

**Joint Public
Utilities/Public Works**

Tuesday, February 16, 2021

6:00 PM

**McFarland Municipal Center
Training Room**

AGENDA

You are invited to this meeting through a Zoom webinar. The Public is strongly encouraged to watch and participate in these meetings remotely through either the webinar or telephone options listed below.

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/82649016140>

Or by Telephone: +1 (312) 626-6799

Webinar ID: 826 4901 6140

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
 - a. This is an opportunity for members of the public to address the Village Board. Please remember this is a virtual meeting conducted through the Zoom online meeting platform. Zoom meeting attendees wishing to address the board may do so using the Question and Answer feature within the Zoom online meeting platform. You may state your name, address, and provide your comments to the board for their consideration. Members of the public who are present in person and wish to address the board should fill out a public comment form and turn into the meeting chairperson. Members of the public may speak during public appearances or during their selected agenda item as they designate on the public comment form. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to aimee.irwin@mcfarland.wi.us to be included as part of the meeting.
3. BUSINESS.
 - a. Public Information Meeting regarding Exchange Street project.
 - b. Discussion and action to make a recommendation to the Village Board regarding the award of contract for the County Highway MN project.
 - c. Discussion regarding asset management.
 - d. Presentation of the Public Works Monthly report
4. SCHEDULE NEXT MEETING DATE.
 - a. Public Works Committee: Tuesday, March 9, 2021 at 6:00 p.m.
Public Utilities Committee: Tuesday, March 16, 2021 at 6:00 p.m.

5. ADJOURNMENT.

This meeting notice constitutes an official meeting of the above referenced group and was posted in accordance with all applicable laws related to Open Meetings Law. It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information. No action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice. Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals. For additional information or to request this service, contact the McFarland Municipal Center at (608) 838-3153 or cassandra.suettinger@mcfarland.wi.us.


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, February 16, 2021

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Public Information Meeting regarding Exchange Street project.

PREVIOUS ACTION:

At our meeting in January it was decided to hold the first public information meeting as a joint meeting between these two groups. More meetings will be needed in the future and this meeting is to get started on that process.

ISSUE SUMMARY:

The purpose of the Public Informational Meeting (PIM) is to inform the public about the project along with the residential input on issues that may be present. This is similar to what we have done before for PIMs but required over the years leading up to the project by WisDOT. Information that is gathered is then incorporated into the plans in order to have a better finished product if applicable. Notices have been mailed to impacted property owners and the Village is advertising the event through its website and social media. We will provide an overview of the project and then take questions from attendees in a similar fashion as has been done for other public information meetings.

FINANCIAL/BUDGET IMPACT:

The 2021 Budget includes funds to support engineering related activities on the project.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

No action needed on this item.

ATTACHMENTS:

1. PIM Notification Letter for 02.16.20 MAILED 1.25.2021

1/25/2021

To: Residents Affected by the 2024 Exchange Street Reconstruction Project

Subject: Public Information Meeting on February 16, 2021



Dear Residents:

The Village is in the process of planning and design for the reconstruction of Exchange Street from Sleepy Hollow Road to Farwell Street. This project is planned to include water main replacement, sanitary sewer replacement, storm sewer improvements, and a full reconstruction of the street. The installation of new sidewalk along the entire north side of the street is under consideration.

The project is planned for construction in 2024 and the Village has just started the design process for all of the new improvements. In order to help guide the design process, the Village is planning a public information meeting for **6:00 p.m. on Tuesday, February 16th, 2020**. At this meeting, an overview of the preliminary project details will be presented. After the presentation, there will be an opportunity for residents to ask questions or discuss concerns with Village staff and the Village Engineer.

As the design of this project progresses, additional public information meetings will be held. The next public information meeting for this project is tentatively planned for October of 2021. Further notification will be distributed to residents prior to that meeting and will be posted on the Village website.

COVID-19 RELATED INFORMATION

Due to the COVID-19 Pandemic, the Village recommends participation through Zoom. You can join the Zoom Webinar by visiting the below information.

Join the webinar: <https://us02web.zoom.us/j/82649016140>

Or By Telephone: Dial US: +1 (312) 626-6799

Webinar ID: Webinar ID: 826 4901 6140

To request to speak: Press *9

To mute/un-mute: Press *6

Due to limitations from Dane County Public Health, only 10 non-employees are allowed in the Municipal Center at one time. **If you choose to attend the meeting in-person, the Village CANNOT GUARANTEE you will be allowed a spot inside the building to view the meeting.** Those who wish to provide public comment at the meeting will be ushered in and out of the building to accommodate the 10-person gathering limit.

If you cannot attend the meeting, please submit your written comments to the Public Works Department before February 15, 2020. The mailing address is:

Village of McFarland, Public Works Department

P.O. Box 110

McFarland, WI 53558

public.works@mcfarland.wi.us

Thank you,
VILLAGE OF McFARLAND

(continued on reverse)



Town of Dunn

Village of McFarland

PROJECT LIMITS



a


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, February 16, 2021

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the award of contract for the County Highway MN project.

PREVIOUS ACTION:

The Public Works Committee reviewed the final design plans and authorized the project for bidding on November 10, 2020.

ISSUE SUMMARY:

The County Highway MN project for 2021 will be phase 4 of the Highway MN projects. The previous phases, 1 through 3, ran from US Highway 51 to Holscher Road. Phase 4 will run from Holscher Road to the east just past North Peninsula Way. The final design plans were reviewed by the Public Works Committee and authorized the project for bidding on November 10, 2020.

Town & Country Engineering received 31 requested sets of plans, specifications and bidding documents from general contractors, subcontractors and material suppliers. Ten contractors submitted bids. Of the bids received, the low bidder for the base bid only is S & L Underground, Inc. Depending on the alternates selected, the low bidder would change. Bid results and alternates were reviewed by Town & Country and Village Staff. Our recommendation would be to award contract to S & L Underground Inc for the base bid, plus Alternate No. 1, Alternate No. 3 and Supplemental with a contingency factor of 10%.

FINANCIAL/BUDGET IMPACT:

Total project costs are as follows:

- \$432,864 Base Bid
- \$58,000 Alternate No. 1 (Pedestrian RRFBS)
- \$19,036 Alternate No. 3 (Parking Areas)
- \$500 Supplemental
- \$31,679 Design Engineering
- \$49,500 Bidding and Construction Administration
- \$31,167 Inspection/Project Management
- \$51,000 Contingency (~10%)
- \$673,746 Total Expense

Total project costs are offset by the following project revenues:



- \$272,500 Dane County - Funding 50% of the road, stormwater improvements, and engineering costs.
- \$125,000 Fund 400 (2020) - Borrowed money provided last year for design services.
- \$170,000 Fund 400 (2021) - Borrowed money provided this year for construction.
- \$50,000 Fund 605 (2021) - Reserves applied from Stormwater Utility fund to pay for related improvements.
- \$100,000 Prairie Place Subdivision - Paid for the by the Developer to fund their share of adjoining road improvements.
- \$717,500 Total Revenue

The project as bid with the alternates as recommended remains under budget by approximately \$43,754.

VILLAGE PLAN REFERENCE:

2021-2015 Capital Improvement Plan

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommendation to the Village Board should be to award contract to S & L Underground, Inc. of Lodi in an amount of \$510,401.17 including the base bid, Alternate No. 1, Alternate No. 3 and Supplemental and approving total project costs of \$673,750 which includes a 10% contingency.

ATTACHMENTS:

1. Recommendation Ltr- on Letterhead
2. MC174 Current Set

February 11, 2021

Village of McFarland
5915 Milwaukee Street
McFarland, WI 53558

Attention: Mr. Matthew Schuenke, Village Administrator

Subject: Analysis of Bids and Recommendation for Award of Contracts; 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland

Bid Deadline: February 11, 2021 at 10:00 a.m. local time

Ladies and Gentlemen:

The purpose of this letter is to analyze the bids received for the 2021 CTH MN/Broadhead Street Utility and Street Improvements project and to recommend award of a contract. This project involves full street reconstruction for the entire project limits, including the conversion of the street cross-section from an urban section to a rural section and the installation of new sidewalk on the south side of the road. Alternate bids include pedestrian RRFBS, new HDPE force main and parking areas and future communications conduit, and a supplemental bid item for property corner replacement.

The pre-bid estimate for the base bid was \$504,076.80. Thirty-one general contractors, subcontractors, and material suppliers requested sets of the plans, specifications and bidding documents. Ten contractors submitted bids.

A summary of the bids is as follows:

	Base Bid	Alternate Bid 1- Pedestrian RRFBS	Alternate Bid 2- New HDPE Force Main	Alternate Bid 3- Parking Areas	Alternate Bid 4- Future Communications Conduit
S & L Underground, Inc.	\$432,864.37	\$58,000.00	\$19,380.00	\$19,036.80	\$11,272.00
Raymond P. Cattell Inc.	\$435,488.75	\$55,925.00	\$16,320.00	\$19,150.80	\$9,804.00
Parisi Construction Co. Inc.	\$435,575.08	\$62,000.00	\$14,892.00	\$20,056.20	\$10,546.00
G-Pro Excavating LLC	\$436,120.35	\$56,000.00	\$14,280.00	\$19,303.50	\$10,988.00
Wolf Paving	\$436,789.83	\$55,925.00	\$28,090.80	\$17,191.80	\$9,804.00
Ptaschinski Const, Inc.	\$468,738.20	\$55,925.00	\$31,824.00	\$20,056.68	\$9,804.00
Badgerland Excavating Corp.	\$485,720.53	\$56,000.00	\$21,216.00	\$20,358.00	\$9,804.00
Jl Construction LLC	\$507,978.25	\$56,000.00	\$21,828.00	\$20,545.50	\$14,824.00
Speedway Sand & Gravel Inc.	\$518,344.75	\$55,925.00	\$24,798.24	\$20,204.40	\$9,804.00

R.G. Huston Company, Inc.	\$527,605.78	\$56,489.92	\$14,280.00	\$23,019.00	\$9,902.40
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All of the bids were properly submitted.

The low bidder, using the base bid only is S & L Underground, Inc. of Lodi, Wisconsin. However, depending on the alternates selected, there are instances where Raymond P. Cattell Inc., Parisi Construction Co. Inc., G-Pro Excavating LLC, or Wolf Paving would be the low bidder. These contractors are experienced utility and street contractors that have completed many similar projects for municipalities in Dane County.

A tabulated breakout of possible base bid, alternate bid, and supplemental bid combinations is attached to this letter. The low bidder for various combinations of bids is highlighted for each combination scenario. The low bidder does change depending on the combination selected and the Village has the ability to determine award based on the low bidder for a selected combination of items.

The bid prices are lower than the original budget, likely due to healthy market competition and lower than anticipated unit pricing for some items. We recommend that S & L Underground, Inc. be awarded a contract for the base bid, plus Alternate No. 1, Alternate No. 3, and the Supplemental, if the budgets allow, for a total of \$510,401.17.

This will be a unit price contract. That is, the contractor will be paid for the work actually performed on the basis on the unit prices bid. This means that the final line item costs could be either greater than or less than the bid totals. Also, unexpected conditions are sometimes encountered which result in increased project costs. Therefore, it would be wise to continue to carry the recommended 10% contingency.

If you have any questions with respect to our thoughts on this matter, I am available at your convenience to discuss them with you.

Very truly yours,
TOWN & COUNTRY ENGINEERING, INC.

Tim Stieve, P.E.
Project Engineer

TS:sai

J:\JOB#\S\McFarland\MC-174-M4 2021 Broadhead Street-CTH MN\Bidding\Recommendation Ltr.docx

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		S & L Underground, Inc.		Raymond P. Cattell Inc.		Parisi Construction Co. Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID											
Utility Work											
1.	18" RCP CL III Storm Sewer	502	lin. ft.	\$ 65.00	\$ 32,630.00	\$ 80.70	\$ 40,511.40	\$ 50.00	\$ 25,100.00	\$ 58.00	\$ 29,116.00
2.	12" RCP CL III Storm Sewer	112	lin. ft.	\$ 60.00	\$ 6,720.00	\$ 73.50	\$ 8,232.00	\$ 48.00	\$ 5,376.00	\$ 69.00	\$ 7,728.00
3.	Precast Rectangular Curb Catch Basins	3	each	\$ 2,600.00	\$ 7,800.00	\$ 2,160.00	\$ 6,480.00	\$ 1,950.00	\$ 5,850.00	\$ 2,500.00	\$ 7,500.00
4.	Precast Manhole-Type Curb Catch Basin Inlets	4	each	\$ 3,000.00	\$ 12,000.00	\$ 2,718.00	\$ 10,872.00	\$ 3,500.00	\$ 14,000.00	\$ 4,300.00	\$ 17,200.00
5.	Relocate Existing Hydrant	1	each	\$ 3,000.00	\$ 3,000.00	\$ 1,436.00	\$ 1,436.00	\$ 2,500.00	\$ 2,500.00	\$ 1,100.00	\$ 1,100.00
Street Work											
6.	Pulverizing and Grading or Removal of Existing Asphalt	3,174.8	sq. yds.	\$ 3.50	\$ 11,111.80	\$ 0.56	\$ 1,777.89	\$ 2.00	\$ 6,349.60	\$ 0.60	\$ 1,904.88
7.	Excavation to Plan Subgrade	1	lump sum	\$ 35,000.00	\$ 35,000.00	\$ 37,154.00	\$ 37,154.00	\$ 56,000.00	\$ 56,000.00	\$ 46,000.00	\$ 46,000.00
8.	Truncated Dome Panels	54	sq. ft.	\$ 45.00	\$ 2,430.00	\$ 30.00	\$ 1,620.00	\$ 30.00	\$ 1,620.00	\$ 43.75	\$ 2,362.50
9.	Deleted			-		-		-		-	
9a.	7" Thick Concrete Sidewalk and Aprons	2,786	sq. ft.	\$ 7.50	\$ 20,895.00	\$ 5.60	\$ 15,601.60	\$ 5.60	\$ 15,601.60	\$ 5.80	\$ 16,158.80
9b.	5" Thick Concrete Sidewalk	5,454	sq. ft.	\$ 6.50	\$ 35,451.00	\$ 4.40	\$ 23,997.60	\$ 4.40	\$ 23,997.60	\$ 4.00	\$ 21,816.00
10.	Concrete Medians	242	sq. ft.	\$ 12.00	\$ 2,904.00	\$ 10.50	\$ 2,541.00	\$ 10.50	\$ 2,541.00	\$ 12.75	\$ 3,085.50
11.	New 30" Concrete Curb & Gutter	2,030	lin. ft.	\$ 15.00	\$ 30,450.00	\$ 14.30	\$ 29,029.00	\$ 14.30	\$ 29,029.00	\$ 11.75	\$ 23,852.50
12.	1.5" Hot Mix Asphalt Surface Course, Type 5 LT	409	ton	\$ 72.00	\$ 29,448.00	\$ 69.19	\$ 28,298.71	\$ 69.25	\$ 28,323.25	\$ 71.00	\$ 29,039.00
13.	3" Hot Mix Asphalt Lower Course, Type 4 LT	817	ton	\$ 69.00	\$ 56,373.00	\$ 66.16	\$ 54,052.72	\$ 66.25	\$ 54,126.25	\$ 68.00	\$ 55,556.00
14.	1.25" Crushed Aggregate Base Course	2,573	ton	\$ 16.00	\$ 41,168.00	\$ 14.25	\$ 36,665.25	\$ 15.00	\$ 38,595.00	\$ 14.00	\$ 36,022.00
15.	3" Breaker Run	3,405	ton	\$ 16.00	\$ 54,480.00	\$ 13.35	\$ 45,456.75	\$ 12.00	\$ 40,860.00	\$ 13.50	\$ 45,967.50
16.	Clean & Tack	4,303	sq. yds.	\$ 0.50	\$ 2,151.50	\$ 0.15	\$ 645.45	\$ 0.15	\$ 645.45	\$ 0.15	\$ 645.45
17.	Excavation and Disposal of Base Subbase Below Subgrade	425	cu. yds.	\$ 22.00	\$ 9,350.00	\$ 11.20	\$ 4,760.00	\$ 15.00	\$ 6,375.00	\$ 14.75	\$ 6,268.75
18.	Deleted					-		-		-	
19.	Modular Concrete Retaining Wall	546	face square ft.	\$ 55.00	\$ 30,030.00	\$ 32.00	\$ 17,472.00	\$ 40.00	\$ 21,840.00	\$ 40.00	\$ 21,840.00
20.	42-Inch High Painted Steel Railing	182	lin. ft.	\$ 125.00	\$ 22,750.00	\$ 110.00	\$ 20,020.00	\$ 75.00	\$ 13,650.00	\$ 140.00	\$ 25,480.00
21.	Permanent Signage	1	lump sum	\$ 2,500.00	\$ 2,500.00	\$ 1,800.00	\$ 1,800.00	\$ 2,000.00	\$ 2,000.00	\$ 1,900.00	\$ 1,900.00
22.	Permanent Pavement Markings	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,700.00	\$ 11,700.00
23.	Sawcutting Existing Concrete and Asphalt Pavements	267	lin. ft.	\$ 3.50	\$ 934.50	\$ 2.00	\$ 534.00	\$ 2.00	\$ 534.00	\$ 4.10	\$ 1,094.70
24.	Topsoil Restoration, Seeding, Fertilizing & Mulching	3,250	sq. yds.	\$ 6.00	\$ 19,500.00	\$ 5.80	\$ 18,850.00	\$ 5.00	\$ 16,250.00	\$ 4.75	\$ 15,437.50
25.	Erosion Control	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 9,232.00	\$ 9,232.00	\$ 6,500.00	\$ 6,500.00	\$ 2,500.00	\$ 2,500.00
26.	Traffic Control	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 4,500.00	\$ 4,500.00	\$ 6,500.00	\$ 6,500.00	\$ 4,300.00	\$ 4,300.00
	TOTAL BASE BID				\$ 504,076.80		\$ 432,864.37		\$ 435,488.75		\$ 435,575.08

