) The purpose of Engineer's visits to, and representation by the part-time Resident Project Representative at the project site, will be to enable Engineer to better carry out the duties and responsibilities assigned to and undertaken by Engineer during the Construction Phase. Engineer shall not, during such visits or as a result of such observations of a Contractor's work in progress, supervise, direct, or have control over a Contractor's work, nor shall Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by a Contractor, for safety precautions and programs incident to a Contractor's work, or for any failure of a Contractor to comply with Laws and Regulations applicable to Contractor's furnishing and performing the Work. Accordingly, Engineer neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the Contract Documents. The Engineer shall provide up to 384 hours of on-site observation (48 visits of 8-hours/visit) for periodic review of project status and quality.

e. *Defective Work.* Recommend to the Owner that a Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, Engineer believes that such work will not produce a completed project that conforms generally to the Contract Documents or that it will prejudice the integrity of the design concept of the completed project as a functioning whole as indicated in the Contract Documents.

f. *Clarifications and Interpretations; Field Orders.* Issue necessary clarifications and interpretations of the Contract Documents as appropriate to the orderly completion of each Contractor's work. Engineer may issue Field Orders authorizing minor variations from the requirements of the Contract Documents.

g. *Change Orders and Work Change Directives.* Recommend Change Orders and Work Change Directives to Owner and prepare Change Orders and Work Change Directives for approval by Owner as required. In addition, the Engineer shall prepare all documentation that appropriate

governmental authorities having jurisdiction over the project may require for review and approval of the change orders.

h. *Shop Drawings and Samples.* Provide a technical review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept of the project as a functioning whole as indicated in the Contract Documents. Such reviews and approvals or other action will not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions and programs incident thereto.

i. *Applications for Payment.* Based on Engineer's observations of the Contractor's completed work and on review of applications for payment and accompanying supporting documentation from Contractor, the Engineer shall:

    i) Determine the amounts that Engineer recommends that the Contractor be paid. Such recommendations of payment will be in writing and will constitute Engineer's representation to the Owner, based on such observations and review to the best of Engineer's knowledge, information and belief, that a Contractor's work has progressed to the point indicated, the quality of such work is generally in accordance with the Contract Documents and the conditions precedent to a Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Contractor's work.

j. *Substantial Completion.* Promptly after written notice from each Contractor that each Contractor considers the entire Work, or portions of the completed Work, are ready for its intended use, in company with Owner, and Contractor, conduct an inspection to determine if the Work is Substantially Complete. The Engineer shall prepare a "punchlist" of any observed deficiencies during the inspection. At the direction of the Owner, the Engineer shall prepare and deliver a Certificate of Substantial Completion to Owner and Contractor.

k. *Record Documents.* Receive annotated record documents from Contractor, which are to be assembled by the Contractor in accordance with the Contract Documents to obtain final payment. Prepare Record Drawings showing appropriate record information based on the project annotated record documents received from each Contractor. The completed Record Drawing deliverables for the project shall consist of two 11"x17" size printed-paper sets and an electronic sets in PDF format.

l. *Startup Services:* Develop training materials and provide system startup and operational training modules for digester mixing, digester heat loop, and high strength waste receiving unit processes up to 176 hours.

m. *Additional Services:* Provide additional onsite construction observation or startup services as requested by the Owner on a per diem basis.

Return to Agenda

PART III – A. COMPENSATION

Compensation for the services set forth in Part I shall be increased $254,747, resulting in a total contract amount of $377,747.

APPROVED FOR OWNER

By: _____

Printed Name: Gary Henke

Title: Mayor

Date: _____

APPROVED FOR DONOHUE

By: _____

Printed Name: Michael Stohl

Title: Vice President

Date: _____

Return to Agenda

Fees and Expenses: CONSTRUCTION RELATED SERVICES

Wastewater Treatment Plant Digestion Improvements

City of New London

	Donohue Labor Hours												Totals		
Discipline/Role >	Mgmt	Construction	Civil	Structural	Process	Mechanical	Operations	Electrical	Electrical	I&C	Admin	CRS			
	PIC	PM	Senior	Senior	Staff	Junior	Staff	Lead	Staff	Staff	Staff	RPR			
Person >	Lynne	Howe Bergstrom	Webb	Reimes	Holzem	Halbach	Crouse	Berktold	Faridi	Grunwald	Admin I	Crouse	Labor	Expenses	Total
Construction Duration Average Rate: 2019 >	145	175	160	145	130	115	130	185	130	115	60	130			
No. **Description**															
Construction Contract Document Execution and CTC Documents	4	8			8						8		$3,500		$3,500
General Administration of Construction Contract (4 hours/week w/add-ons)		200											$35,000		$35,000
Pre-construction Conference and Monthly Meetings		104											$18,200	$1,346	$19,546
Designer Visits to the site & Observation of Construction (dev punch list)	4		8	16	8	8		8	8	8			$9,580	$207	$9,787
Addressing Defective Work		24											$4,200		$4,200
Contract Document Clarifications and Interpretations		24	8	16	24	8		8	16	16			$17,240		$17,240
Prepare Change Orders and Work Change Directives		72	8	16	24	8		4	16	16			$24,900		$24,900
Technical Review of Contractor-Prepared Shop Drawings		16	8	32	40	24		8	32	40	80		$31,720		$31,720
Disagreements Between Owner and Contractor	4	24											$4,780		$4,780
Contractor Payment Application Review		24											$4,200		$4,200
Substantial Completion		32											$5,600		$5,600
Final Acceptability of the Contractor's Work		8											$1,400		$1,400
Construction Record Drawings		8			40								$6,600		$6,600
Startup Services / SOP or O&M of Systems	4	8					176						$24,860		$24,860
Resident Project Representative (PT for 12 months, 48 visits, 8 hours per)												384	$49,920	$4,970	$54,890
Total Hours	16	552	32	80	144	48	176	28	72	80	88	384	1,700		1,700
Total Fees and Expenses													241,700	6,524	254,747

