

**Public Utilities Committee**

**Tuesday, December 21, 2021**

**6:00 PM**

**McFarland Municipal Center**  
*Community 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/89038221351>

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

Webinar ID: 890 3822 1351

Press \*9 to raise/lower hand | Press \*6 to mute/unmute

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
  - a. This is an opportunity for members of the public to address the Public Utilities Committee. 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](mailto:aimee.irwin@mcfarland.wi.us) to be included as part of the meeting.
3. APPROVAL OF MINUTES.
  - a. Discussion and action regarding the minutes from the Public Utilities meeting held on October 19, 2021.
  - b. Discussion and action regarding the minutes from the joint meeting of Public Works and Public Utilities Committees held on November 9, 2021.
4. BUSINESS.
  - a. Discussion and action to make a recommendation to the Village Board regarding the 2022 Terminal Drive Street and Utility Improvements project and authorize for bid.
  - b. Discussion and action to make a recommendation to the Village Board regarding the 2022 Street and Utility Improvements project and authorize for bid.
  - c. Discussion and action to make a recommendation to the Village Board regarding 2022 Storm Sewer Improvements project and authorize for bid.

- d. Discussion and action to make a recommendation to the Village Board regarding the issuance of a Request for Proposal (RFP) for meter replacement installation services.
  - e. Discussion and action to make a recommendation to the Village Board regarding the issuance of a Request for Proposals (RFP) for Forcemain locating services.
  - f. Discussion and action to make a recommendation to the Village Board regarding a proposal to conduct maintenance at Well #1.
  - g. Presentation of the Public Works Director's monthly report.
5. SCHEDULE NEXT MEETING DATE.
- a. Tuesday, January 18, 2021 at 6:00 p.m.
6. 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](mailto:cassandra.suettinger@mcfarland.wi.us)

VILLAGE OF MCFARLAND  
**Public Utilities Committee Minutes**

*Tuesday, October 19, 2021 - 6:00 PM*

**1. CALL TO ORDER, ROLL CALL.**

Village trustee Ed Wreh called the regular meeting of the Public Utilities Committee to order at 6:03 PM in the Municipal Center Community Room. This meeting was held via Zoom webinar.

Members present: Marc Nielsen, Carrie Nelson, Edward Wreh, Eric Kryzenske

Members not present: Chris Fredrick, Pauline Boness

Staff Present: Village Administrator Matt Schuenke, Director of Public Works Jim Hessling, Streets and Utilities Superintendent Lee Igl, Assistant to the Public Works Director Aimee Irwin, Twon & Country Engineering staff Brian Berquist and Tim Stieve.

**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](mailto:aimee.irwin@mcfarland.wi.us) to be included as part of the meeting.*

None.

**3. APPROVAL OF MINUTES.**

- a. *Discussion and action regarding the minutes from the Public Utilities meeting held on September 21, 2021.*

Motion by Village Trustee Edward Wreh, second by Village Trustee Carrie Nelson, to approve the minutes from the Public Utilities meeting held on September 21, 2021.

Motion carries 3 - 0 - 1 by acclamation, with Marc Nielsen abstaining.

**4. BUSINESS.**

- a. *Discussion and action to make a recommendation to the Village Board regarding the 2022 Budget for the Utilities Fund (600).*

Matt Schuenke reviewed the provided Utilities Fund budget for 2022. Public charges for services are the bulk of the revenue for both the water and sewer utilities. The sewer utility enacted a rate increase in late 2020 which allows for a full year of data in 2021 at the new rates. Schuenke stated that a rate increase for sewer is likely after comparing the sewer revenue to expenses. The increase in sewer expense is driven by the increase in

expenses for Madison Metropolitan Sewerage District (MMSD). Schuenke stated that water revenues include the newly enacted rate increase and 2022 will be a full year at the new rates. Following the review of the revenue, Schuenke reviewed the expenses for water and sewer.

- Marc Nielsen asked if the village had received the annual letter from MMSD regarding 2022 rates. Schuenke responded that the letter had not been received but was expected in the next month.
- Nielsen inquired if the village had looked into utilizing funds from the American Rescue Plan Act for projects scheduled for 2022. Schuenke stated that these funds had not specifically been looked at but could be.
- Eric Kryzenske asked why the miscellaneous expense account is budgeted to be less in 2022. Schuenke stated that the funds budgeted are not being utilized.