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		S & L Underground, Inc.		Raymond P. Cattell Inc.		Parisi Construction Co. Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
ALTERNATE BID 1- PEDESTRIAN RRFB'S											
A1.1	Rapid Rectangular Flashing Beacon System with 18' Mast Arm Arrangement	4	each	\$ 12,000.00	\$ 48,000.00	\$ 14,500.00	\$ 58,000.00	\$ 13,981.25	\$ 55,925.00	\$ 15,500.00	\$ 62,000.00
ALTERNATE BID 2- NEW HDPE FORCE MAIN											
A2.1	2" HDPE Force Main	408	lin. ft.	\$ 45.00	\$ 18,360.00	\$ 47.50	\$ 19,380.00	\$ 40.00	\$ 16,320.00	\$ 36.50	\$ 14,892.00
ALTERNATE BID 3- PARKING AREAS											
A3.1a	Deleted					\$ -		\$ -		\$ -	
A3.1b	7" Thick Concrete Sidewalk and Aprons	3,018	sq. ft.	\$ 7.00	\$ 21,126.00	\$ 5.60	\$ 16,900.80	\$ 5.60	\$ 16,900.80	\$ 5.90	\$ 17,806.20
A3.2	1.25" Crushed Aggregate Base Course	150	tons	\$ 16.00	\$ 2,400.00	\$ 14.24	\$ 2,136.00	\$ 15.00	\$ 2,250.00	\$ 15.00	\$ 2,250.00
TOTAL ALTERNATE BID 3					\$ 23,526.00		\$ 19,036.80		\$ 19,150.80		\$ 20,056.20
ALTERNATE BID 4- FUTURE COMMUNICATIONS CONDUIT											
A4.1	PVC Conduit	1,034	lin. ft.	\$ 9.00	\$ 9,306.00	\$ 8.00	\$ 8,272.00	\$ 6.00	\$ 6,204.00	\$ 6.50	\$ 6,721.00
A4.2	Conduit Handhole	3	each	\$ 1,500.00	\$ 4,500.00	\$ 1,000.00	\$ 3,000.00	\$ 1,200.00	\$ 3,600.00	\$ 1,275.00	\$ 3,825.00
TOTAL ALTERNATE BID 4					\$ 13,806.00		\$ 11,272.00		\$ 9,804.00		\$ 10,546.00
SUPPLEMENTAL BID ITEMS											
S1.	Property Corner Replacement	1	each	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 770.00	\$ 770.00

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		G-Pro Excavating LLC		Wolf Paving		Ptaschinski Const, Inc.		Badgerland Excavating Corp.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID											
Utility Work											
1.	18" RCP CL III Storm Sewer	502	lin. ft.	\$ 49.00	\$ 24,598.00	\$ 65.84	\$ 33,051.68	\$ 50.25	\$ 25,225.50	\$ 42.00	\$ 21,084.00
2.	12" RCP CL III Storm Sewer	112	lin. ft.	\$ 42.00	\$ 4,704.00	\$ 54.24	\$ 6,074.88	\$ 45.00	\$ 5,040.00	\$ 38.00	\$ 4,256.00
3.	Precast Rectangular Curb Catch Basins	3	each	\$ 2,010.00	\$ 6,030.00	\$ 3,481.21	\$ 10,443.63	\$ 2,000.00	\$ 6,000.00	\$ 1,800.00	\$ 5,400.00
4.	Precast Manhole-Type Curb Catch Basin Inlets	4	each	\$ 1,700.00	\$ 6,800.00	\$ 2,337.35	\$ 9,349.40	\$ 2,200.00	\$ 8,800.00	\$ 2,200.00	\$ 8,800.00
5.	Relocate Existing Hydrant	1	each	\$ 1,200.00	\$ 1,200.00	\$ 4,679.20	\$ 4,679.20	\$ 4,500.00	\$ 4,500.00	\$ 1,800.00	\$ 1,800.00
Street Work											
6.	Pulverizing and Grading or Removal of Existing Asphalt	3,174.8	sq. yds.	\$ 5.50	\$ 17,461.40	\$ 1.25	\$ 3,968.50	\$ 1.25	\$ 3,968.50	\$ 0.85	\$ 2,698.58
7.	Excavation to Plan Subgrade	1	lump sum	\$ 43,350.00	\$ 43,350.00	\$ 54,000.00	\$ 54,000.00	\$ 49,500.00	\$ 49,500.00	\$ 98,000.00	\$ 98,000.00
8.	Truncated Dome Panels	54	sq. ft.	\$ 30.00	\$ 1,620.00	\$ 31.25	\$ 1,687.50	\$ 32.00	\$ 1,728.00	\$ 35.00	\$ 1,890.00
9.	Deleted			\$ -		\$ -		\$ -		\$ -	
9a.	7" Thick Concrete Sidewalk and Aprons	2,786	sq. ft.	\$ 5.75	\$ 16,019.50	\$ 5.10	\$ 14,208.60	\$ 5.76	\$ 16,047.36	\$ 7.00	\$ 19,502.00
9b.	5" Thick Concrete Sidewalk	5,454	sq. ft.	\$ 4.50	\$ 24,543.00	\$ 4.58	\$ 24,979.32	\$ 5.11	\$ 27,869.94	\$ 5.50	\$ 29,997.00
10.	Concrete Medians	242	sq. ft.	\$ 11.00	\$ 2,662.00	\$ 10.46	\$ 2,531.32	\$ 10.00	\$ 2,420.00	\$ 14.00	\$ 3,388.00
11.	New 30" Concrete Curb & Gutter	2,030	lin. ft.	\$ 15.00	\$ 30,450.00	\$ 12.65	\$ 25,679.50	\$ 14.02	\$ 28,460.60	\$ 18.00	\$ 36,540.00
12.	1.5" Hot Mix Asphalt Surface Course, Type 5 LT	409	ton	\$ 68.50	\$ 28,016.50	\$ 64.50	\$ 26,380.50	\$ 69.19	\$ 28,298.71	\$ 70.00	\$ 28,630.00
13.	3" Hot Mix Asphalt Lower Course, Type 4 LT	817	ton	\$ 65.50	\$ 53,513.50	\$ 59.00	\$ 48,203.00	\$ 69.19	\$ 56,528.23	\$ 64.50	\$ 52,696.50
14.	1.25" Crushed Aggregate Base Course	2,573	ton	\$ 13.00	\$ 33,449.00	\$ 12.00	\$ 30,876.00	\$ 17.82	\$ 45,850.86	\$ 14.00	\$ 36,022.00
15.	3" Breaker Run	3,405	ton	\$ 13.00	\$ 44,265.00	\$ 12.00	\$ 40,860.00	\$ 17.28	\$ 58,838.40	\$ 13.00	\$ 44,265.00
16.	Clean & Tack	4,303	sq. yds.	\$ 0.15	\$ 645.45	\$ 0.10	\$ 430.30	\$ 0.15	\$ 645.45	\$ 0.15	\$ 645.45
17.	Excavation and Disposal of Base Subbase Below Subgrade	425	cu. yds.	\$ 16.00	\$ 6,800.00	\$ 14.50	\$ 6,162.50	\$ 13.21	\$ 5,614.25	\$ 12.00	\$ 5,100.00
18.	Deleted			\$ -		\$ -		\$ -		\$ -	
19.	Modular Concrete Retaining Wall	546	face square ft.	\$ 31.00	\$ 16,926.00	\$ 34.75	\$ 18,973.50	\$ 38.90	\$ 21,239.40	\$ 32.00	\$ 17,472.00
20.	36-Inch High Painted Steel Railing	182	lin. ft.	\$ 138.00	\$ 25,116.00	\$ 118.00	\$ 21,476.00	\$ 137.00	\$ 24,934.00	\$ 125.00	\$ 22,750.00
21.	Permanent Signage	1	lump sum	\$ 1,950.00	\$ 1,950.00	\$ 2,180.00	\$ 2,180.00	\$ 1,800.00	\$ 1,800.00	\$ 2,500.00	\$ 2,500.00
22.	Permanent Pavement Markings	1	lump sum	\$ 11,400.00	\$ 11,400.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 12,500.00	\$ 12,500.00
23.	Sawcutting Existing Concrete and Asphalt Pavements	267	lin. ft.	\$ 3.00	\$ 801.00	\$ 3.50	\$ 934.50	\$ 2.00	\$ 534.00	\$ 2.00	\$ 534.00
24.	Topsoil Restoration, Seeding, Fertilizing & Mulching	3,250	sq. yds.	\$ 6.00	\$ 19,500.00	\$ 6.50	\$ 21,125.00	\$ 5.40	\$ 17,550.00	\$ 5.00	\$ 16,250.00
25.	Erosion Control	1	lump sum	\$ 5,300.00	\$ 5,300.00	\$ 9,750.00	\$ 9,750.00	\$ 5,000.00	\$ 5,000.00	\$ 4,000.00	\$ 4,000.00
26.	Traffic Control	1	lump sum	\$ 9,000.00	\$ 9,000.00	\$ 7,460.00	\$ 7,460.00	\$ 11,020.00	\$ 11,020.00	\$ 9,000.00	\$ 9,000.00
TOTAL BASE BID					\$ 436,120.35		\$ 436,789.83		\$ 468,738.20		\$ 485,720.53

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		G-Pro Excavating LLC		Wolf Paving		Ptaschinski Const, Inc.		Badgerland Excavating Corp.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
ALTERNATE BID 1- PEDESTRIAN RRFB'S											
A1.1	Rapid Rectangular Flashing Beacon System with 18' Mast Arm Arrangement	4	each	\$ 14,000.00	\$ 56,000.00	\$ 13,981.25	\$ 55,925.00	\$ 13,981.25	\$ 55,925.00	\$ 14,000.00	\$ 56,000.00
ALTERNATE BID 2- NEW HDPE FORCE MAIN											
A2.1	2" HDPE Force Main	408	lin. ft.	\$ 35.00	\$ 14,280.00	\$ 68.85	\$ 28,090.80	\$ 78.00	\$ 31,824.00	\$ 52.00	\$ 21,216.00
ALTERNATE BID 3- PARKING AREAS											
A3.1a	Deleted			\$ -		\$ -		\$ -		\$ -	
A3.1b	7" Thick Concrete Sidewalk and Aprons	3,018	sq. ft.	\$ 5.75	\$ 17,353.50	\$ 5.10	\$ 15,391.80	\$ 5.76	\$ 17,383.68	\$ 6.00	\$ 18,108.00
A3.2	1.25" Crushed Aggregate Base Course	150	tons	\$ 13.00	\$ 1,950.00	\$ 12.00	\$ 1,800.00	\$ 17.82	\$ 2,673.00	\$ 15.00	\$ 2,250.00
	TOTAL ALTERNATE BID 3				\$ 19,303.50		\$ 17,191.80		\$ 20,056.68		\$ 20,358.00
ALTERNATE BID 4- FUTURE COMMUNICATIONS CONDUIT											
A4.1	PVC Conduit	1,034	lin. ft.	\$ 7.00	\$ 7,238.00	\$ 6.00	\$ 6,204.00	\$ 6.00	\$ 6,204.00	\$ 6.00	\$ 6,204.00
A4.2	Conduit Handhole	3	each	\$ 1,250.00	\$ 3,750.00	\$ 1,200.00	\$ 3,600.00	\$ 1,200.00	\$ 3,600.00	\$ 1,200.00	\$ 3,600.00
	TOTAL ALTERNATE BID 4				\$ 10,988.00		\$ 9,804.00		\$ 9,804.00		\$ 9,804.00
SUPPLEMENTAL BID ITEMS											
S1.	Property Corner Replacement	1	each	\$ 500.00	\$ 500.00	\$ 750.00	\$ 750.00	\$ 500.00	\$ 500.00	\$ 100.00	\$ 100.00