Return to Agenda

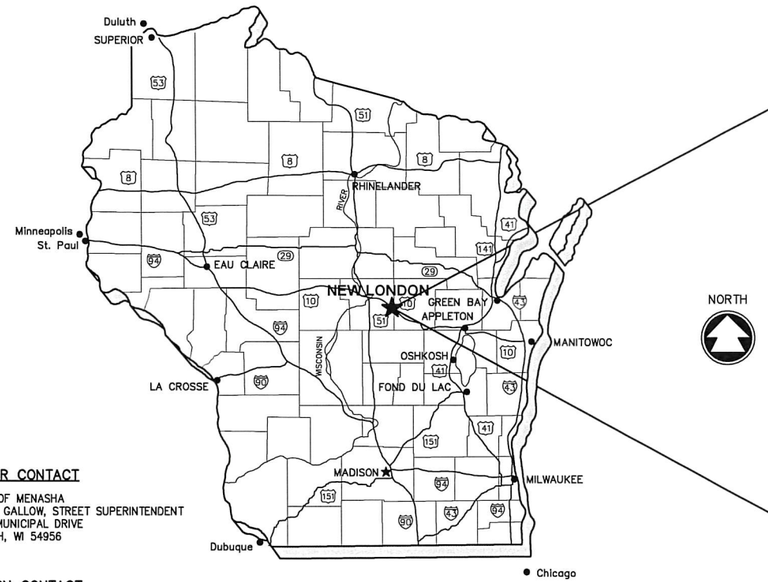
CEDAR STREET & NORTHRIDGE DRIVE
SEWER, WATER & STREET CONSTRUCTION
CITY OF NEW LONDON

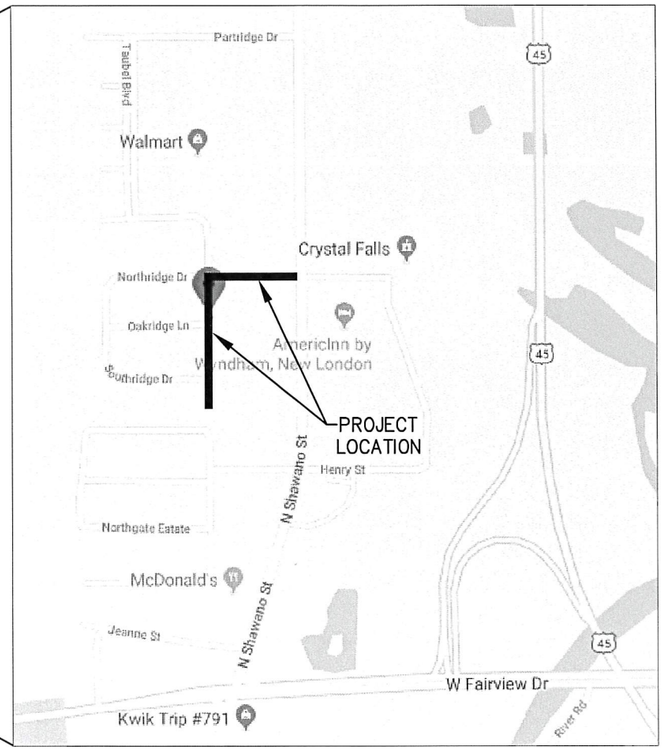
WAUPACA COUNTY, WISCONSIN
MCM # N0009 9-18-00845

MINIMUM CURB REPLACEMENT

PVC PIPE OUT of Round

STORM SEWER NEEDS CLEANING





CONTACT INFORMATION

UTILITIES

WE ENERGIES
JIM QUINN (ELECTRIC)
KENNETH VAN OSS (GAS)
800 SOUTH LYNNDALE DRIVE P.O. BOX 1699
APPLETON, WI 54912
(920) 380-3401 (ELECTRIC)
(920) 380-3318 (GAS)
jim.quinn@we-energies.com

AT&T
VINCE LEBRUN
221 WEST WASHINGTON STREET FLOOR 4
APPLETON, WI 54911
(920) 735-3252
vl1253@att.com

TIME WARNER CABLE
VINCE ALBIN
1001 KENNEDY AVENUE PO BOX 145
KIMBERLY, WI 54136-0145
(920) 831-9211
vince.albin@twcable.com

TOWN OF MENASHA, UTILITY DISTRICT
STEVE LAABS (SANITARY SEWER)
JEFF ROTH (WATER)
2340 AMERICAN DRIVE NEENAH, WI 54956
(920) 739-5120
stevel@town-menasha.com
jeffr@town-menasha.com

OWNER CONTACT

TOWN OF MENASHA
RANDY GALLOW, STREET SUPERINTENDENT
2000 MUNICIPAL DRIVE
NEENAH, WI 54956

DESIGN CONTACT

McMAHON ASSOCIATES, INC.
LEE REIBOLD
1445 McMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200
lreibold@mcmgrp.com

DNR LIAISON

DEPARTMENT OF NATURAL RESOURCES
BOBBI JO FISCHER
427 EAST TOWER DRIVE SUITE 100
WAUTOMA, WI 54982
(920) 787-4686 x3007
Bobbi.Fischer@Wisconsin.gov