Motion by Village Trustee Edward Wreh, seconded by Eric Kryzenske, to recommend approval to the Village Board regarding the 2022 Budget for the Utilities Fund (600). Motion carries 4 - 0 - 0 by acclamation.

b. Discussion and action to make a recommendation to the Village Board regarding the 2022 Budget for the Stormwater Utility Fund (605).

Schuenke reviewed the provided Stormwater Utility Fund budget for 2022. Revenue for this fund is mostly derived from stormwater unit charges for all properties within the village.

- Ed Wreh and Marc Nielsen asked for an explanation of the expense account labeled as rent. Schuenke explained that each utility pays rent to the village. An example would be the buildings utilized by the utilities.

Motion by Village Trustee Edward Wreh, seconded by Marc Nielsen, to recommend approval to the Village Board regarding the 2022 Budget for the Stormwater Utility Fund (605). Motion carries 4 - 0 - 0 by acclamation.

c. Discussion regarding funding allocation to the utilities funds associated with street project.

Marc Nielsen presented his thesis that water rates are regressive compared to the property tax. Nielsen stated that assigning 50% of the paving costs to the water utility, can impact those individuals who have less ability to pay, who have less efficient appliances and the stormwater charge may not be fairly distributed for the varying amount of impervious surface on a property.

Brian Berquist summarized his background with other Wisconsin municipalities and stated that allocation varies greatly throughout municipalities.

Committee members discussed questions from Marc Nielsen that were responded to by Village Staff and Engineer. Committee members recommended continued discussion on this topic at a future meeting.

- d. Discussion regarding the board, commission, and committee restructuring project.  
Ed Wreh provided background regarding the restructuring process that is occurring related to board, commission and committee structure. Included within the packet were comments provided by Marc Nielsen regarding his feedback related to this process. Committee members discussed the feedback provided and had additional discussion related to this process. The Committee of the Whole held their first review on October 11th and will continue their review at their next meeting on October 25th. Wreh provided that if committee members wish to provide additional feedback, they can send feedback to Matt Schuenke.
- e. Presentation of the Public Works Director's monthly report  
Jim Hessling presented the monthly Public Works report for the month of September and asked if there were any questions.
- Ed Wreh asked for the costs and impact of the water main break on Badger Street that occurred in September. Hessling stated that an estimate of the costs could be gathered.

**5. SCHEDULE NEXT MEETING DATE.**

- a. Joint meeting with Public Works on Tuesday, November 9, 2021 at 6:00 p.m.

**6. ADJOURNMENT.**

Motion by Village Trustee Edward Wreh, seconded by Village Trustee Carrie Nelson, to adjourn at 7:51 p.m. Motion passes 4-0-0.

Respectfully submitted,  
Aimee Irwin  
Assistant to the Public Works Director

VILLAGE OF MCFARLAND

**Joint Public Works and Public Utilities Committees Minutes**

*Tuesday, November 9, 2021 - 6:00 PM*

**1. CALL TO ORDER, ROLL CALL.**

Ed Wreh called the joint meeting of the Public Works and Public Utilities Committees to order at 6:00 PM in the Municipal Center Community Room. This meeting was held via Zoom webinar.

Members present: Ed Wreh, Chris Fredrick, Marv Meyers, Jerry Adrian, Justin Rupert, Chris St. Clair, Carrie Nelson, Pauline Boness, Marc Nielsen, Eric Kryzenske

Members not present: Peter Robinson

Staff Present: Village Administrator Matt Schuenke, Director of Public Works Jim Hessling, Streets and Utilities Superintendent Lee Igl, Assistant to the Public Works Director Aimee Irwin, Town and Country staff Brian Berquist and Tim Stieve.

**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](mailto:aimee.irwin@mcfarland.wi.us) to be included as part of the meeting.*

None.