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		JI Construction LLC		Speedway Sand & Gravel Inc		R.G. Huston Company, Inc.			
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
BASE BID											
Utility Work											
1.	18" RCP CL III Storm Sewer	502	lin. ft.	\$ 82.00	\$ 41,164.00	\$ 47.14	\$ 23,664.28	\$ 69.00	\$ 34,638.00		
2.	12" RCP CL III Storm Sewer	112	lin. ft.	\$ 77.00	\$ 8,624.00	\$ 56.88	\$ 6,370.56	\$ 72.00	\$ 8,064.00		
3.	Precast Rectangular Curb Catch Basins	3	each	\$ 1,600.00	\$ 4,800.00	\$ 2,488.78	\$ 7,466.34	\$ 2,070.00	\$ 6,210.00		
4.	Precast Manhole-Type Curb Catch Basin Inlets	4	each	\$ 1,900.00	\$ 7,600.00	\$ 2,952.94	\$ 11,811.76	\$ 2,640.00	\$ 10,560.00		
5.	Relocate Existing Hydrant	1	each	\$ 2,700.00	\$ 2,700.00	\$ 2,860.00	\$ 2,860.00	\$ 2,260.00	\$ 2,260.00		
Street Work											
6.	Pulverizing and Grading or Removal of Existing Asphalt	3,174.8	sq. yds.	\$ 4.75	\$ 15,080.30	\$ 4.25	\$ 13,492.90	\$ 2.60	\$ 8,254.48		
7.	Excavation to Plan Subgrade	1	lump sum	\$ 35,000.00	\$ 35,000.00	\$ 71,550.00	\$ 71,550.00	\$ 78,399.00	\$ 78,399.00		
8.	Truncated Dome Panels	54	sq. ft.	\$ 52.00	\$ 2,808.00	\$ 37.00	\$ 1,998.00	\$ 30.30	\$ 1,636.20		
9.	Deleted			\$ -		\$ -		\$ -			
9a.	7" Thick Concrete Sidewalk and Aprons	2,786	sq. ft.	\$ 8.00	\$ 22,288.00	\$ 5.80	\$ 16,158.80	\$ 6.75	\$ 18,805.50		
9b.	5" Thick Concrete Sidewalk	5,454	sq. ft.	\$ 7.50	\$ 40,905.00	\$ 5.05	\$ 27,542.70	\$ 6.50	\$ 35,451.00		
10.	Concrete Medians	242	sq. ft.	\$ 6.00	\$ 1,452.00	\$ 14.53	\$ 3,516.26	\$ 10.61	\$ 2,567.62		
11.	New 30" Concrete Curb & Gutter	2,030	lin. ft.	\$ 14.50	\$ 29,435.00	\$ 20.31	\$ 41,229.30	\$ 16.36	\$ 33,210.80		
12.	1.5" Hot Mix Asphalt Surface Course, Type 5 LT	409	ton	\$ 70.00	\$ 28,630.00	\$ 68.50	\$ 28,016.50	\$ 69.19	\$ 28,298.71		
13.	3" Hot Mix Asphalt Lower Course, Type 4 LT	817	ton	\$ 74.50	\$ 60,866.50	\$ 65.50	\$ 53,513.50	\$ 66.16	\$ 54,052.72		
14.	1.25" Crushed Aggregate Base Course	2,573	ton	\$ 16.25	\$ 41,811.25	\$ 18.00	\$ 46,314.00	\$ 17.65	\$ 45,413.45		
15.	3" Breaker Run	3,405	ton	\$ 16.25	\$ 55,331.25	\$ 16.40	\$ 55,842.00	\$ 14.15	\$ 48,180.75		
16.	Clean & Tack	4,303	sq. yds.	\$ 0.15	\$ 645.45	\$ 0.15	\$ 645.45	\$ 0.15	\$ 645.45		
17.	Excavation and Disposal of Base Subbase Below Subgrade	425	cu. yds.	\$ 17.00	\$ 7,225.00	\$ 33.50	\$ 14,237.50	\$ 20.55	\$ 8,733.75		
18.	Deleted			\$ -		\$ -		\$ -			
19.	Modular Concrete Retaining Wall	546	face square ft.	\$ 44.00	\$ 24,024.00	\$ 42.00	\$ 22,932.00	\$ 46.85	\$ 25,580.10		
20.	36-Inch High Painted Steel Railing	182	lin. ft.	\$ 128.00	\$ 23,296.00	\$ 148.70	\$ 27,063.40	\$ 138.00	\$ 25,116.00		
21.	Permanent Signage	1	lump sum	\$ 4,000.00	\$ 4,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,340.00	\$ 2,340.00		
22.	Permanent Pavement Markings	1	lump sum	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00	\$ 11,325.00		
23.	Sawcutting Existing Concrete and Asphalt Pavements	267	lin. ft.	\$ 2.50	\$ 667.50	\$ 3.50	\$ 934.50	\$ 2.25	\$ 600.75		
24.	Topsoil Restoration, Seeding, Fertilizing & Mulching	3,250	sq. yds.	\$ 7.00	\$ 22,750.00	\$ 3.08	\$ 10,010.00	\$ 5.45	\$ 17,712.50		
25.	Erosion Control	1	lump sum	\$ 6,800.00	\$ 6,800.00	\$ 9,100.00	\$ 9,100.00	\$ 10,800.00	\$ 10,800.00		
26.	Traffic Control	1	lump sum	\$ 8,750.00	\$ 8,750.00	\$ 8,750.00	\$ 8,750.00	\$ 8,750.00	\$ 8,750.00		
TOTAL BASE BID					\$ 507,978.25		\$ 518,344.75		\$ 527,605.78		

BID TABULATION

Project: 2021 CTH MN/Broadhead Street Utility and Street Improvements; Village of McFarland
 Engineer's Project Number: MC 174 Bid Deadline: February 11, 2021 at 10:00 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		JI Construction LLC		Speedway Sand & Gravel Inc		R.G. Huston Company, Inc.			
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT		
ALTERNATE BID 1- PEDESTRIAN RRFB'S											
A1.1	Rapid Rectangular Flashing Beacon System with 18' Mast Arm Arrangement	4	each	\$ 14,000.00	\$ 56,000.00	\$ 13,981.25	\$ 55,925.00	\$ 14,122.48	\$ 56,489.92		
ALTERNATE BID 2- NEW HDPE FORCE MAIN											
A2.1	2" HDPE Force Main	408	lin. ft.	\$ 53.50	\$ 21,828.00	\$ 60.78	\$ 24,798.24	\$ 35.00	\$ 14,280.00		
ALTERNATE BID 3- PARKING AREAS											
A3.1a	Deleted			\$ -		\$ -		\$ -			
A3.1b	7" Thick Concrete Sidewalk and Aprons	3,018	sq. ft.	\$ 6.00	\$ 18,108.00	\$ 5.80	\$ 17,504.40	\$ 6.75	\$ 20,371.50		
A3.2	1.25" Crushed Aggregate Base Course	150	tons	\$ 16.25	\$ 2,437.50	\$ 18.00	\$ 2,700.00	\$ 17.65	\$ 2,647.50		
	TOTAL ALTERNATE BID 3				\$ 20,545.50		\$ 20,204.40		\$ 23,019.00		
ALTERNATE BID 4- FUTURE COMMUNICATIONS CONDUIT											
A4.1	PVC Conduit	1,034	lin. ft.	\$ 11.00	\$ 11,374.00	\$ 6.00	\$ 6,204.00	\$ 6.06	\$ 6,266.04		
A4.2	Conduit Handhole	3	each	\$ 1,150.00	\$ 3,450.00	\$ 1,200.00	\$ 3,600.00	\$ 1,212.12	\$ 3,636.36		
	TOTAL ALTERNATE BID 4				\$ 14,824.00		\$ 9,804.00		\$ 9,902.40		
SUPPLEMENTAL BID ITEMS											
S1.	Property Corner Replacement	1	each	\$ 700.00	\$ 700.00	\$ 280.00	\$ 280.00	\$ 500.00	\$ 500.00		

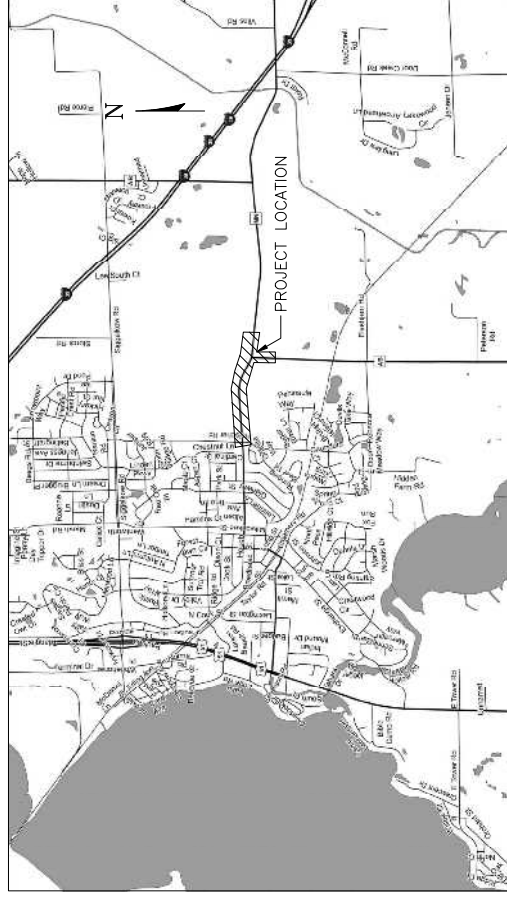
**2021 CTH MN/Broadhead Street Utility and Street Improvements
Village of McFarland
Bid Alternate Combination Breakout**

	S & L Underground, Inc.	Raymond P. Cattell Inc.	Parisi Construction Co. Inc.	G-Pro Excavating LLC	Wolf Paving	Plaschinski Const. Inc.	Badgerland Excavating Corp.	Jl Construction LLC	Speedway Sand & Gravel Inc.	R.G. Huston Company, Inc.
Bid Section Totals										
Base Bid (B)	\$ 432,864.37	\$ 435,488.75	\$ 435,575.08	\$ 436,120.35	\$ 436,789.83	\$ 468,738.20	\$ 485,720.53	\$ 507,978.25	\$ 518,344.75	\$ 527,605.78
Alt Bid 1- RRFBS (A1)	\$ 58,000.00	\$ 55,925.00	\$ 62,000.00	\$ 56,000.00	\$ 55,925.00	\$ 55,925.00	\$ 56,000.00	\$ 56,000.00	\$ 55,925.00	\$ 56,489.92
Alt Bid 2- New HDPE FM (A2)	\$ 19,380.00	\$ 16,320.00	\$ 14,892.00	\$ 14,280.00	\$ 28,090.80	\$ 31,824.00	\$ 21,216.00	\$ 21,828.00	\$ 24,798.24	\$ 14,280.00
Alt Bid 3- Parking Areas (A3)	\$ 19,036.80	\$ 19,150.80	\$ 20,056.20	\$ 19,303.50	\$ 17,191.80	\$ 20,056.68	\$ 20,358.00	\$ 20,545.50	\$ 20,204.40	\$ 23,019.00
Alt Bid 4- Future Communications Conduit (A4)	\$ 11,272.00	\$ 9,804.00	\$ 10,546.00	\$ 10,988.00	\$ 9,804.00	\$ 9,804.00	\$ 9,804.00	\$ 14,824.00	\$ 9,804.00	\$ 9,902.40
Supplemental Bid Items (S)	\$ 500.00	\$ 500.00	\$ 770.00	\$ 500.00	\$ 750.00	\$ 500.00	\$ 100.00	\$ 700.00	\$ 280.00	\$ 500.00
Bid Alternate Combinations										
B+A1	\$ 490,864.37	\$ 491,413.75	\$ 497,575.08	\$ 492,120.35	\$ 492,714.83	\$ 524,663.20	\$ 541,720.53	\$ 563,978.25	\$ 574,269.75	\$ 584,095.70
B+A1+A2	\$ 510,244.37	\$ 507,733.75	\$ 512,467.08	\$ 506,400.35	\$ 520,805.63	\$ 556,487.20	\$ 562,936.53	\$ 585,806.25	\$ 599,067.99	\$ 598,375.70
B+A1+A2+A3	\$ 529,281.17	\$ 526,884.55	\$ 532,523.28	\$ 525,703.85	\$ 537,997.43	\$ 576,543.88	\$ 583,294.53	\$ 606,351.75	\$ 619,272.39	\$ 621,394.70
B+A1+A2+A4	\$ 521,516.37	\$ 517,537.75	\$ 523,013.08	\$ 517,388.35	\$ 530,609.63	\$ 566,291.20	\$ 572,740.53	\$ 600,630.25	\$ 608,871.99	\$ 608,278.10
B+A1+A2+A3+A4	\$ 540,553.17	\$ 536,688.55	\$ 543,069.28	\$ 536,691.85	\$ 547,801.43	\$ 586,347.88	\$ 593,098.53	\$ 621,175.75	\$ 629,076.39	\$ 631,297.10
B+A1+A3	\$ 509,901.17	\$ 510,564.55	\$ 517,631.28	\$ 511,423.85	\$ 509,906.63	\$ 544,719.88	\$ 562,078.53	\$ 584,523.75	\$ 594,474.15	\$ 607,114.70
B+A1+A3+A4	\$ 521,173.17	\$ 520,368.55	\$ 528,177.28	\$ 522,411.85	\$ 519,710.63	\$ 554,523.88	\$ 571,882.53	\$ 599,347.75	\$ 604,278.15	\$ 617,017.10
B+A1+A4	\$ 502,136.37	\$ 501,217.75	\$ 508,121.08	\$ 503,108.35	\$ 502,518.83	\$ 534,467.20	\$ 551,524.53	\$ 578,802.25	\$ 584,073.75	\$ 593,998.10
B+A2	\$ 452,244.37	\$ 451,808.75	\$ 450,467.08	\$ 450,400.35	\$ 464,880.63	\$ 500,562.20	\$ 506,936.53	\$ 529,806.25	\$ 543,142.99	\$ 541,885.78
B+A2+A3	\$ 471,281.17	\$ 470,959.55	\$ 470,523.28	\$ 469,703.85	\$ 482,072.43	\$ 520,618.88	\$ 527,294.53	\$ 550,351.75	\$ 563,347.39	\$ 564,904.78
B+A2+A3+A4	\$ 482,553.17	\$ 480,763.55	\$ 481,069.28	\$ 480,691.85	\$ 491,876.43	\$ 530,422.88	\$ 537,098.53	\$ 565,175.75	\$ 573,151.39	\$ 574,807.18
B+A2+A4	\$ 463,516.37	\$ 461,612.75	\$ 461,013.08	\$ 461,388.35	\$ 474,684.63	\$ 510,366.20	\$ 516,740.53	\$ 544,630.25	\$ 552,946.99	\$ 551,788.18
B+A3	\$ 451,901.17	\$ 454,639.55	\$ 455,631.28	\$ 455,423.85	\$ 453,981.63	\$ 488,794.88	\$ 506,078.53	\$ 528,523.75	\$ 538,549.15	\$ 550,624.78
B+A3+A4	\$ 463,173.17	\$ 464,443.55	\$ 466,177.28	\$ 466,411.85	\$ 463,785.63	\$ 498,598.88	\$ 515,882.53	\$ 543,347.75	\$ 548,353.15	\$ 560,527.18
B+A4	\$ 444,136.37	\$ 445,292.75	\$ 446,121.08	\$ 447,108.35	\$ 446,593.83	\$ 478,542.20	\$ 495,524.53	\$ 522,802.25	\$ 528,148.75	\$ 537,508.18
B+A1+S	\$ 491,364.37	\$ 491,913.75	\$ 498,345.08	\$ 492,620.35	\$ 493,464.83	\$ 525,163.20	\$ 541,820.53	\$ 564,678.25	\$ 574,549.75	\$ 584,595.70
B+A1+A2+S	\$ 510,744.37	\$ 508,233.75	\$ 513,237.08	\$ 506,900.35	\$ 521,555.63	\$ 556,987.20	\$ 563,036.53	\$ 586,506.25	\$ 599,347.99	\$ 598,875.70
B+A1+A2+A3+S	\$ 529,781.17	\$ 527,384.55	\$ 533,293.28	\$ 526,203.85	\$ 538,747.43	\$ 577,043.88	\$ 583,394.53	\$ 607,051.75	\$ 619,552.39	\$ 621,894.70
B+A1+A2+A4+S	\$ 522,016.37	\$ 518,037.75	\$ 523,783.08	\$ 517,888.35	\$ 531,359.63	\$ 566,791.20	\$ 572,840.53	\$ 601,330.25	\$ 609,151.99	\$ 608,778.10
B+A1+A2+A3+A4+S	\$ 541,053.17	\$ 537,188.55	\$ 543,839.28	\$ 537,191.85	\$ 548,551.43	\$ 586,847.88	\$ 593,198.53	\$ 621,875.75	\$ 629,356.39	\$ 631,797.10
B+A1+A3+S	\$ 510,401.17	\$ 511,064.55	\$ 518,401.28	\$ 511,923.85	\$ 510,656.63	\$ 545,219.88	\$ 562,178.53	\$ 585,223.75	\$ 594,754.15	\$ 607,614.70
B+A1+A3+A4+S	\$ 521,673.17	\$ 520,868.55	\$ 528,947.28	\$ 522,911.85	\$ 520,460.63	\$ 555,023.88	\$ 571,982.53	\$ 600,047.75	\$ 604,558.15	\$ 617,517.10
B+A1+A4+S	\$ 502,636.37	\$ 501,717.75	\$ 508,891.08	\$ 503,608.35	\$ 503,268.83	\$ 534,967.20	\$ 551,624.53	\$ 579,502.25	\$ 584,353.75	\$ 594,498.10
B+A2+S	\$ 452,744.37	\$ 452,308.75	\$ 451,237.08	\$ 450,900.35	\$ 465,630.63	\$ 501,062.20	\$ 507,036.53	\$ 530,506.25	\$ 543,422.99	\$ 542,385.78
B+A2+A3+S	\$ 471,781.17	\$ 471,459.55	\$ 471,293.28	\$ 470,203.85	\$ 482,822.43	\$ 521,118.88	\$ 527,394.53	\$ 551,051.75	\$ 563,627.39	\$ 565,404.78
B+A2+A3+A4+S	\$ 483,053.17	\$ 481,263.55	\$ 481,839.28	\$ 481,191.85	\$ 492,626.43	\$ 530,922.88	\$ 537,198.53	\$ 565,875.75	\$ 573,431.39	\$ 575,307.18
B+A2+A4+S	\$ 464,016.37	\$ 462,112.75	\$ 461,783.08	\$ 461,888.35	\$ 475,434.63	\$ 510,866.20	\$ 516,840.53	\$ 545,330.25	\$ 553,226.99	\$ 552,288.18
B+A3+S	\$ 452,401.17	\$ 455,139.55	\$ 456,401.28	\$ 455,923.85	\$ 454,731.63	\$ 489,294.88	\$ 506,178.53	\$ 529,223.75	\$ 538,829.15	\$ 551,124.78
B+A3+A4+S	\$ 463,673.17	\$ 464,943.55	\$ 466,947.28	\$ 466,911.85	\$ 464,535.63	\$ 499,098.88	\$ 515,982.53	\$ 544,047.75	\$ 548,633.15	\$ 561,027.18
B+A4+S	\$ 444,636.37	\$ 445,792.75	\$ 446,891.08	\$ 447,608.35	\$ 447,343.83	\$ 479,042.20	\$ 495,624.53	\$ 523,502.25	\$ 528,428.75	\$ 538,008.18