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

McMAHON
ENGINEERS ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

SHEET INDEX

01 – ABBREVIATIONS, SYMBOLS & NOTES
01 – ABBREVIATIONS, SYMBOLS & NOTES
03 – CEDAR STREET
04 – CEDAR STREET
05 – NORTHRIDGE DRIVE
06 – MISCELLANEOUS DETAILS

DATE
12/2018
PROJECT NO.
N0009 9-18-00845

Return to Agenda

C:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\00-Title-Notes-Details.dwg, 00 Title, 1/25/2019 2:42:12 PM, RSchmechel, 1:2
C:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\00-Title-Notes-Details.dwg, 00 title, Plot Date: 1/25/2019 2:42 PM, xrefs:none
RSchmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\00-Title-Notes-Details.dwg, 00 title, Plot Date: 1/25/2019 2:42 PM, xrefs:none

r:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\00-Title-Notes-Details.dwg, 01 Abbreviations Symbols & Notes, 1/25/2019 2:42:13 PM, RSchmechel, 1:2
schmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\00-Title-Notes-Details.dwg, 01 abbreviations symbols & notes, Plot Date: 1/25/2019 2:42 PM, xrefs:none

STANDARD ABBREVIATIONS

AC	ACRE
AGG	AGGREGATE
AH	AHEAD
ASPH	ASPHALT PAVEMENT
AVG	AVERAGE
B-B	BACK TO BACK
BEG	BEGIN
BIT	BITUMINOUS
BK	BACK
B/L	BASE LINE
BLDG	BUILDING
BM	BENCH MARK
BOC	BACK OF CURB
BRG	BEARING
C-C	CENTER TO CENTER
CY	CUBIC YARD
C&G	CURB AND GUTTER
CB	CATCH BASIN
CE	COMMERCIAL ENTRANCE
CHD	CHORD
C/L	CENTER LINE
CL	CLASS (FOR CONC PIPE)
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CONC	CONCRETE
CORR	CORRUGATED
CP	CONTROL POINT
CR	CRUSHED
CS	CURB STOP
CSW	CONCRETE SIDEWALK
CTH	COUNTY TRUNK HIGHWAY
CULV	CULVERT
D	DEPTH OR DELTA
DI	DUCTILE IRON
DIA	DIAMETER
DIS	DISCHARGE
EA	EACH
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EG	EDGE OF GRAVEL
ELEV	ELEVATION
ELEC	ELECTRIC
EMB	EMBANKMENT
EMAT	EROSION MAT
ENT	ENTRANCE
EOR	END OF RADIUS
EP	EDGE OF PAVEMENT
EXC	EXCAVATION
EX	EXISTING
EW	ENDWALL
F-F	FACE TO FACE
FDN	FOUNDATION
FE	FIELD ENTRANCE
FERT	FERTILIZER
FG	FINISHED GRADE
F/L	FLOW LINE
FT	FOOT
FTG	FOOTING
GRAV	GRAVEL
GN	GRID NORTH
GV	GAS VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HE	HIGHWAY EASEMENT
HMA	HOT MIX ASPHALT
HP	HIGH POINT
HT	HEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
IN	INCH
INL	INLET
INV	INVERT
IP	IRON PIPE
JCT	JUNCTION
LB	POUND
LF	LINEAR FOOT
LP	LIGHT POLE

LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAINT	MAINTENANCE
MAT'L	MATERIAL
MAX	MAXIMUM
MIN	MINIMUM
MH	MANHOLE
MP	MILE POST
NB	NORTHBOUND
NO	NUMBER
NOR	NORMAL
OD	OUTSIDE DIAMETER
OBLIT	OBLITERATE
PAV'T	PAVEMENT
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE
PE	PRIVATE ENTRANCE
PED	PEDESTAL
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
P/L	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PROP	PROPOSED
PSD	PASSING SIGHT DISTANCE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE OR POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
REBAR	REINFORCEMENT ROD
REM	REMOVE
RECON	RECONSTRUCT
REQ'D	REQUIRED
R/L	REFERENCE LINE
RP	RADIUS POINT
RR	RAILROAD
RT	RIGHT
R/W	RIGHT-OF-WAY
SB	SOUTHBOUND
SE	SUPERELEVATION
SF	SQUARE FEET
SI	SLOPE INTERCEPT
STH	STATE TRUNK HIGHWAY
SY	SQUARE YARD
SALV	SALVAGED
SAN	SANITARY
SEC	SECTION
SHLDR	SHOULDER
S/L	SURVEY LINE
SQ	SQUARE
STA	STATION
STD	STANDARD
STO	STORM
SW	SIDEWALK
TC	TOP OF CURB
TEL	TELEPHONE
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
USH	U.S. HIGHWAY
VAR	VARIES
VC	VERTICAL CURVE
VERT	VERTICAL
WB	WESTBOUND
WM	WATER MAIN
WV	WATER VALVE

GENERAL NOTES

1. THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
3. EXISTING STREET RIGHT-OF-WAY AND INTERSECTING PROPERTY LINES ARE ESTABLISHED FROM FIELD LOCATED SURVEY MONUMENTATION, PREVIOUS SURVEYS, PLATS AND CURRENT PROPERTY DEEDS.
4. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
5. A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
6. ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
7. DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

STANDARD SYMBOLS (PLAN VIEW ONLY)