**3. BUSINESS.**

- a. *Public Information Meeting regarding Exchange Street project.*  
Brian Berquist of Town and Country Engineering provided a brief overview of the Exchange Street project including funding information, the construction year of 2024 and that the construction will take the duration of the construction season from spring to fall. Tim Stieve explained that the project is a full reconstruction of Exchange Street from Sleepy Hollow Dr to Farwell St. The construction will include street and utility improvements. Stieve presented the exhibit on Exchange Street with minor changes from the previous public information meeting held in February 2021.
- Chris Fredrick asked what the current street width is of Exchange Street. Tim Stieve responded that the current width is approximately four feet skinnier than what is being presented.
  - Ed Wreh asked what has been researched in relation to construction for safety and mitigating risk. Stieve responded that reports were obtained from the police

department related to traffic incidents that have occurred and reviewed if possible improvements could mitigate future traffic incidents.

Resident Ann Ford, 6012 Exchange Street, addressed the committee related to her questions and concerns. Ann asked if a terrace area would be required. Tim Stieve responded that the terrace area provides pedestrian safety, adds esthetics and allows for snow storage. Ann stated that the current drawings would impede the ability to allow certain sized vehicles to park in her driveway. Ann asked if parking would be allowed on the other side of the street from her property along with mail delivery on her side. Stieve responded that parking would remain unchanged near this location. Berquist stated that mail delivery box placement would be at the discretion of the postmaster.

- Ed Wreh asked if there was anything that could be done to address Ann's concerns. Stieve responded that the area could be evaluated for possible alternatives or adjustments. Berquist said that it would be possible to review the length of the left turn lane near this location.
- Chris Fredrick asked what the project limits are related to the southend of the project near Sleepy Hollow Rd. Stieve responded that project limits are stopped slightly short of the bridge closer to Sleepy Hollow.

Residents Lee Ann Crye & Joel Crye, 6428 Exchange Street, addressed the committee related to their questions and concerns. The residents at this location asked for clarification related to the depicted right-of-way lines near their property. Stieve responded that the lines shown on the current drawings are in need of further evaluation to determine an accurate location. Joel expressed his concern related to his driveway and vehicles that could overhang the future sidewalk area. Joel shared that the sidewalk area adjacent to his property may require a retaining wall. Stieve agreed with Joel's statement regarding the sidewalk and possible retaining wall.

Town and Country staff along with village staff will continue to evaluate options related to properties that have shorter driveways for possible adjustments, including cycling and traffic evaluation.

b. Discussion and action to make a recommendation to the Village Board regarding Ordinance #2021-11: an ordinance to amend the zoning code and related code provisions regarding the requirements for a vision triangle at corner lots.

Matt Schuenke provided background related to the presented Ordinance #2021-11. The reason for the amendment is to clean up ordinance language due to ambiguity that currently exists by providing a better process for designing and measuring a vision triangle.

- Pauline Boness asked if Town and Country Engineering was consulted related to the possible revisions. Schuenke responded that Town and Country was consulted and provided their input. Boness recommended utilizing the statement *edge of asphalt* in place of *or its equivalent* throughout the ordinance language.

Schuenke reviewed a resident's comments received via email that was sent to committee members prior to the meeting.

- Chris Fredrick asked if power poles or pedestals would not be allowed within the vision triangle area with the presented amendments. Schuenke responded that these items would be covered under government utilities and would be permitted. Fredrick asked if this ordinance would be enforced on private property within the vision triangle. Schuenke responded that it could be enforced.
- Ed Wreh asked what the catalyst was for these changes. Schuenke responded that a situation occurred in which staff wanted to apply the code. However, a few interpretations by staff and property owners occurred. Due to the various interpretations, staff felt it would be helpful to clear up the ordinance language.
- Jerry Adrian asked if this would apply to all properties, including commercial locations and signs. Schuenke stated this would apply to all properties within the Village.

Motion by Village Trustee Ed Wreh, seconded by Village Trustee Justin Rupert, to recommend approval to the Village Board regarding Ordinance #2021-11: an ordinance to amend the zoning code and related code provisions regarding the requirements for a vision triangle at corner lots with edits recommended by committee members. Motion carries 9 - 0 - 1 with Marc Nielsen abstaining.

c. Discussion and action to make a recommendation to the Village Board regarding the 2022 Sidewalk Replacement project and authorize for bid.