2021 CTH MN/BROADHEAD STREET UTILITY AND STREET IMPROVEMENTS

Village of McFarland, Wisconsin

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
1	EROSION CONTROL PLAN AND GENERAL NOTES
2	EROSION CONTROL - STANDARD CONSTRUCTION DETAILS
SANITARY SEWER, WATER MAIN, AND STORM SEWER	
A1	PLAN & PROFILE - CTH MN STATION 11+20 TO STATION 17+20
A2	PLAN & PROFILE - CTH MN STATION 16+60 TO STATION 22+60
A3	SANITARY SEWER - STANDARD CONSTRUCTION DETAILS
A4	WATER MAIN - STANDARD CONSTRUCTION DETAILS
A5	STORM SEWER - STANDARD CONSTRUCTION DETAILS
A6	STREET IMPROVEMENTS - STANDARD CONSTRUCTION DETAILS
B1	PLAN & PROFILE - CTH MN STATION 11+20 TO STATION 17+20
B2	PLAN & PROFILE - CTH MN STATION 16+60 TO STATION 22+60
X1	CROSS SECTIONS - CTH MN STATION XX+XX TO STATION XX+XX
X2	CROSS SECTIONS - CTH MN STATION XX+XX TO STATION XX+XX
X3	CROSS SECTIONS - CTH MN STATION XX+XX TO STATION XX+XX
X4	CROSS SECTIONS - CTH MN STATION XX+XX TO STATION XX+XX
X5	CROSS SECTIONS - CTH MN STATION XX+XX TO STATION XX+XX



NO SCALE

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES, BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
 WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

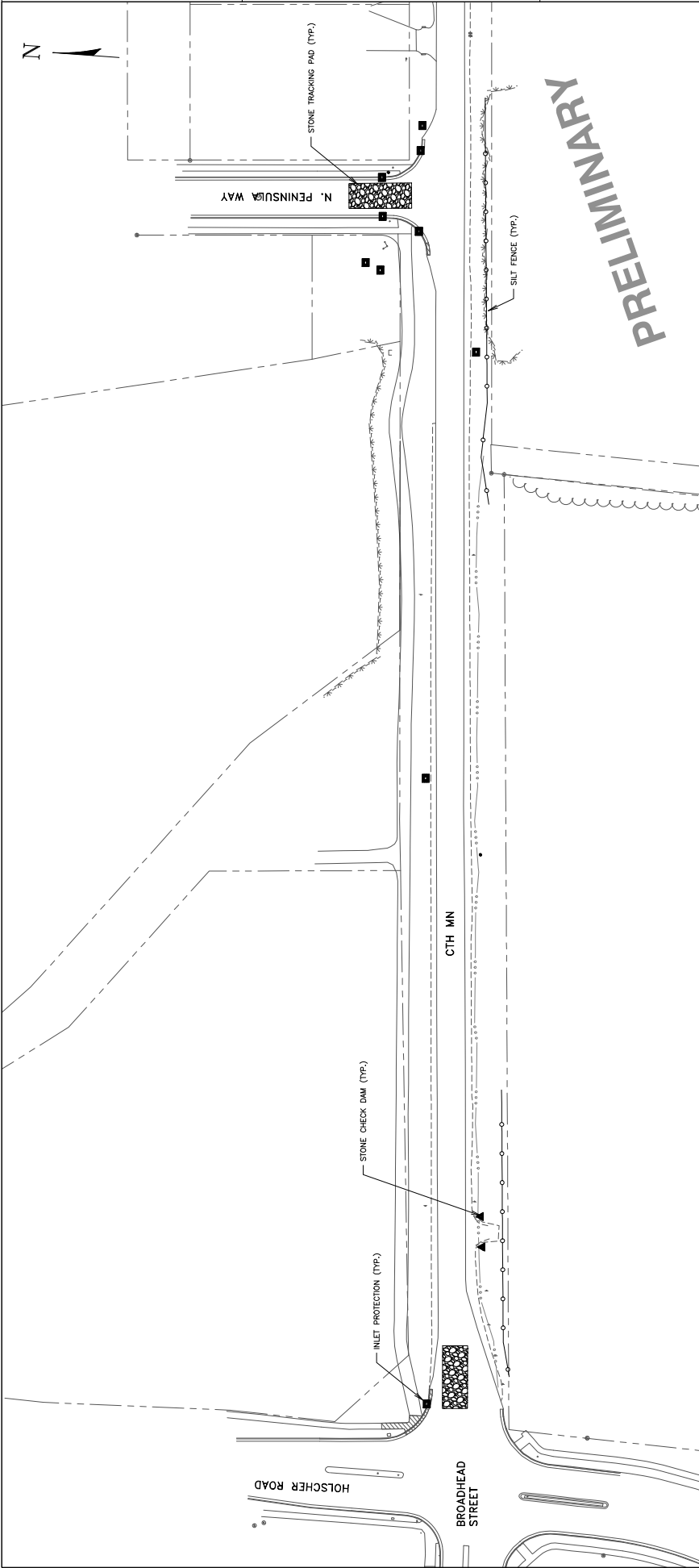
LEGEND

UNDERGROUND TELE. _____ UT _____ UT _____ UT _____ UT _____ UT
 UNDERGROUND CATV. _____ UT _____ UT _____ UT _____ UT _____ UT
 UNDERGROUND ELEC. _____ OH _____ UE _____ UE _____ UE _____ UE _____ UE
 OVERHEAD _____ OH _____ OH _____ OH _____ OH _____ OH _____ OH
 EXISTING GAS _____ G _____ G _____ G _____ G _____ G _____ G _____ G
 PROPERTY LINE _____ PL _____ PL _____ PL _____ PL _____ PL _____ PL _____ PL
 EXISTING WATER MAIN _____ WM _____ WM _____ WM _____ WM _____ WM _____ WM _____ WM
 EXISTING SANITARY SEWER _____ SS _____ SS _____ SS _____ SS _____ SS _____ SS _____ SS
 EXISTING STORM SEWER _____ STW _____ STW _____ STW _____ STW _____ STW _____ STW _____ STW
 EXISTING FENCE LINE _____ FL _____ FL _____ FL _____ FL _____ FL _____ FL _____ FL
 SAWCUT _____ SC _____ SC _____ SC _____ SC _____ SC _____ SC _____ SC
 NEW STORM SEWER _____ NSW _____ NSW _____ NSW _____ NSW _____ NSW _____ NSW _____ NSW
 NEW WATER MAIN _____ NWM _____ NWM _____ NWM _____ NWM _____ NWM _____ NWM _____ NWM
 NEW SANITARY SEWER _____ NSS _____ NSS _____ NSS _____ NSS _____ NSS _____ NSS _____ NSS

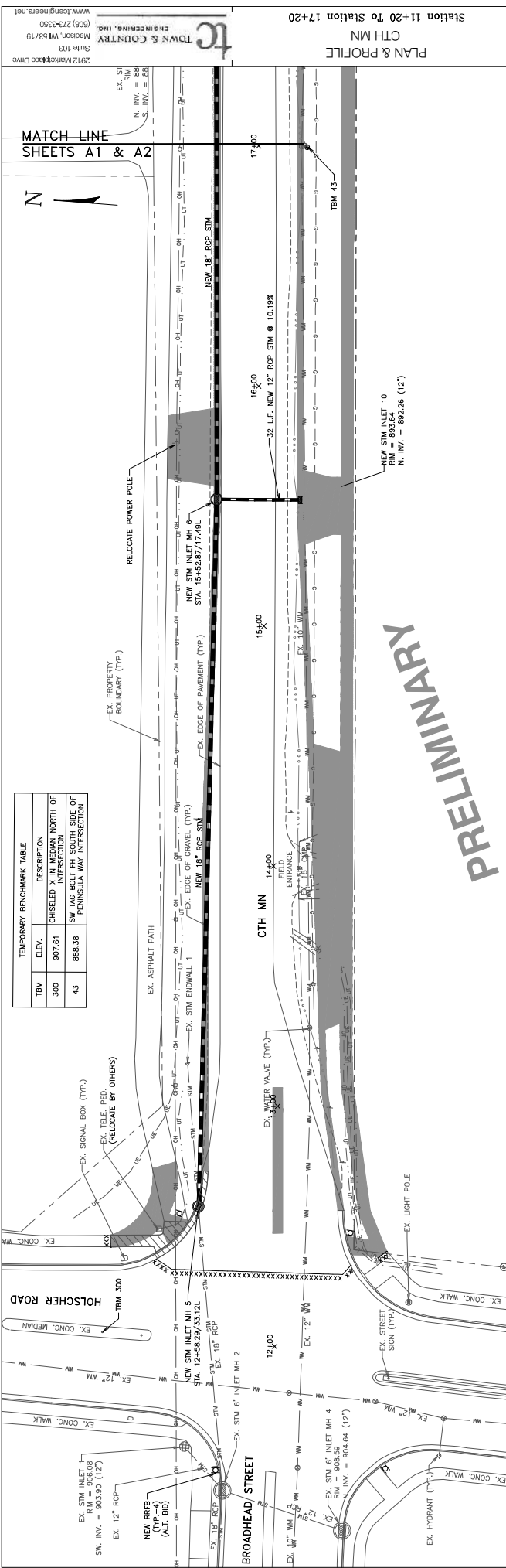
NEW ITEMS:
 WATER VALVE WATER VALVE
 FLAG POLE FLAG POLE
 MAILEBOX MAILEBOX
 CURB STOP CURB STOP
 HYDRANT HYDRANT
 HYDRANT MANHOLE HYDRANT MANHOLE
 CURB INLET CURB INLET
 ENDWALL ENDWALL
 GAS WARNING GAS WARNING
 PULL BOX PULL BOX
 LAMP POST LAMP POST
 MONITORING WELL MONITORING WELL
 WELL WELL
 CLEANOUT CLEANOUT
 STORM MANHOLE STORM MANHOLE
 SANITARY VALVE SANITARY VALVE
 SANITARY MANHOLE SANITARY MANHOLE
 SQUARE INLET SQUARE INLET
 CATV. PED. TELE. PED. ELEC. PED. GAS VALVE CATV. PED. TELE. PED. ELEC. PED. GAS VALVE
 STREET SIGN STREET SIGN
 IRON PIPE IRON PIPE
 IRON ROD IRON ROD
 SHRUB OR HEDGE (RELATIVE SIZE SHOWN) SHRUB OR HEDGE (RELATIVE SIZE SHOWN)

EXISTING ITEMS:
 WATER VALVE WATER VALVE
 FLAG POLE FLAG POLE
 MAILEBOX MAILEBOX
 CURB STOP CURB STOP
 HYDRANT HYDRANT
 HYDRANT MANHOLE HYDRANT MANHOLE
 CURB INLET CURB INLET
 ENDWALL ENDWALL
 GAS WARNING GAS WARNING
 PULL BOX PULL BOX
 LAMP POST LAMP POST
 MONITORING WELL MONITORING WELL
 WELL WELL
 CLEANOUT CLEANOUT
 STORM MANHOLE STORM MANHOLE
 SANITARY VALVE SANITARY VALVE
 SANITARY MANHOLE SANITARY MANHOLE
 SQUARE INLET SQUARE INLET
 CATV. PED. TELE. PED. ELEC. PED. GAS VALVE CATV. PED. TELE. PED. ELEC. PED. GAS VALVE
 STREET SIGN STREET SIGN
 IRON PIPE IRON PIPE
 IRON ROD IRON ROD
 SHRUB OR HEDGE (RELATIVE SIZE SHOWN) SHRUB OR HEDGE (RELATIVE SIZE SHOWN)

NOTES: 1.) EXISTING FEATURES AND LABELS ARE SHOWN WITH SCREENED, LIGHTER LINES.
 2.) NEW CONCRETE IS SHOWN SHADY IN PLAN VIEWS
 3.) CONCRETE REBAR/RAILS ARE SHOWN BY CROSS-HATCHING



- EROSION CONTROL NOTES:**
- LOCATIONS MARKED WITH TO RECEIVE INLET FILTER PROTECTION DURING CONSTRUCTION. ALL NEW STREET INLETS MUST ALSO RECEIVE INLET FILTER PROTECTION.
 - CONSTRUCT A STONE CHECK DAM IN GUTTER LINE AT ALL LOCATIONS MARKED WITH .
 - SURFACE FLOW DIRECTION IS INDICATED WITH .
 - SILT FENCE INSTALLATION IS INDICATED WITH .
 - POST WDR CERTIFICATE OF PERMITS COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED. THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDR.
 - KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
 - SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
 - THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
 - INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
 - WHEN POSSIBLE, PRESERVE EXISTING VEGETATION, (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
 - REFER TO THE WDR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://m.gov/topic/stormwater/standards/cons_sandord6.html.
 - INSTALL PERMETER CONTROL BASINS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCES) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCES(S).
 - INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR STORMWATER COLLECTION SYSTEM. COMPLY WITH WDR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.
 - STAKE CONSTRUCTION GRADING ACTIVITIES TO MAINTAIN THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
 - NOTIFY THE OWNER IF Dewatering is scheduled to occur in areas of soil and/or groundwater contamination. APPROPRIATE WDR Dewatering Discharge Permit has been obtained.
 - PROVIDE ANTI-SOIL PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO OR IF Dewatering will occur from a high capacity well (70 GPM or more), DEWATER ONLY AFTER THE CORRECTLY-FITTED HOSE AND SCOTCHLE FILTER BAGS (PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDR TECHNICAL STANDARD DE-WATERING #1061).
 - INSTALL AND MAINTAIN SILT FENCING PER WDR TECHNICAL STANDARD SILT FENCE #1066. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A LEAFH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
 - BREAKS BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPAIR BECOMING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDR TECHNICAL STANDARD DITCH CHECKS #1062.
 - INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDR TECHNICAL STANDARD INTERIM MANUFACTURED PERMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
 - IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERMETER CONTROL. IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
 - IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN NOVEMBER 15 AND FEBRUARY 15, ALL DISTURBED AREAS SHALL BE COVERED WITH WINTER WEAT. ANALYZE AND MAINTAIN THE APPROPRIATE WDR REGIONAL WEAT AND TIRE WASHING #1057. USE WDR TECHNICAL STANDARD WEAT MIX AS APPROPRIATE FOR REGION AND SOIL TYPE. STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
 - STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
 - SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE OWNER. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
 - THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
 - COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULLED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, MAT BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
 - FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I, II OR III TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDR'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #102.
 - FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, II, OR III TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDR'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
 - INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, MATLES, SWALES, ETC.), OR AS DIRECTED BY THE OWNER.