- 2" IRON PIPE FOUND
- 1 1/4" REBAR FOUND
- 1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET
- 1" (1.315 OD) IRON PIPE FOUND
- 1" IRON PIPE SET
- 3/4" IRON REBAR FOUND
- 3/4" IRON PIPE FOUND
- 3/4"x 24" IRON REBAR WEIGHING 1.5 LB/LF SET
- MAG NAIL FOUND
- MAG NAIL SET
- MAG SPIKE FOUND
- MAG SPIKE SET
- CHISEL CROSS FOUND
- CHISEL CROSS SET
- COUNTY MONUMENT
- CONCRETE MONUMENT FOUND
- CONTROL POINT HORIZONTAL
- VERTICAL BENCHMARK
- SB or MW — SOIL BORING or MONITORING WELL
- POWER POLE
- POWER POLE W/GUY WIRE
- TELEPHONE OR TELEVISION PEDESTAL
- MB — MAILBOX
- SIGN
- RAILROAD CROSS BUCK
- RAILROAD GATE ARM
- RAILROAD TRACKS
- LIGHT POLE
- WOOD POLE
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL MAST ARM
- CONIFEROUS TREE
- DECIDUOUS TREE
- TREE OR BRUSH LINE
- BED ROCK (IN PROFILE VIEW)
- HANDICAPPED PARKING STALL
- EXISTING SPOT ELEVATION
- × 750.00 — PROPOSED SPOT ELEVATION
- DRAINAGE HIGH POINT
- DRAINAGE DIRECTION
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING INLET
- PROPOSED INLET
- EXISTING YARD DRAIN
- PROPOSED YARD DRAIN
- CO — EXISTING CLEAN OUT
- CO — PROPOSED CLEAN OUT
- EXISTING DOWNSPOUT
- PROPOSED DOWNSPOUT
- EXISTING WATER VALVE
- PROPOSED WATER VALVE
- EXISTING CURB STOP
- PROPOSED CURB STOP
- EXISTING FIRE HYDRANT
- PROPOSED FIRE HYDRANT
- PROPOSED WATER FITTING
- PROPOSED WATER REDUCER
- PROPOSED ENDCAP
- GAS VALVE

- —T— TELEPHONE CABLE – BURIED
- —E— ELECTRIC CABLE – BURIED
- —OHU— UTILITIES – OVERHEAD
- —FO— FIBER OPTIC CABLE – BURIED
- —G— GAS MAIN
- —TV— CABLE TELEVISION – BURIED
- DITCH LINE
- STREET C/L OR R/L
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- SECTION LINE
- 746 EXISTING CONTOURS
- 746 PROPOSED CONTOURS
- —FM— EXISTING FORCEMAIN SEWER
- SAN EXISTING SANITARY SEWER
- SAN PROPOSED SANITARY SEWER
- WM EXISTING WATER MAIN
- WM PROPOSED WATER MAIN
- STO EXISTING STORM SEWER
- STO PROPOSED STORM SEWER
- EXISTING CURB & GUTTER
- PROPOSED CURB & GUTTER
- PROPOSED REJECT CURB & GUTTER
- EXISTING CULVERT WITH END SECTIONS
- PROPOSED CULVERT WITH END SECTIONS
- BUILDING OUTLINE
- FENCE LINE
- SAW CUT REQ'D
- SILT FENCE
- GUARD RAIL
- DITCH CHECK
- INLET PROTECTION
- TRACKING PAD
- TURBIDITY BARRIER OR SHEET PILING
- SANDBAG COFFERDAM
- SLOPE INTERCEPT
- LIMITS OF DISTURBANCE

EXISTING PROPOSED

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK/DRIVEWAY
- GRAVEL
- RIP-RAP (SIZE AS SPECIFIED)
- BRICK/PAVERS
- PROPOSED EROSION MAT
- PROPOSED TURF REINFORCEMENT MAT (TRM)
- EXISTING DELINEATED WETLANDS
- PROPOSED ASPHALTIC DRIVEWAY

EROSION & SEDIMENT CONTROL PLAN

BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT http://www.dnr.wi.gov/runoff/stormwater/techstds.htm. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WIS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

REMOVE THE BOLD LINE AFTER YOU MODIFY "X"'s

[ ] LAND APPLICATION OF POLYACRYLAMIDE (1050)	[X] DE-WATERING (1061)
[ ] WATER APPLICATION OF POLYMERS (1051)	[ ] DITCH CHECK (1062)
[ ] NON-CHANNEL EROSION MAT (1052)	[ ] SEDIMENT TRAP (1063)
[ ] CHANNEL EROSION MAT (1053)	[ ] SEDIMENT BASIN (1064)
[ ] VEGETATIVE BUFFER (1054)	[ ] RIP-RAP (1065)
[ ] SEDIMENT BALE BARRIER (1055)	[ ] CONSTRUCTION DIVERSION (1066)
[ ] SILT FENCE (1056)	[ ] GRADING PRACTICES (1067)
[X] TRACKING PAD & TIRE WASHING (1057)	[X] DUST CONTROL (1068)
[X] MULCHING (1058)	[ ] TURBIDITY BARRIER (1069)
[X] SEEDING (1059)	[ ] SILT CURTAIN (1070)
[X] STORM DRAIN INLET PROTECTION (1060)	[ ] MANUFACTURED PERIMETER PRODUCTS (1071)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

A. DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
B. DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
C. DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
D. DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
E. DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
F. DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
G. DISCHARGE OF SEDIMENT FROM EROSIVE OUTLET FLOWS.
H. TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
I. TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

A. PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
B. MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
C. MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
D. MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
E. DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
F. TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
G. PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
H. CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

INSPECTION & MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

McMAHON
ENGINEERS \ ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

McMahon Associates, Inc. provides this drawing & data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon Associates, Inc. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon Associates, Inc. harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon Associates, Inc.