Lee Igl provided background related to the 2022 Sidewalk Replacement project. Igl stated that staff attempted to obtain a contractor in 2021 to complete sidewalk replacement but were unsuccessful. In response, all sidewalk locations in need of replacement were inventoried and identified using GPS. The maps included within the packet identify all of the locations gathered. Igl provided the plan which is to set this project for bid in December and award in January.

- Ed Wreh asked if this project would be funded through capital projects in 2022. Igl stated funding for this project is included within basic maintenance in 2022.
- Chris Fredrick asked if the plan would be to bid for all three zones. Igl responded that the bid will focus on Zone 1 and, if applicable, possible contract extensions for Zone 2 and 3. Fredrick also commented that several locations were identified on Exchange Street and inquired if those could wait until the Exchange Street project would occur. Igl stated the locations on Exchange Street would be re-evaluated and adjusted if necessary. Fredrick asked if replacements within Zone 2 related to a new subdivision were taken back to the developer prior to being replaced by the Village. Igl responded that some locations identified are being worked on with the goal that developers will repair.

Motion by Village Trustee Justin Rupert, seconded by Ed Wreh, to recommend approval to the Village Board regarding the 2022 Sidewalk Replacement project and authorize the

project for bid. Motion carries 8 - 0 - 2 with Marc Nielsen and Eric Kryzenske abstaining.

d. Presentation of the Public Works Director's monthly report.

Jim Hessling presented the Public Works Director's monthly report for October.

**4. SCHEDULE NEXT MEETING DATE.**

a. Public Works: Tuesday, December 14, 2021 at 6:00 p.m.

Public Utilities: Tuesday, December 21, 2021 at 6:00 p.m.

**5. ADJOURNMENT.**

Motion by Village Trustee Ed Wreh, seconded by Village Trustee Justin Rupert, to adjourn at 7:58 p.m.

Pursuant to law, written notice of this meeting was given to the public and posted on the public bulletin boards in accordance with Open Meetings Law.

Respectfully submitted,  
Aimee Irwin  
Assistant to the Public Works Director

  
**VILLAGE OF**  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 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 2022 Terminal Drive Street and Utility Improvements project and authorize for bid.

**PREVIOUS ACTION:**

None.

**ISSUE SUMMARY:**

The physical limits of this project will be from Siggelkow Road to lift station #4 for a length of 1,715 feet. The work involved will turn this section of roadway from a rural section into an urban section. Curb and gutter, sidewalk and pedestrian path and new pavement will be incorporated into the project. Funds for this work will come from TID #3.

**FINANCIAL/BUDGET IMPACT:**

Enclosed within the packet is the cost estimate provided by the engineer. The overall project budget for the street improvement project is estimated at \$1,219,641.