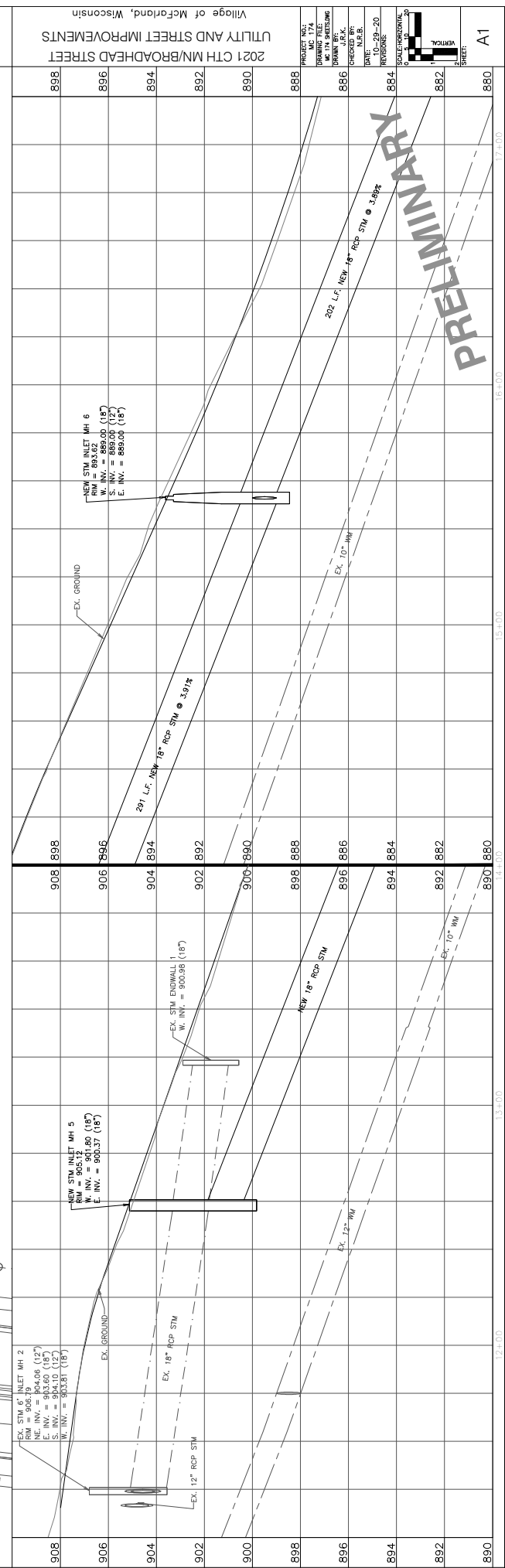


TEMPORARY BENCHMARK TABLE

TBM	ELEV.	DESCRIPTION
300	907.61	CHESELED X IN MEDIAN NORTH OF BROADHEAD STREET
43	866.38	SW TAC BOLT FOR SIGN SIDE OF PENNSILVIA WAY INTERSECTION

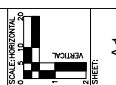
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PLAN & PROFILE
 CTH MN
 Station 11+20 to Station 17+20



UTILITY AND STREET IMPROVEMENTS
 Village of McFarland, Wisconsin

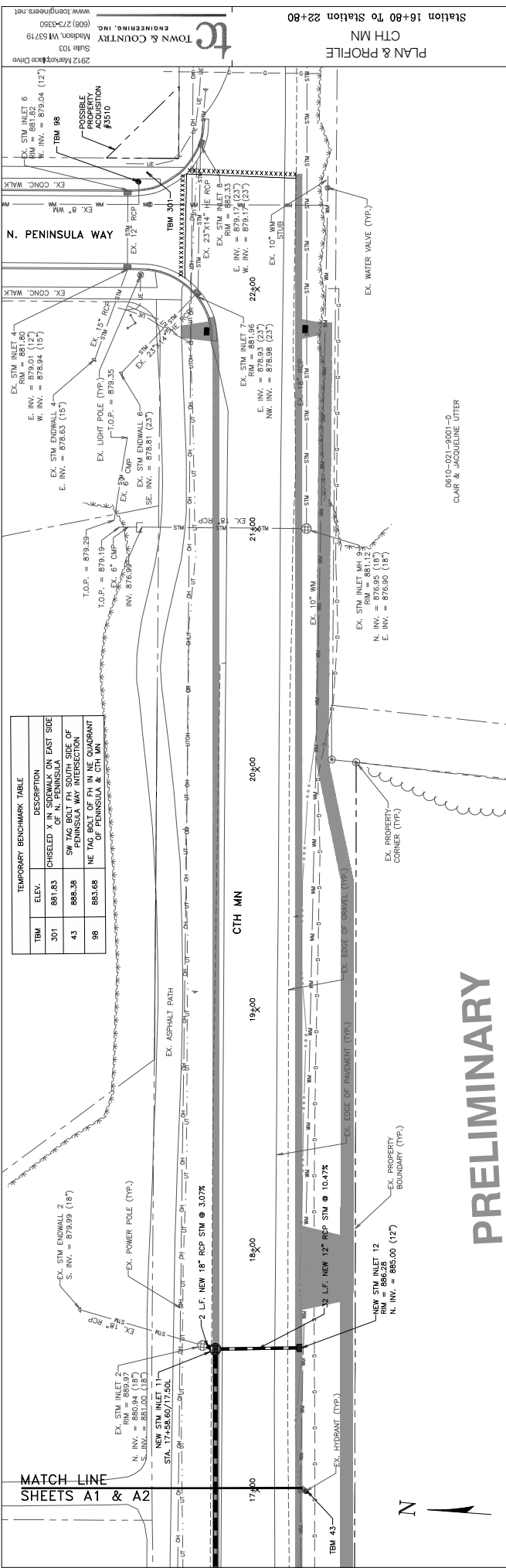
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 DATE: 10-29-20
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A1
 SHEET

PRELIMINARY

TBM	ELEV.	DESCRIPTION
301	881.83	CHISELED X OF N. PENINSULA WAY EAST SIDE
43	868.36	SW TAG BOLT FH SOUTH SIDE OF PENINSULA WAY INTERSECTION
98	883.68	NE TAG BOLT OF FH IN NE QUADRANT OF PENINSULA & CTH MN INTERSECTION



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 CTH MN
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UTILITY AND STREET IMPROVEMENTS
 2021 CTH MN/BROADHEAD STREET
 Village of McFarland, Wisconsin

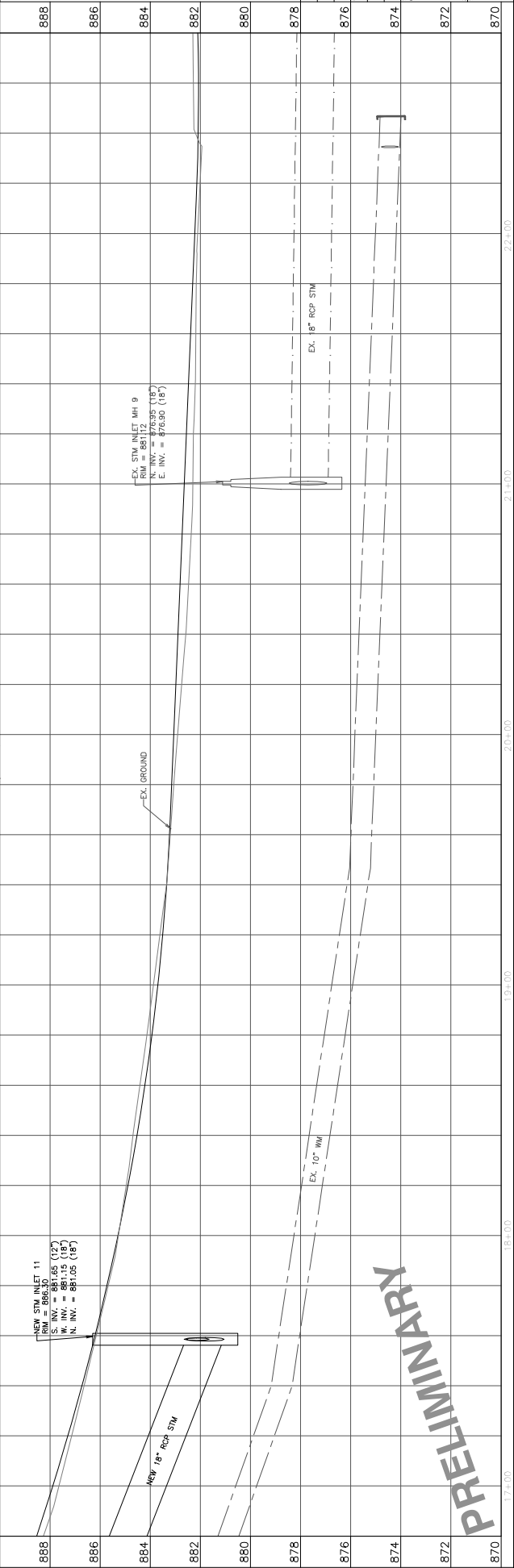
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 DRAINAGE P.K.
 CHECKED BY:
 DATE: 10-29-20
 REVISIONS:



A2
 SHEET

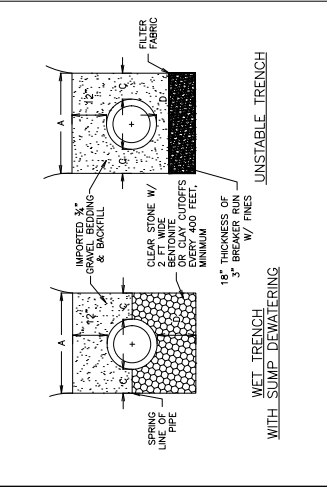
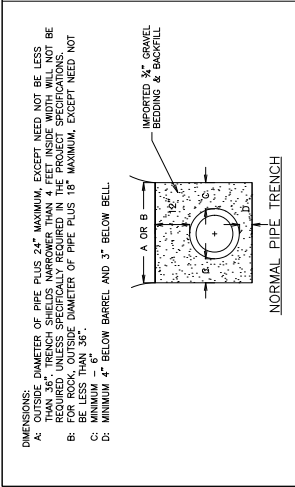
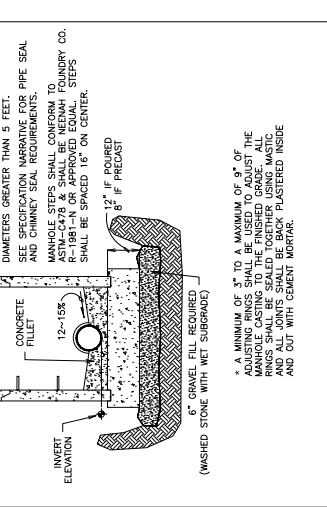
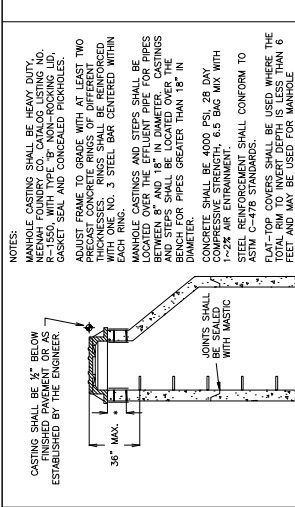
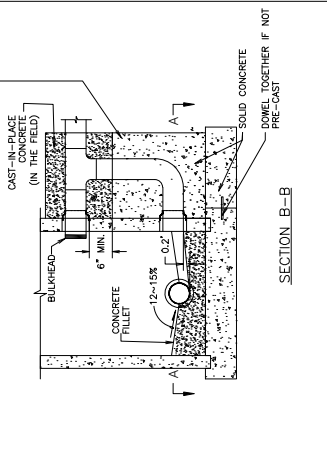
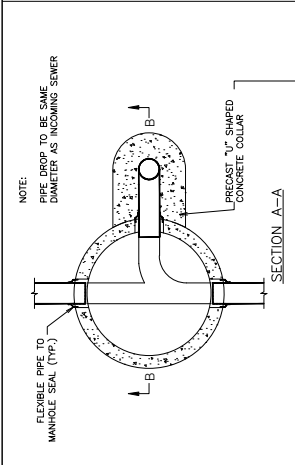
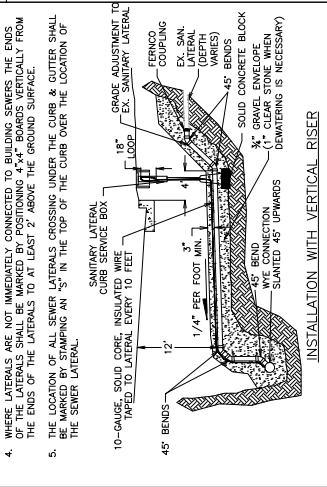
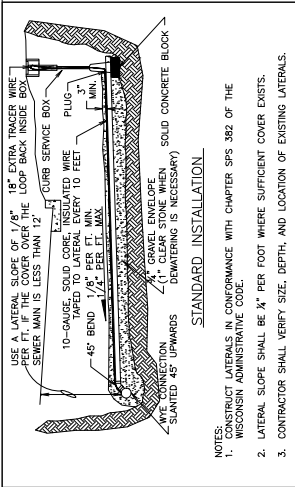
PRELIMINARY

PRELIMINARY



888
886
884
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878
876
874
872
870

17+00 18+00 19+00 20+00 21+00 22+00



NOTES:
 1. CONSTRUCT LATERALS IN CONFORMANCE WITH CHAPTER SPS 382 OF THE WISCONSIN ADMINISTRATIVE CODE.
 2. LATERAL SLOPE SHALL BE 1/8\"/>

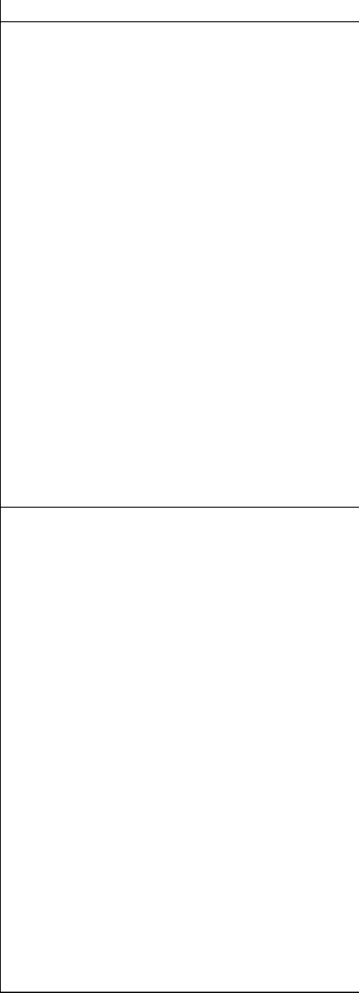
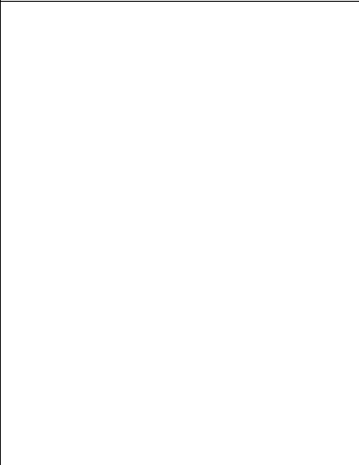
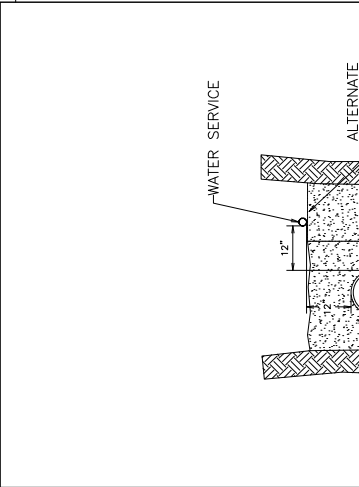
NOTES:
 1. MANHOLE CASTINGS SHALL BE HEAVY DUTY, NEMAH FOUNDRY CO. CATALOG LISTING NO. G-3555 WITH A 1/2\"/>