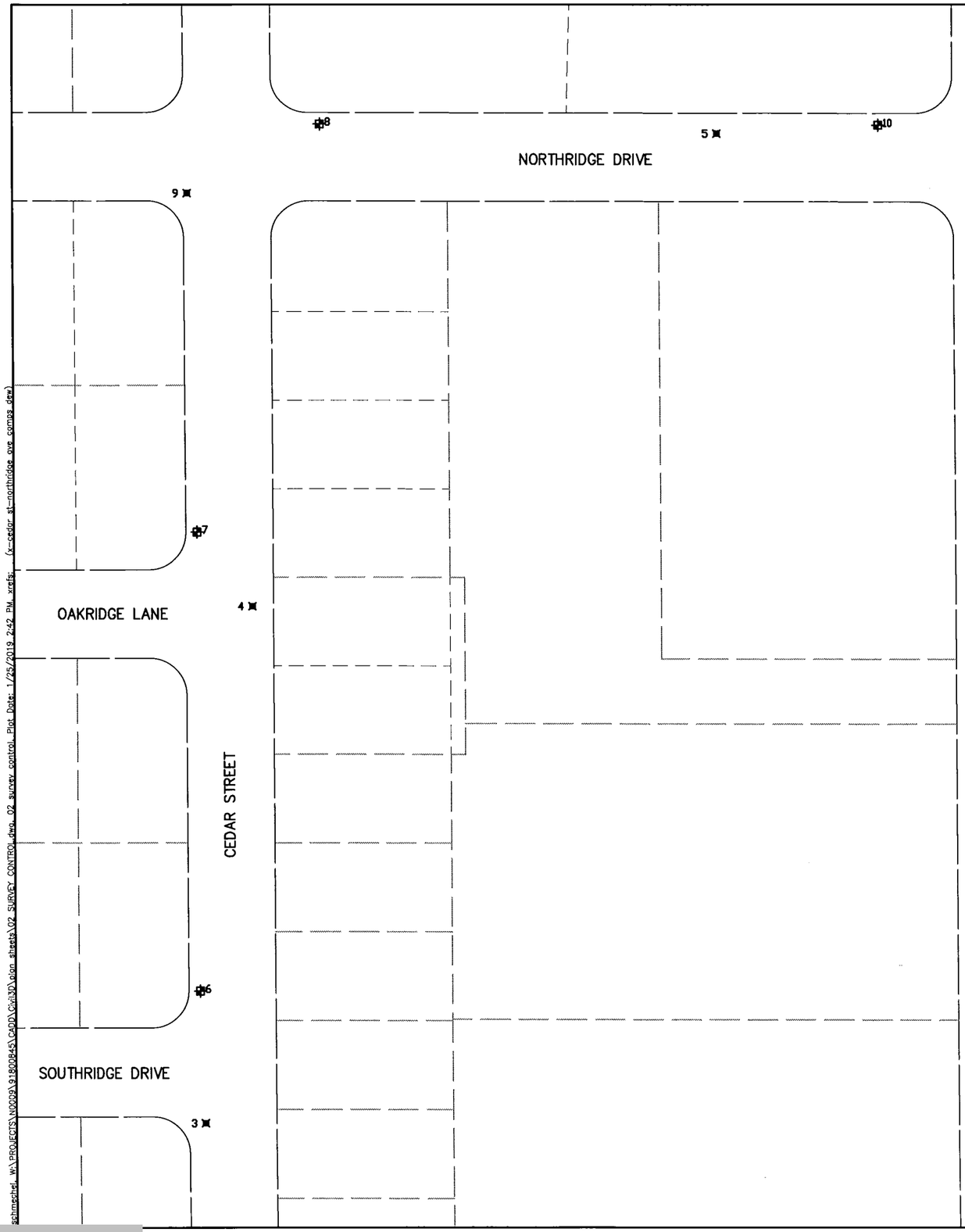
NO.	DATE	REVISION

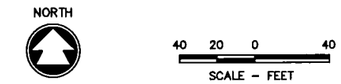
STREET AND UTILITY RECONSTRUCTION
CITY OF NEW LONDON, WAUPACA COUNTY, WISCONSIN
ABBREVIATIONS, SYMBOLS & NOTES

DESIGNED	DRAWN
BDW	MJA

PROJECT NO. N0009 9-18-00845
DATE 12/2018
SHEET NO. 01

Return to Agenda





HORIZONTAL CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
3	360039.00	626038.17	MAG NAIL
4	360388.49	626071.41	MAG NAIL
5	360708.81	626388.63	MAG NAIL
9	360668.50	626027.59	MAG NAIL

VERTICAL BENCHMARK CONTROL		
POINT #	ELEVATION	DESCRIPTION
6	764.01	HYDRANT TAG BOLT
7	765.11	HYDRANT TAG BOLT
8	767.01	HYDRANT TAG BOLT
10	767.62	HYDRANT TAG BOLT
11	768.57	HYDRANT TAG BOLT

NOTE:
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ALSO VERIFY HORIZONTAL CONTROL BY FIELD CHECKING SEVERAL CONTROL POINTS AND SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY DISCREPANCIES.