**VILLAGE PLAN REFERENCE:**

Long Range CIP 12.10.2021

**ORDINANCE REFERENCE:**

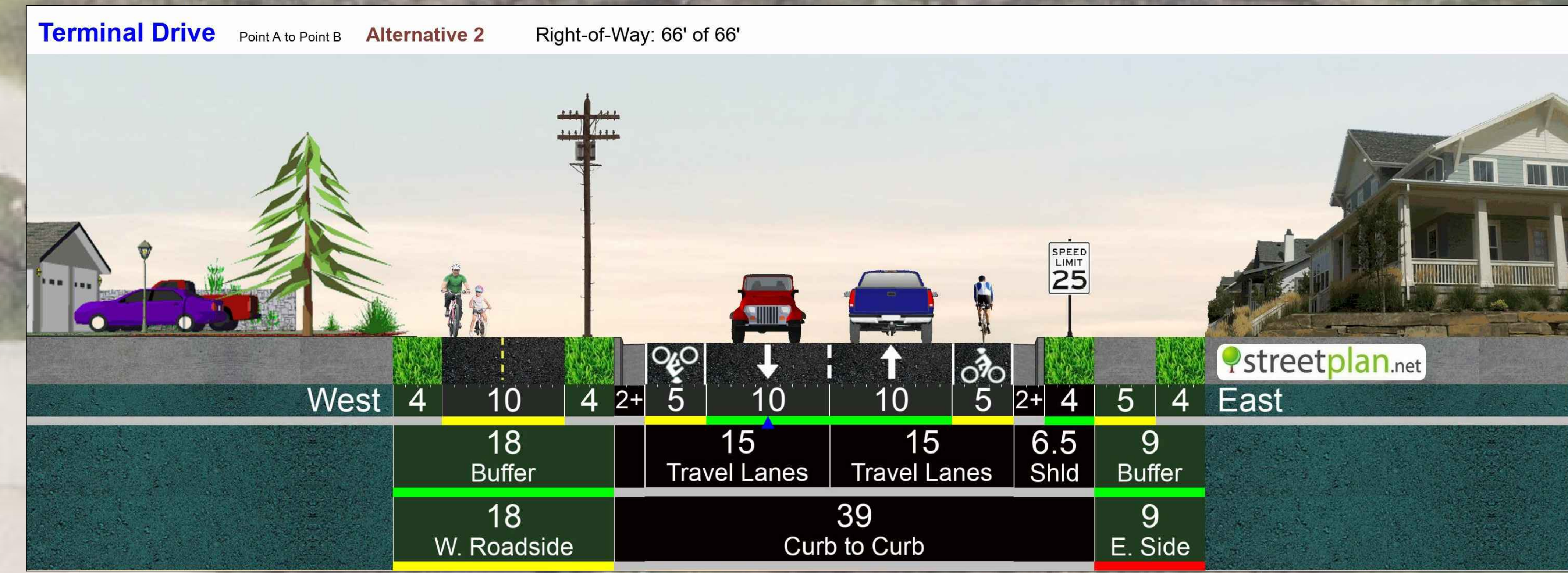
None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

Recommend approval to the Village Board to accept the final design and authorize the project for bidding.

**ATTACHMENTS:**

1. TERMINAL-Roll
2. Terminal Drive- Southern Phase Estimate
3. Long Range CIP- 12.10.2021



TEMPORARY BENCHMARK TABLE

TEM	ELEV.	DESCRIPTION
79	827.97	SW TAG BOLT ON HYDRANT
802	885.80	CHISELED 'X' IN DRIVE HSE #4816
803	873.93	PK NAIL SET IN APRON OF HSE # 4810

TEMPORARY BENCHMARK TABLE

TEM	ELEV.	DESCRIPTION
37	861.40	SW TAG BOLT ON HYDRANT
805	861.86	CHISELED 'X' ON SE CORNER OF LIFE STATION #4



TEMPORARY BENCHMARK TABLE

TEM	ELEV.	DESCRIPTION
800	868.77	NE TAG BOLT ON HYDRANT CHISELED 'X' IN DRIVE SW QUADRANT OF TERMINAL & SIGELKOW
801	881.15	PK

Negative pitch terrace and sidewalk  
Grading Limits Line with blend at 4:1

Grading Limits Line with blend at 4:1

Existing ditch must be maintained

Negative pitch terrace and path

Retaining wall required

Grading Limits Line with blend at 4:1

Retaining wall potentially required

Negative pitch terrace and sidewalk

Grading Limits Line with blend at 4:1

**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:  
DATE OF ESTIMATE:

Village of McFarland
<b>Terminal Drive</b>
<b>Siggelkow Road to Lift Station #4</b>
April 30, 2021

**PHYSICAL ASSUMPTIONS**

Length of Street, Feet:	1850
Radii @ Intersections	20
Number of Radii	2
Number of Side Streets	1
Existing Curb & Gutter Removal, Lineal Feet	60
Curb & Gutter Length, Feet:	3700
Curb Face-to-Curb Face Width, Feet:	44
Width of Curb, Inches:	30
Number of Valley Gutters:	0
Existing Conc. Pavement Removal, Sq. Feet	40700
Amount of New 5" Concrete Sidewalk, Sq. Ft.	18500
Base Course Depth Under 5" Sidewalk, Inches	6
Amount of New 5" Concrete Sidewalk, Sq. Ft.	1800
Base Course Depth Under 5" Sidewalk, Inches	6
Average Bad Subbase Undercut Depth, Inches	3
Breaker Run Depth, Inches:	12
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches:	3
Asphalt Surface Course Thickness, Inches:	2
2" Asphalt Driveway or Parking Area, Sq. Yds	400
Base Course Depth Under Parking Area, Inches	12
Width of Topsoiling, Each Side, Feet:	15
Manholes to Be Adjusted	0
Sawcutting Length, Feet:	416
Base Course Safety Factor:	1.1
Asphalt Safety Factor:	1.1