DETAIL
 SANITARY SEWER LATERAL

DETAIL
 DROP MANHOLE ENTRANCE

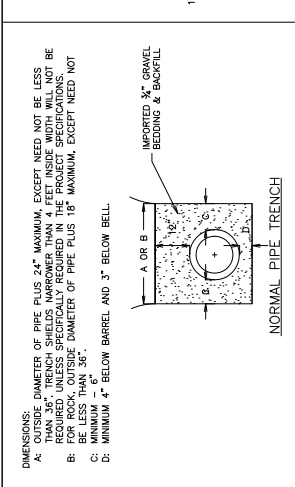
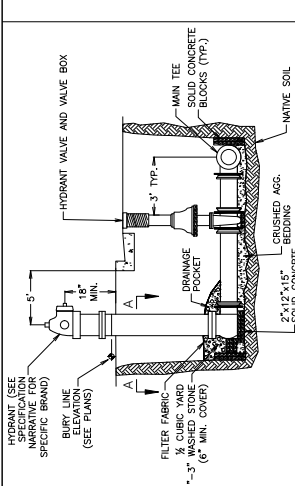
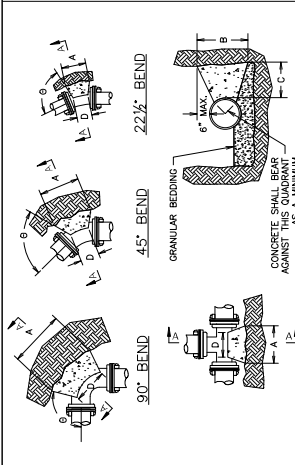
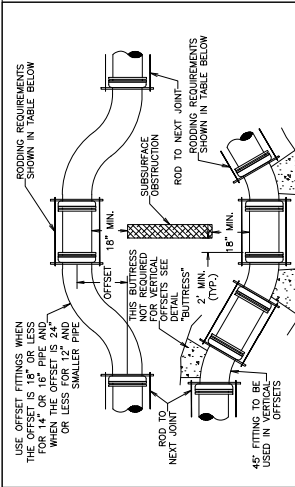
DETAIL
 MANHOLE

DETAIL
 TRENCH WIDTH AND BEDDING

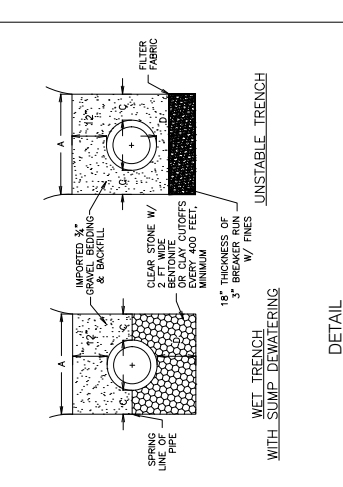
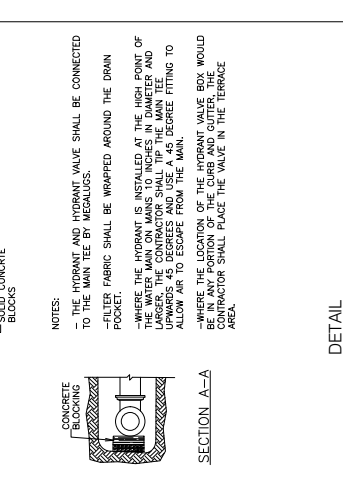
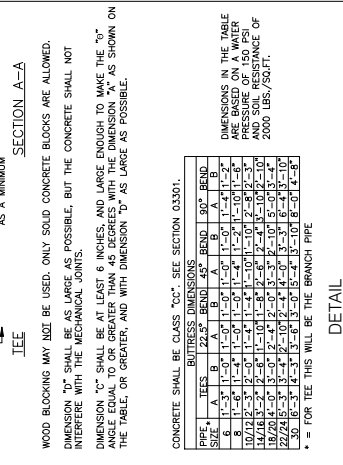
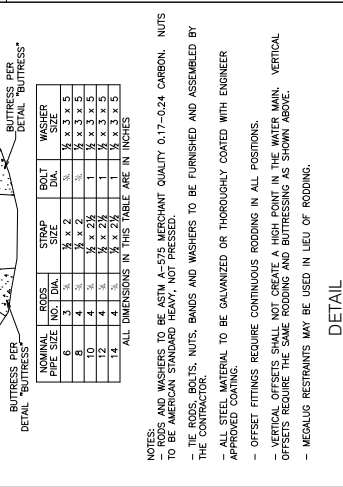


DETAIL
 JOINT TRENCH INSTALLATION

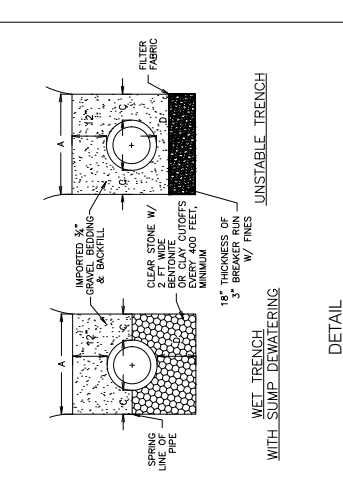
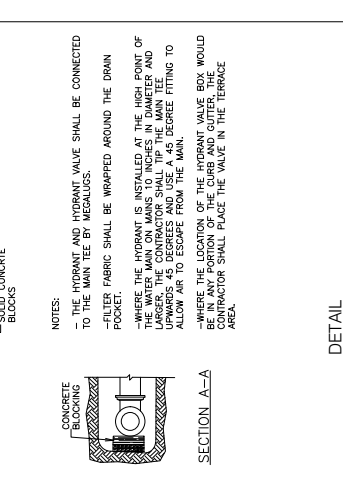
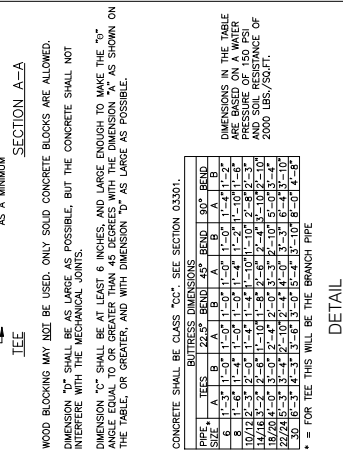
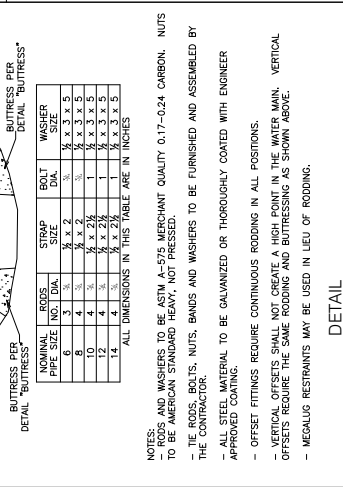
DETAIL
 JOINT TRENCH INSTALLATION



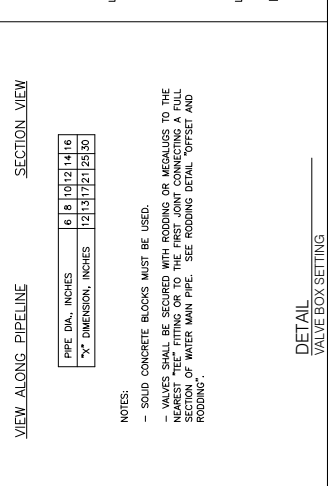
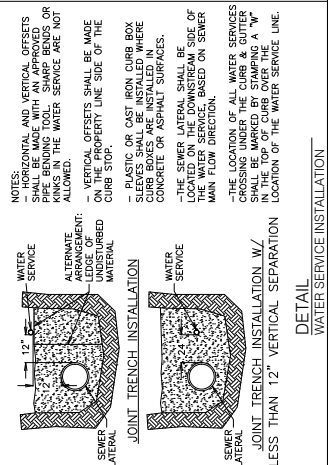
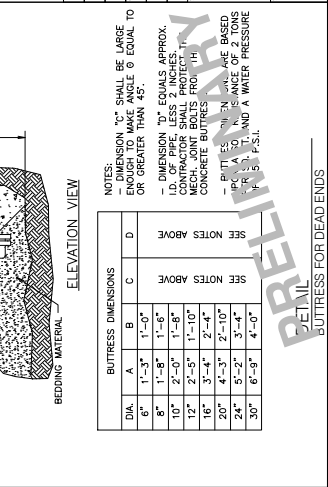
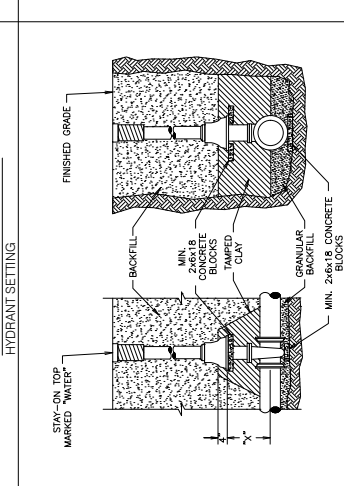
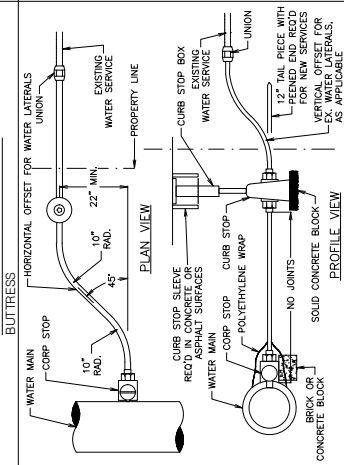
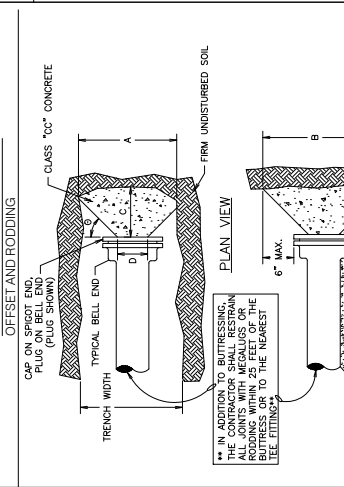
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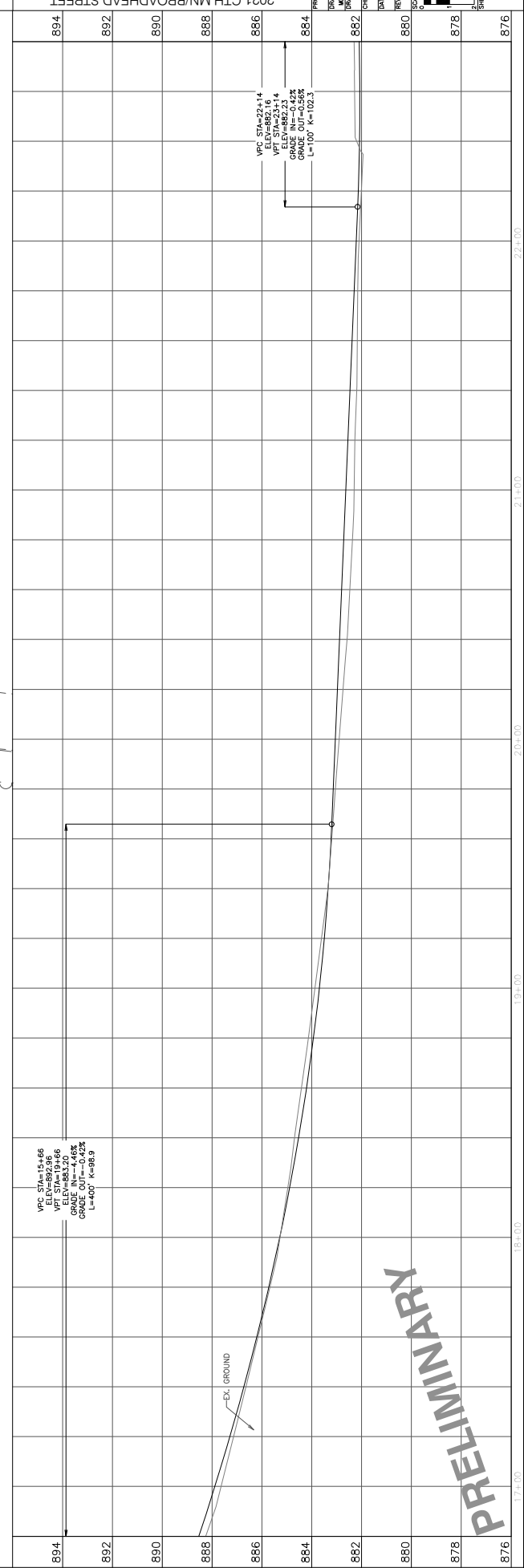
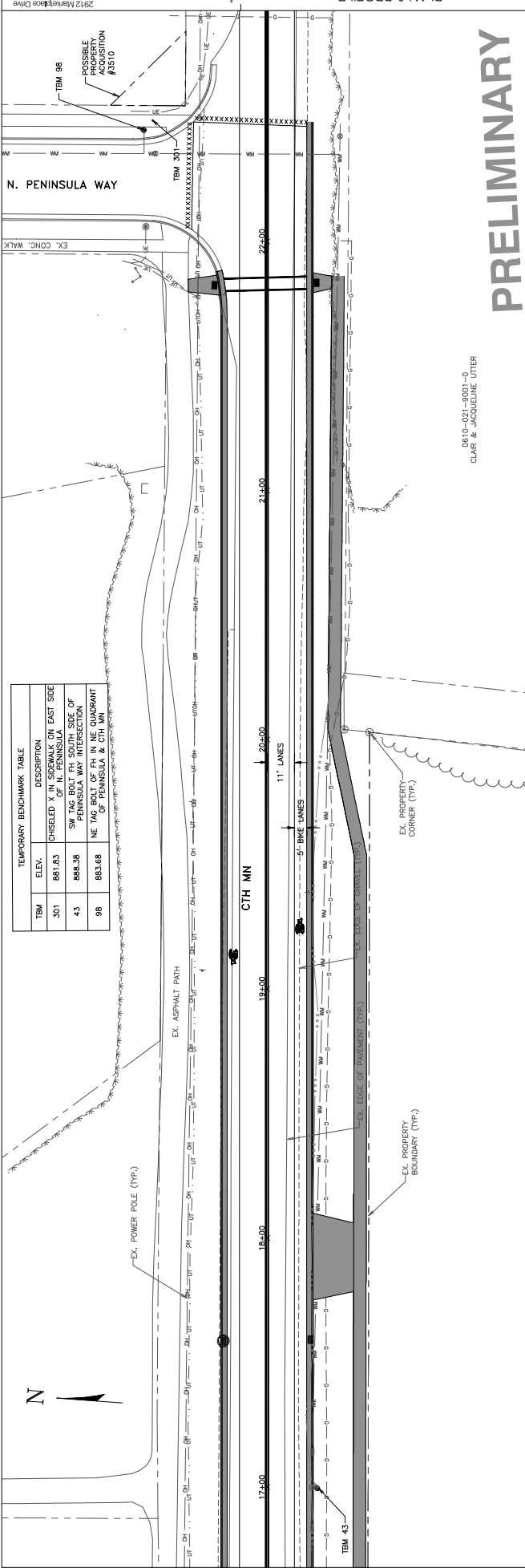