VERTICAL DATUM
ELEVATIONS ARE REFERENCED TO NGS DATA:
CONTROL POINT NAME: 4J94
POINT ID: DE7421 NAVD 88 DATUM
BY GPS OBSERVATION & CONVENTIONAL LEVEL LOOP TO ELEVATION = 761.71 (2007 ADJUSTMENT)
LEVEL LOOP PER FIELD BOOK 1382 PAGES 68–70

HORIZONTAL DATUM:
COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM AS PUBLISHED FOR WAUPACA COUNTY

McMAHON
ENGINEERS ARCHITECTS
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
Tel: (920) 751-4200 Fax: (920) 751-4284
www.mcmgrp.com

McMahon provides this drawing and data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon.

NO.	DATE	REVISION

STREET AND UTILITY RECONSTRUCTION
CITY OF NEW LONDON, WAUPACA COUNTY, WISCONSIN
SURVEY CONTROL

DESIGNED	DRAWN
BDW	MJA

PROJECT NO.
N0009 9-18-00845

DATE
12/2018

SHEET NO.
02

:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\02 SURVEY CONTROL.dwg, 02 SURVEY CONTROL, 1/25/2019 2:42:20 PM, RSchmechel, 1:2
schmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\02 SURVEY CONTROL.dwg, 02 survey control, Plot Date: 1/25/2019 2:42 PM, xrefs: (x-cedar st-northridge ave comps dew)

Return to Agenda

Plotted: 1/25/2019 2:42 PM, RSchmechel, 1:2
G:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\Cedar St-PP.dwg, 03 CEDAR STREET, 1/25/2019 2:42:30 PM, RSchmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\Cedar St-PP.dwg, 03 cedar street, Plot Date: 1/25/2019 2:42 PM, xrefs: (x-exist topo cedar st northridge dr, x-all points cedar st northridge dr, x-exist shade cedar st northridge dr, x-cedar st-northridge ave comps dew, x-prop linework-cedar st northridge dr)

1333 CEDAR STREET

1401 SOUTHRIDGE DRIVE

1407 SOUTHRIDGE DR.

MATCH LINE STA 14+00

SOUTHRIDGE DRIVE

OAKRIDGE LANE

CEDAR STREET

PROP INLET
INV=
D=

EX 26002
RIM 761.44
NE INV 754.08 12"
D 7.36

EX 26003B
RIM 761.42
E INV 757.09 12"
D 4.33

EX 26003C
RIM 761.47
SE INV 758.67 12"
D 2.80

EX 26005B
RIM 762.63
NE INV 758.93 12"
D 4.00

EX 26003A
RIM 761.35
W INV 757.15 12"
D 4.20

EX 26005A
RIM 762.76
W INV 758.63 12"
D 4.80

LEAKING LATERAL TAP

EX 8" PVC SAN

EX 12" STO

EX 36" CONC STO

EX 42" CONC STO

EX 24" CONC STO

4"x6" REDUCER
25' FROM MAIN

EX. 4" PVC SAN
CAPPED @ R/W

REPAIR EXISTING JOINT @
64'± FROM MAIN (TV REPORT)

EX. W.S.

EX. 6" PVC SAN
TO 1401 N. SHAWANO ST.

GRAVEL

ASPH.

CONC.

TAG-762.13

SCALE – FEET
2
20

NORTH

1330 CEDAR STREET

1412 CEDAR STREET

1334 CEDAR STREET
WATER SERVICE
SIZE/MATERIAL=
LENGTH=
CORP. LOCATION=
ELEV. @ CORP.=
CONNECTED TO:
SANITARY SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

1338 CEDAR STREET
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

1400 CEDAR STREET
WATER SERVICE
SIZE/MATERIAL=
LENGTH=
CORP. LOCATION=
ELEV. @ CORP.=
CONNECTED TO:
SANITARY SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

1334 CEDAR STREET
WATER SERVICE
SIZE/MATERIAL=
LENGTH=
CORP. LOCATION=
ELEV. @ CORP.=
CONNECTED TO:
SANITARY SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

1338 CEDAR STREET
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

EXISTING
C/L PROFILE

EX 5' DRN 26002A
RIM 760.24
SW INV 753.89 12"
N INV 753.89 36"
S INV 753.89 42"
D 6.35

EX 4' STO MH 26003
RIM 761.69
S INV 756.14 36"
N INV 756.14 24"
W INV 757.16 8"
W INV 757.16 12"
E INV 757.16 12"
NW INV 757.16 12"
D 5.55

EX 4' STO MH 26005
RIM 763.15
S INV 757.45 24"
N INV 757.45 24"
W INV 758.05 12"
E INV 758.50 12"
SW INV 758.76 12"
NW INV 758.66 12"
D 5.70

EX 4' SAN MH 1617
RIM 761.59
N INV 753.84 8"
S INV 753.84 8"
D 7.75

EX 4' SAN MH 1609
RIM 762.03
N INV 754.77 8"
S INV 754.77 8"
W INV 754.58 8"
D 7.45

EX 4' SAN MH 1608
RIM 763.36
N INV 755.97 8"
S INV 755.97 8"
W INV 755.91 8"
D 7.45

40' – EX 42" CONC STO @ 0.40%

158' – EX 36" CONC STO @ –1.43%

225' – EX 8" PVC SAN @ 0.41%

311' – EX 24" CONC STO @ –0.42%

309' – EX 24" CONC STO @ –0.51%

310' – EX 8" PVC SAN @ 0.39%

311' – EX 8" PVC SAN @ 0.33%

766
764
762
760
758
756
754
752
750
748

761.39 762.06 762.42 762.91 763.31 763.61

9+20 10+00 11+00 12+00 13+00 14+00 15+00

McMAHON
ENGINEERS | ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

McMahon Associates, Inc. provides this drawing & data, regardless of format or media, on an "as-is" basis without warranty of any kind. All rights including copyright are reserved by McMahon Associates, Inc. The client and/or recipient agree to indemnify, defend and hold McMahon Associates, Inc. harmless for any reuse of or modification to this drawing or data without prior written consent by McMahon Associates, Inc.