UTILITY AND STREET IMPROVEMENTS



2021 CTH MN/BROADHEAD STREETS





PRELIMINARY

PRELIMINARY



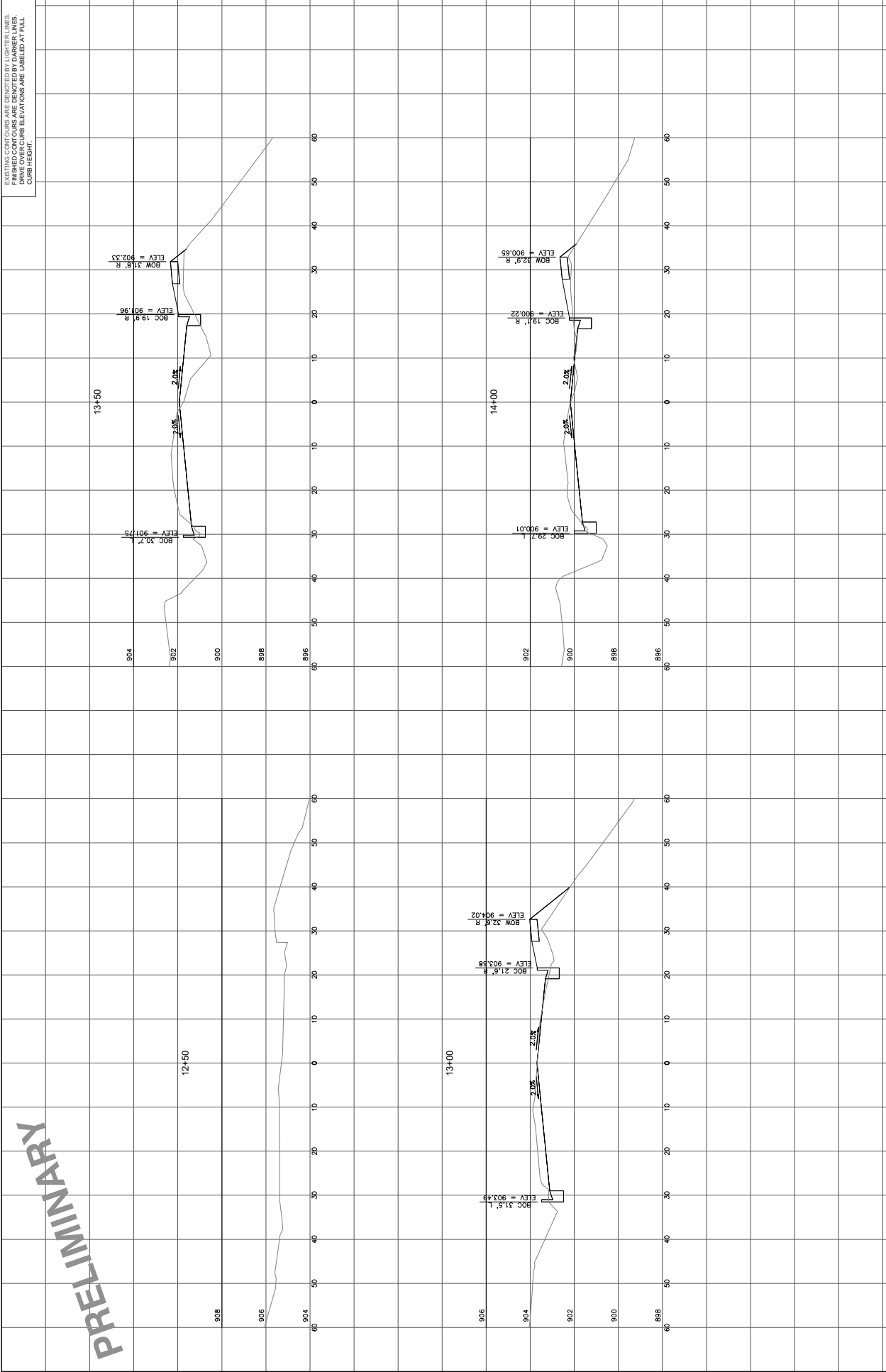
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 MR. TIM SHEPHERD
 DESIGNER
 DUNBAR, N.P.C.
 CHECKED BY:
 DATE: 10-28-20
 REVISIONS:
 SOCIAL/ENVIRONMENTAL

2021 CTH MN/BROADHEAD STREET
 UTILITY AND STREET IMPROVEMENTS
 Village of McFarland, Wisconsin

CROSS SECTIONS
 CTH MN
 Station X+XX To Station X+XX

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 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
 ALL ELEVATIONS AND ELEVATIONS ARE LABELED AT FULL
 CURB HEIGHT.



PRELIMINARY



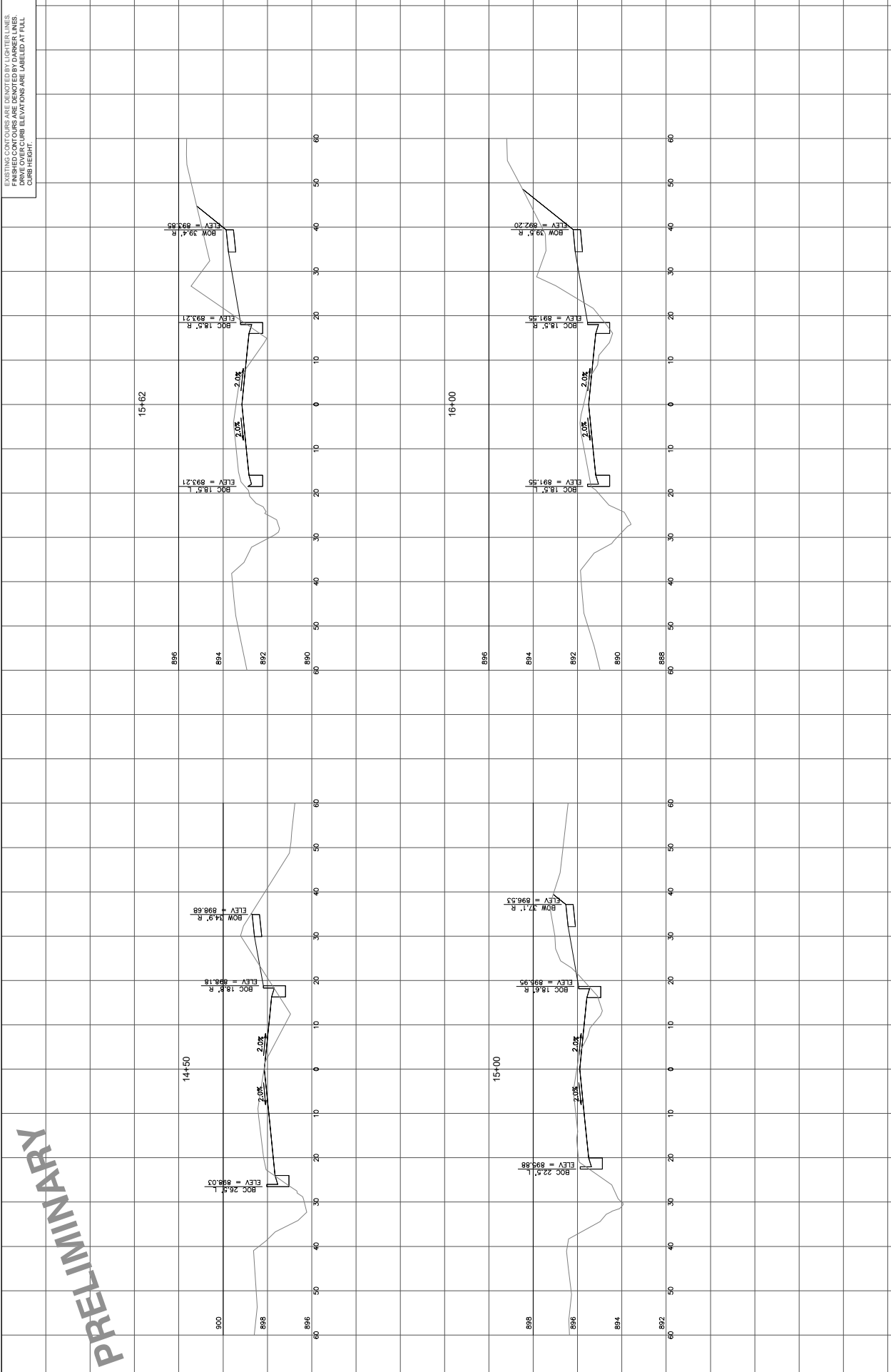
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2021 CTH MN/BROADHEAD STREET
 UTILITY AND STREET IMPROVEMENTS
 Village of McFarland, Wisconsin

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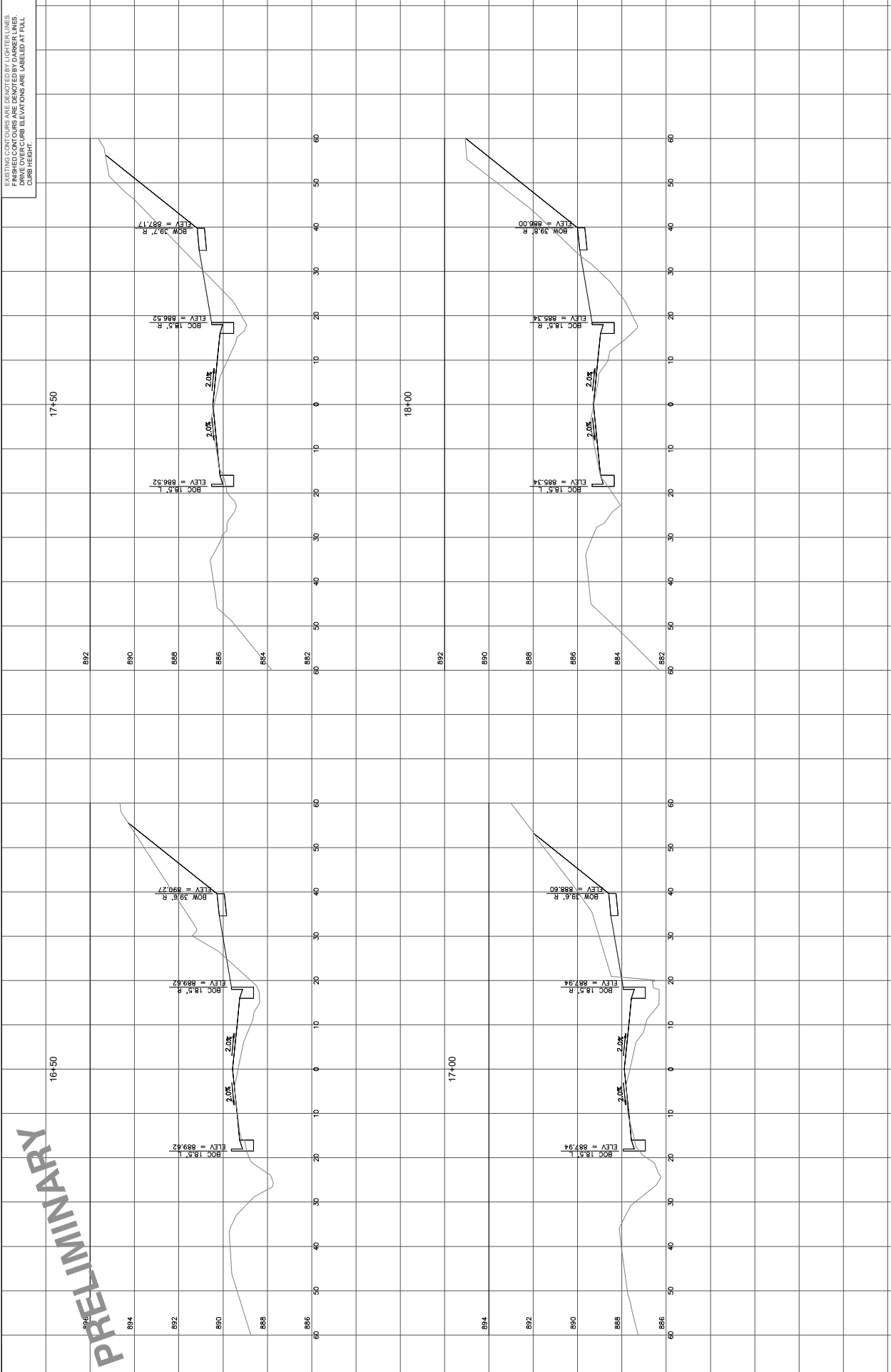
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2021 CTH MN/BROADHEAD STREET
 UTILITY AND STREET IMPROVEMENTS
 Village of McFarland, Wisconsin

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PROJECT NO.:
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 DATE:
 REVISIONS:

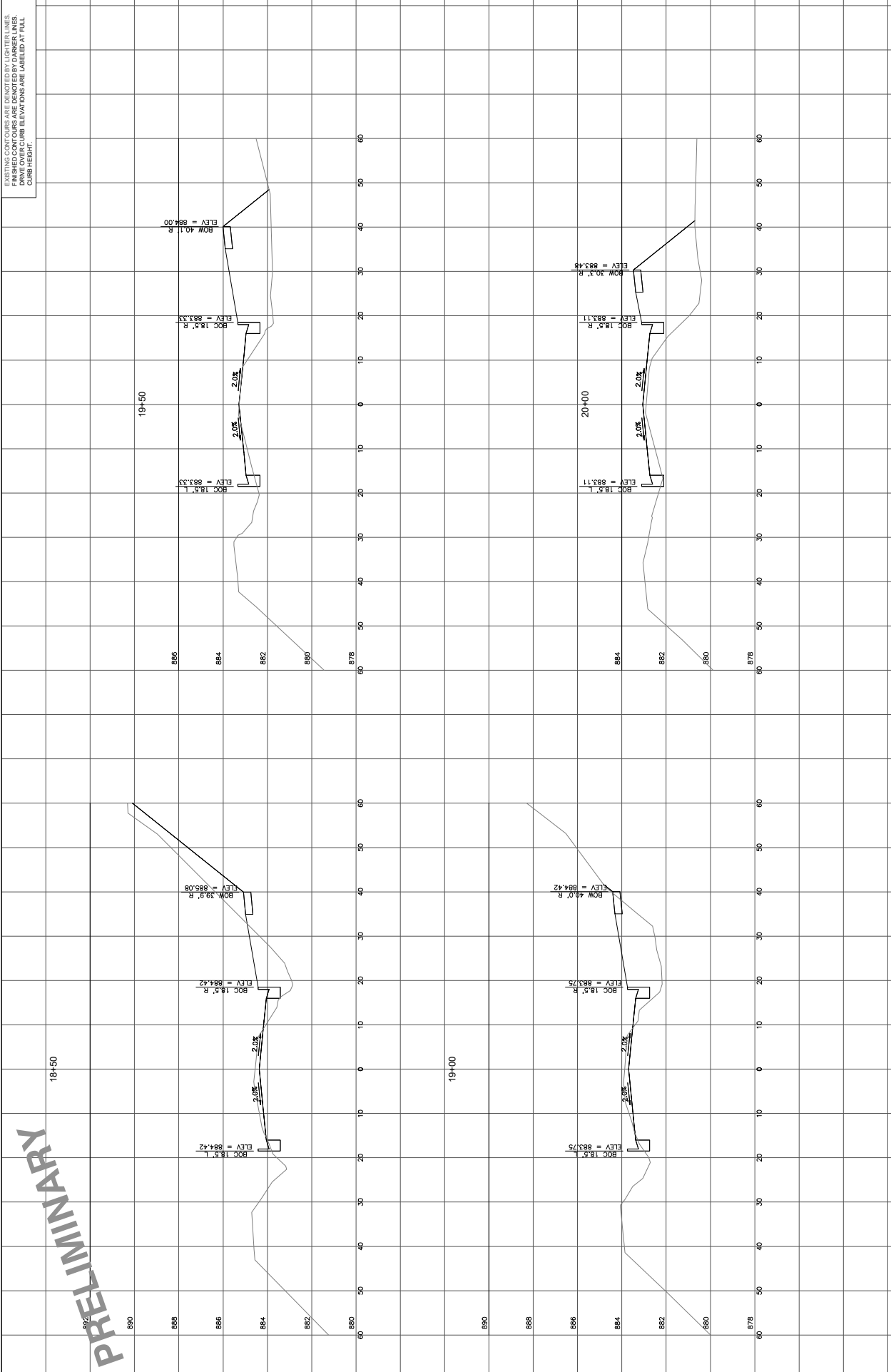
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 UTILITY AND STREET IMPROVEMENTS
 Village of McFarland, Wisconsin