NO.	DATE	REVISION

STREET AND UTILITY RECONSTRUCTION
CITY OF NEW LONDON, WAUPACA COUNTY, WISCONSIN
CEDAR STREET

DESIGNED	DRAWN
BDW	MJA

PROJECT NO.
N0009 9–18–00845

DATE
12/2018

SHEET NO.
03

Return to Agenda

C:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\Cedar St-PP.dwg, 04 CEDAR STREET, 1/25/2019 2:42:33 PM, RSchmechel, 1:2
Xrefs: (x-exist topo cedar st northridge dr, x-all points cedar st northridge dr, x-exist shade cedar st northridge dr, x-cedar st-northridge ove
RSchmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\Cedar St-PP.dwg, 04 cedar street, Plot Date: 1/25/2019 2:42 PM, xrefs:
(x-comps dew, x-prop linework-cedar st northridge .dgn)

1407 CEDAR STREET

505 OAKRIDGE LANE

1507 CEDAR STREET

501 NORTHRIDGE ROAD

EX 26005B
RIM 762.63
NE INV 758.93 12"
D 4.00

EX 26005C
RIM 762.70
SE INV 759.50 12"
D 3.60

EX 26010A
RIM 764.40
E INV 760.74 12"
D 3.66

EX 26010D
RIM 764.35
SE INV 761.01 12"
SW INV 761.01 4"
D 3.34

EX 26012B
RIM 763.89
E INV 760.77 12"
D 3.12

REDUCER
OM MAIN

CONC.

OAKRIDGE LANE

EX 12" STO

EX 8" SAN

ASPH.

NORTHRIDGE DRIVE

LEAKING LATERAL TAP

CEDAR STREET

10+00.00

EX 8" PVC SAN

EX 24" CONC STO

EX 18" CONC STO

BROKEN LEAD
14'-21'

EX 12" PVC SAN

EX 18" CONC STO

C SAN
@ R/W

GRAVEL

GRAVEL

EX 26005A
RIM 762.76
W INV 758.63 12"
D 4.80

EX 26010B
RIM 764.39
W INV 760.89 12"
D 3.50

EX 26012A
RIM 763.95
W INV 760.32 12"
D 3.63

EX 26010C
RIM 764.15
SW INV 760.93 12"
D 3.22

1508 CEDAR STREET
STORM SERVICE
SIZE/MATERIAL=
LENGTH=
RISER HEIGHT=
WYE TO D.S. MH=
ELEV. T.O.P. @ CONECT=
CONNECTED TO:

This section of storm does NOT need cleaning.

MATCH LINE STA 14+00

1412 CEDAR STREET

SCALE – FEET
2
20

NORTH

1601 NORTHRIDGE DRIVE

768
766
764
762
760
758
756
754
752
750

EXISTING C/L PROFILE

EX 4" STO MH 26005
RIM 763.15
S INV 757.45 24"
N INV 757.45 24"
W INV 758.05 12"
E INV 758.50 12"
SW INV 758.76 12"
NW INV 758.66 12"
D 5.70

EX 4" SAN MH 1608
RIM 763.36
N INV 755.97 8"
S INV 755.97 8"
W INV 755.91 8"
D 7.45

EX 4" STO MH 26010
RIM 764.82
S INV 759.02 24"
NE INV 760.31 12"
E INV 760.59 12"
W INV 760.49 12"
W INV 759.48 12"
E INV 759.14 18"
NW INV 760.25 12"
N INV 759.46 18"
D 5.80

EX 4" SAN MH 1607
RIM 764.89
W INV 757.09 8"
S INV 757.01 8"
E INV 757.22 10"
N INV 757.24 8"
D 7.88

EX 4" STO MH 26012
RIM 764.16
W INV 759.94 12"
E INV 759.94 12"
S INV 759.81 18"
N INV 759.81 18"
D 4.35

EX 4" SAN MH 1601
RIM 764.74
E INV 753.19 10"
N INV 753.29 12"
D 11.55

311' – EX 24" CONC STO @ -0.42%

309' – EX 24" CONC STO @ -0.51%

59' – EX 18" CONC STO @ -0.59%

292' – EX 18" CONC STO @ -0.40%

310' – EX 8" PVC SAN @ 0.39%

311' – EX 8" PVC SAN @ 0.33%

EX 8" PVC SAN

345' – EX 12" PVC SAN @ -0.38%

763.12
763.31
763.61
763.99
764.42
764.60

13+40
14+00
15+00
16+00
17+00
18+00
19+00

Return to Agenda

McMAHON
ENGINEERS ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
MAILING ADDRESS: P.O. BOX 2025 NEENAH, WI 54957-2025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

McMahon Associates, Inc. provides the drawing & data, reproduced on this medium, for information & service. All rights including common law copyright are reserved by McMahon Associates, Inc. The user of this drawing & data agrees to the fullest extent permitted by law to indemnify and hold harmless McMahon Associates, Inc. from any reuse of or modifications to this drawing or data without prior written consent by McMahon Associates, Inc.

NO.	DATE	REVISION

STREET AND UTILITY RECONSTRUCTION
CITY OF NEW LONDON, WAUPACA COUNTY, WISCONSIN
CEDAR STREET

DESIGNED	DRAWN
BDW	MJA

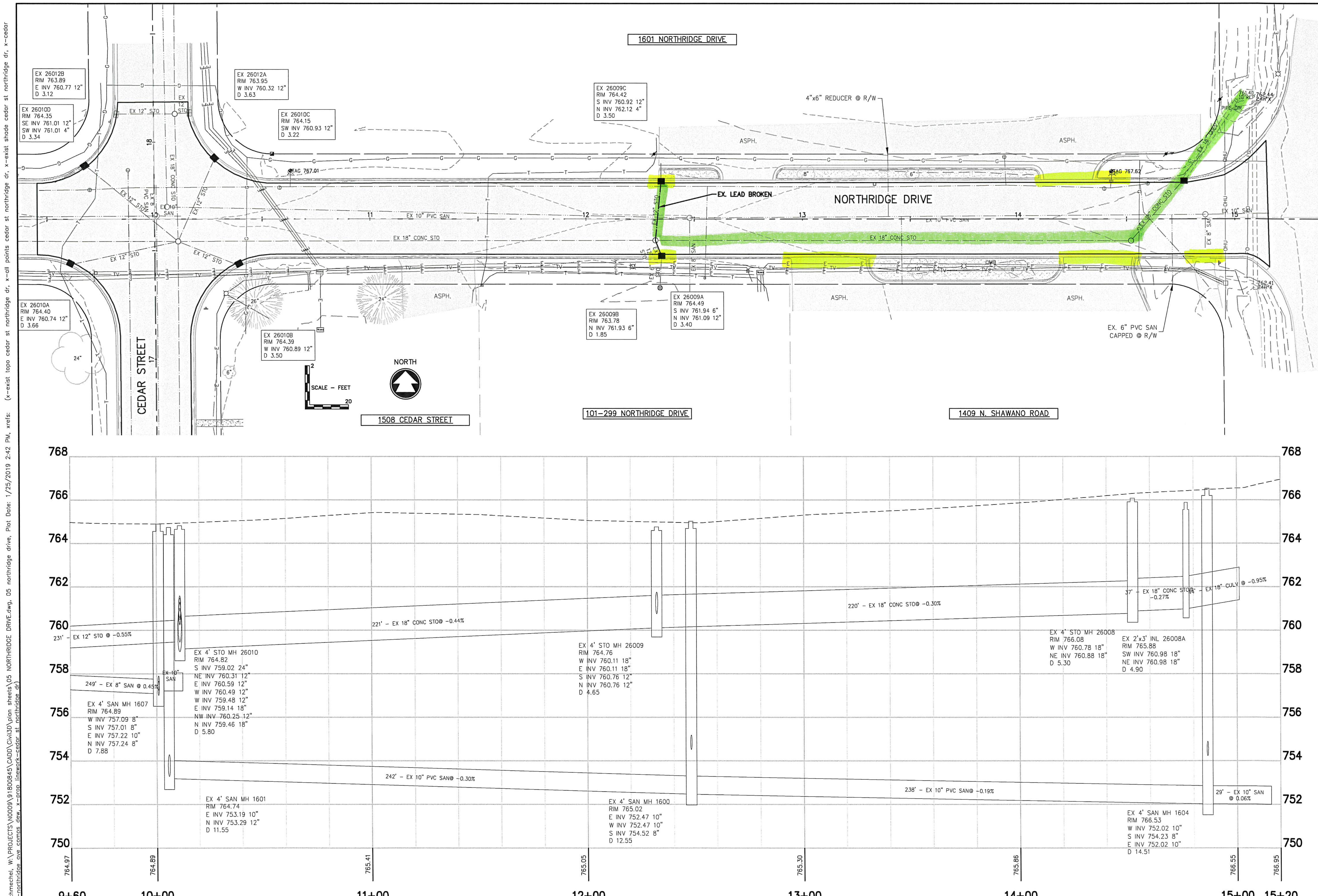
PROJECT NO.
N0009 9-18-00845

DATE
12/2018

SHEET NO.
04

:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\05 NORTHRIDGE DRIVE.dwg, 05 NORTHRIDGE DRIVE, 1/25/2019 2:42:44 PM, RSchmechel, 1:2

schmechel, W:\PROJECTS\N0009\91800845\CADD\Civil3D\plan sheets\05 NORTHRIDGE DRIVE.dwg, 05 northridge drive, Plot Date: 1/25/2019 2:42 PM, xrefs: (x-exist topo cedar st northridge dr, x-all points cedar st northridge dr, x-exist shade cedar st northridge dr, x-cedar t-northridge ave comps dew, x-prop linework-cedar st northridge dr)



McMAHON
ENGINEERS \ ARCHITECTS
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE NEENAH, WI 54956
Mailing: P.O.BOX 1025 NEENAH, WI 54957-1025
PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

McMahon Associates, Inc. provides this drawing & data, regardless of form, as instruments of service. All rights including copyrights are retained by McMahon Associates, Inc. The client and/or recipient agrees to the fullest extent permitted by law to indemnify and hold McMahon Associates, Inc. harmless for any reuse of or changes made to the original drawing or data without prior written consent by McMahon Associates, Inc.

NO.	DATE	REVISION

STREET AND UTILITY RECONSTRUCTION
CITY OF NEW LONDON, WAUPACA COUNTY, WISCONSIN
NORTHRIDGE DRIVE

DESIGNED	DRAWN
BDW	MJA

PROJECT NO. N0009 9-18-00845
DATE 12/2018
SHEET NO. 05

Return to Agenda