CROSS SECTIONS
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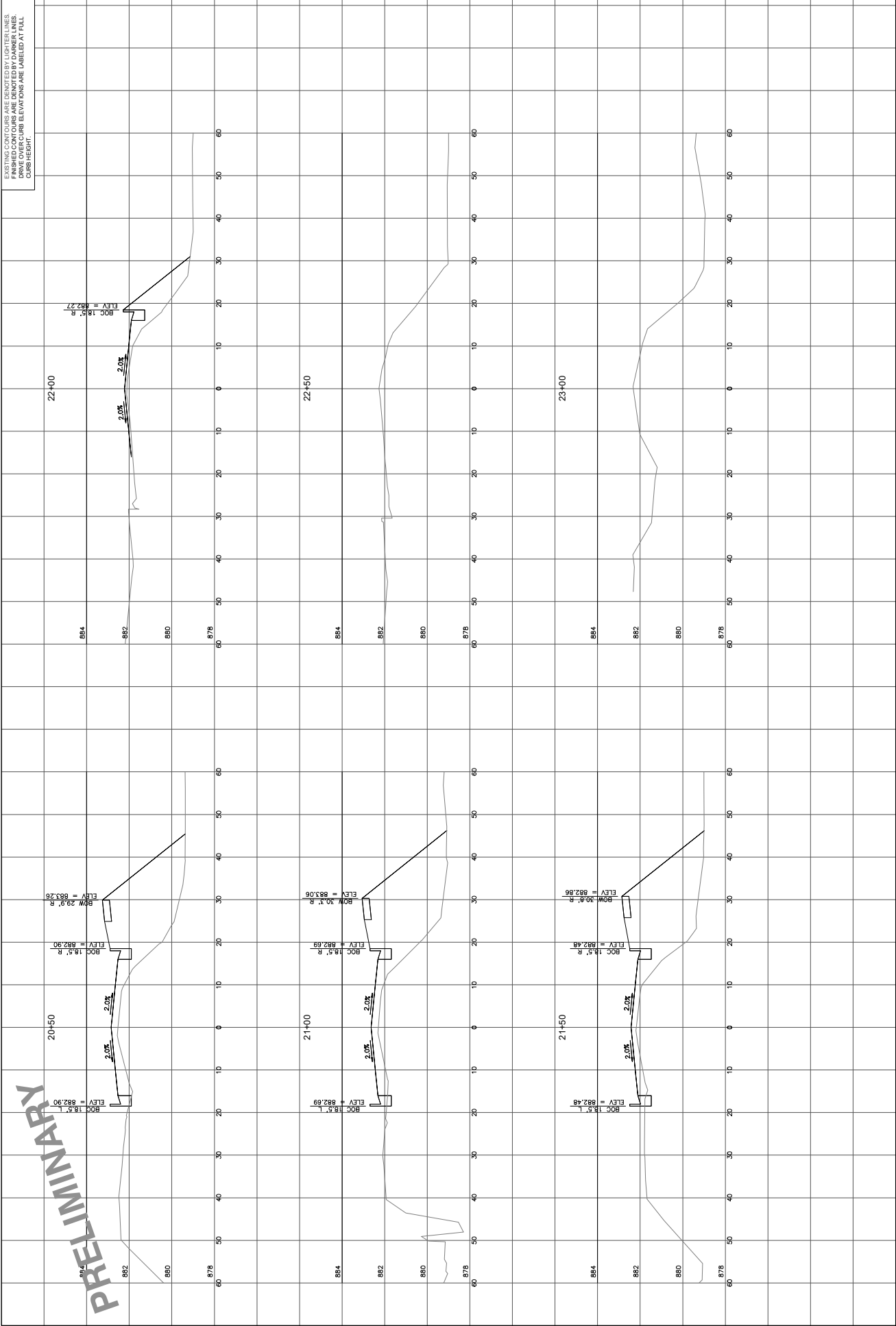
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 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
 FINISHED ELEVATIONS ARE LABELED AT FULL
 CURB HEIGHT.



PRELIMINARY

EXISTING CONTOURS ARE DENOTED BY LIGHTER LINES.
 FINISHED CONTOURS ARE DENOTED BY DARKER LINES.
 FINISHED ELEVATIONS ARE LABELED AT FULL
 CROSS HEIGHT.



PRELIMINARY


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, February 16, 2021

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Jim Hessling, Public Works Director

AGENDA ITEM: Discussion regarding asset management.

PREVIOUS ACTION:

None.

ISSUE SUMMARY:

At the January 2021 Public Utilities Committee the information below was provided regarding asset management. Staff want to allow for adequate discussion time regarding this topic with Public Utilities and Public Works committee members.

Public Works supervisory staff, along with the Village Administrator and the Village Engineer recently discussed the topic of asset management. Discussion from that meeting produced a series of points that are covered in this summary and include the following:

- Extent of the information that we currently have
- What is currently out on the market
- What others in the area have and use

Extent of the information that we currently have

The Village of McFarland Public Works Department currently utilizes both paper and electronic records in their daily operations. As part of the electronic segment of record keeping, the Public Works department currently utilizes a GIS (Geographic Information System) for some of this record keeping. The Community Development, Police and Fire departments also use this system, which is powered by Esri. Esri is an international supplier of GIS software that has the ability to produce various maps. Inside those maps are various layers of information, that can be turned on, and off, depending upon the information needed.

The information that is currently within the villages GIS include the following items, which for this purpose, is an *abbreviated* list:

- Village Data - includes such items as paths, planned and existing sidewalks, TID's, boundaries and zoning
- Other Village infrastructure - signs, plow routes, street trees, pavement ratings
- Water system - hydrants, valves, water mains, water main breaks, water laterals, estimated fire flow calculations, well head protection areas, wells and towers
- Sanitary sewer system - sewer mains, manholes, televising and cleaning maps, spot repairs, wet wells and pumping stations
- Storm sewer system - mains, manholes, intakes, outfalls and ponds
- Village electric - various boxes, poles and wire



- Non village utilities - City of Madison water mains, City of Madison storm and sanitary sewer mains and Madison Metropolitan Sewerage District utilities

All village staff can access the above information from various means thru desktop computers, phones (with the correct app), Surfaces and I Pads. Public works staff have at their disposal, two laptops, two iPads and two mobile hotspots for the capability to work in the field.

The village also manages their water meters with a product called Mass Unit Manager or MUM for short, which is a product of Caselle, our billing software. Within this program, water meter history is recorded. Such information includes purchase date, test date and applicable results, in service dates, location(s), cost and retirement dates.

The utilities SCADA (Supervisory Control and Data Acquisition) software watches over the daily operations of the water and sewer utilities while keeping and archiving historical history of their operations. Within the SCADA software, one can track various maintenance activities that have been performed on the pumping equipment along with other items.

Equipment and vehicle maintenance is recorded under Fire House software, which is a records management software used by the fire department. All village owned motor vehicles and some equipment are under this program umbrella.

What is currently out on the market?

There is plethora of asset management programs in today's market. You can get asset management software that will do almost anything you want. There is software for inventory, various usages, location(s), depreciation, IT items, work flows history and an array of anything you can imagine.

Some of the major companies that have products available include:

- Autodesk
- ESRI
- NAMS+
- Hexagon
- MDS
- ElementsXS
- Pitney Bowes
- SuperMap
- CarteGraph

There is an almost endless list of companies that provide services to fit ones needs.

What others in the area have and use

A brief survey of various cities and villages within Dane County along with the Dane County Highway Department and the Madison Metropolitan Sewerage District (MMSD) found that most entities use their GIS as the base for their asset management needs.

MMSD

The district currently uses an older system powered by Oracle and they will be going away from



that system. They are transitioning to a GIS map based system where their infrastructure is listed in/on various layers. Within those layers, MMSD lists the year the infrastructure was installed along with a rating system that identifies strengths and weaknesses by assigning everything a point value.

Dane County Highway Department

The highway department uses a variety of management systems. They have a system for signs another system for culverts and so forth.

City of Fitchburg

Fitchburg uses GIS for almost everything. They still use some Excel files for detailed well maintenance record keeping. They also have a separate software for meters, but that system is not user friendly.

City of Madison

Speaking with the GIS specialist, they use a large software called Cityworks and almost all departments are hooked into the system. They track everything and anything, if they can.

City of Middleton

The City of Middleton uses their GIS in a limited fashion. Vehicle maintenance records are stored on another type of software.

City of Monona

The City of Monona uses in house GIS with some outside help from an engineering firm.

City of Stoughton

Stoughton uses GIS based software for their trees, storm water and PASER ratings. They have a separate software for their fleet and another for their cemeteries.

City of Sun Prairie

The City of Sun Prairie uses a GIS map based approach.

City of Verona

GIS is currently in use at Verona and is managed by an engineering firm. It took Verona 3+ years to get the platform up and going. Diggers Hotline is also hooked in for locates through another program.

Village of Belleville

Belleville uses paper records and folders along with electronic reporting of DNR information.

Village of Cottage Grove

The village currently does not have anything. They are in the very preliminary stages of starting to use GIS and hope to incorporate their assets into the program.

Village of Cross Plains

The Village of Cross Plains is starting to use GIS and they also rely on their auditors. They are a customer of Town & Country Engineering.

Village of Deerfield

The Village of Deerfield use GIS for the mapping of streets and water and sewer lines. They are a customer of Town & Country Engineering.

Village of Waunakee

The Village of Waunakee utilizes GIS for minimal tracking. They started using GIS for tree inventory and trimming while the utility uses it for watermain and storm water.

FINANCIAL/BUDGET IMPACT:



VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

None


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, February 16, 2021

SECTION: Business

DEPARTMENT: Public Works

CONTACT:

AGENDA ITEM: Presentation of the Public Works Monthly report

PREVIOUS ACTION:

ISSUE SUMMARY:

FINANCIAL/BUDGET IMPACT:

VILLAGE PLAN REFERENCE:

ORDINANCE REFERENCE:

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

ATTACHMENTS:

1. January 2021 Public Works Directors report (002)

PUBLIC WORKS COMMITTEE

February 16, 2021

PUBLIC UTILITIES COMMITTEE

February 16, 2021

Joint Meeting

**Public Works Directors Report
for
January 2021**

The following is information concerning events and activities of the Public Works Department along with the Water and Sewer Utilities for the previous month. This information is provided in brief to provide an overview of the highlights.

PW Complex

Staff moved back into the facility. The solar panels are now installed and need to be authorized by the power company in order to be put into service. Working on a small concrete issue in the mechanics shop.

Watermain Break

The department handled a watermain break on Scott Street on January 7.

Compost Drop Off Site

Christmas tree drop off ended on January 17 and the site is now closed until spring.

Tree Trimming

The department has started trimming various trees around the village and will do so as time and labor allows.

Snow

Staff worked snowfall events on:

- January 1, received between 1-2 inches of snow.
- January 14/15, received between 1-2 inches of snow, fast moving storm.
- January 26, received between 6-8 inches of snow.
- January 31, received between 6-8 inches of snow.

Meetings/Training/Seminars

All meetings were held by electronic means this month. Those meetings include:

- APWA monthly board meeting - Igl & Hessling
- APWA Webinar - Winter Equipment - Igl
- APWA Webinar - Small Cities/Rural Communities Perspective on Asset Management - Igl & Hessling
- APWA Webinar - Climate Change Impacts - Igl
- LIDAR Mapping - Igl
- Take Your Department of Public Works Digital - Irwin & Hessling
- APWA Webinar - International Perspectives and the Value of Asset Mgmt. - Hessling
- MAMSWaP meeting - Hessling

2021 WATER SYSTEM IMPACT FEES

Collected in Month	2021 Fees	2020 Fees	2021 Impact Fee Distribution		
			Tower	Main	Well
January	-	1,950.00	-	-	-
February	-	4,550.00	-	-	-
March	-	4,550.00	-	-	-
1st Quarter Total	-	11,050.00	-	-	-
April	-	10,402.00	-	-	-
May	-	1,950.00	-	-	-
June	-	3,250.00	-	-	-
2nd Quarter Total	-	15,602.00	-	-	-
July	-	3,900.00	-	-	-
August	-	2,600.00	-	-	-
September	-	1,950.00	-	-	-
3rd Quarter Total	-	8,450.00	-	-	-
October	-	1,950.00	-	-	-
November	-	9,101.00	-	-	-
December	-	18,701.16	-	-	-
4th Quarter Total	-	29,752.16	-	-	-

HISTORICAL WATER IMPACT FEE TOTALS

2021 Total	-	-	-	-	-
2020 Total	64,854.16	-	38,222.36	10,020.80	16,611.00
2019 Total	57,201.00	-	32,250.79	9,152.16	15,798.05
2018 Total	71,501.00	-	40,313.34	11,440.16	19,747.50
2017 Total	60,801.20	-	34,281.17	9,728.00	16,792.03
2016 Total	38,026.00	-	23,708.24	5,252.00	9,065.76
2015 Total	5,851.00	-	3,298.92	936.00	1,616.08
2014 Total	7,150.00	-	4,031.28	1,144.00	1,974.72
2013 Total	21,125.00	-	11,910.59	3,380.00	5,834.41
2012 Total	13,650.00	-	7,696.08	2,184.00	3,769.92
2011 Total	12,350.00	-	6,963.12	1,976.00	3,410.88
2010 Total	5,200.00	-	2,931.84	832.00	1,436.16
2009 Total	7,150.00	-	4,031.26	1,144.00	1,974.74
2008 Total	10,400.00	-	5,863.62	1,664.00	2,872.38
2007 Total	34,451.00	-	19,423.88	5,512.16	9,514.96
2006 Total	28,927.00	-	16,309.33	4,628.32	7,989.35
2005 Total	52,326.00	-	29,501.92	8,372.16	14,451.92
2004 Total	77,679.00	-	43,796.20	12,428.64	21,454.16
2003 Total	59,802.00	-	33,716.97	9,568.32	16,516.71
2002 Total	69,625.00	-	39,255.27	11,140.00	19,229.73
2001 Total	55,271.50	-	31,162.62	8,843.44	15,265.44
2000 Total	56,701.00	-	31,968.59	9,072.16	15,660.25
1999 Total	55,388.00	-	31,228.31	8,862.08	15,297.61
1998 Total	14,581.73	-	8,221.33	2,333.08	4,027.32
Grand Total	\$ 815,157.43	\$ -	\$ 461,864.67	\$ 129,592.68	\$ 223,700.08

\$650=	\$366.48	\$104.00	\$179.52
\$1300	\$732.96	\$208.00	\$359.04

Tower= .56381, Main=.16, Well=.27619