**COST ASSUMPTIONS**

Curb Cost, Per Lineal Foot:	\$18.00
Existing Curb Removal Cost, Per Lin. Ft.	\$5.00
Valley Gutter Cost, Per Each	\$2,500.00
5" Sidewalk Cost, Per Sq. Ft.:	\$5.50
5" Sidewalk Cost, Per Sq. Ft.:	\$6.50
Excavation to Subbase Cost, Per Cu. Yd.	\$16.50
Ex. Conc. Pvmt Removal Cost, Per Sq. Ft.	\$2.00
Bad Subbase Excavation Cost, Per Cu. Yd.	\$16.50
Bad Subbase Replac. Br. Run Cost, Per Ton	\$16.00
Breaker Run Cost, Per Ton:	\$16.00
3/4" Crushed Aggregate Cost, Per Ton	\$16.00
Asphalt Binder Course Cost, Per Ton	\$80.00
Clean & Tack Cost, Per Sq. Yd.:	\$0.50
Asphalt Surface Course Cost, Per Ton:	\$85.00
Parking Lot Pavement Cost, Per Sq. Yd	\$22.00
Topsoil Restoration Cost, Per Sq. Yd.	\$3.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.:	\$3.00
Manhole Adjustment Cost, Each:	\$250.00
Sawcutting Cost, Per Lineal Foot:	\$2.00
Erosion Control Allowance, Lump Sum:	\$1,500.00
Traffic Control Allowance, Lump Sum:	\$500.00

**CALCULATIONS:**

Pavement Width, Feet:	40
3/4 " Cr. Aggr. Depth Beneath Curb, Inches:	4
Effective Depth of Crown, Inches:	2.4
Street Cr. Aggregate & Excavation Area, Sq. Ft	88152
Street Pavement Area, Square Feet	75008
Street Pavement Area, Square Yards	8334.22222

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$45,730.80 l.s.	\$45,731
Removal & Disposal of Existing Curb & Gutter	60 l.f.	\$5.00 /l.f.	\$300
Removal & Disposal of Existing Conc. Pvmt	40700 s.f.	\$2.00 s.f.	\$81,400
Excavation to Subbase	7066 c.y.	\$16.50 /c.y.	\$116,589
Excavation of Bad Materials Below Subbas	816 c.y.	\$16.50 /c.y.	\$13,464
3" Breaker Run Replacement of Bad Subbase	1636 tons	\$16.00 /ton	\$26,176
3" Breaker Run Base Course	6545 tons	\$16.00 /ton	\$104,720
3/4" Crushed Aggregate Base Course	7101 tons	\$16.00 /ton	\$113,616
Manhole Adjustments	0 ea.	\$250.00 /ea.	\$0
Sawcutting	416 l.f.	\$2.00 /l.f.	\$832
Concrete Curb & Gutter	3700 l.f.	\$18.00 /l.f.	\$66,600
Valley Gutter at Intersections	0 ea.	\$2,500.00 /ea.	\$0
4" Thick Concrete Sidewalk	18500 s.f.	\$5.50 /s.f.	\$101,750
6" Thick Concrete Sidewalk	1800 s.f.	\$6.50 /s.f.	\$11,700
Asphalt Lower Course	1650 tons	\$80.00 /ton	\$132,000
Clean & Tack	8334 s.y.	\$0.50 /s.y.	\$4,167
Asphalt Surface Course	1100 tons	\$85.00 /ton	\$93,500
Asphalt Driveway Replacements	400 s.y.	\$22.00 /s.y.	\$8,800
Topsoil Restorator	6167 s.y.	\$3.00 /s.y.	\$18,501
Seeding, Fertilizing & Mulching	6167 s.y.	\$3.00 /s.y.	\$18,501
Erosion Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Control	1 l.s.	\$500.00 l.s.	\$500
<b>CONSTRUCTION SUBTOTAL</b>			<b>\$960,347</b>
Engineering/Const. Admin.	@ 13 %		\$124,845
Resident Inspection	@ 4 %		\$38,413.88
Contingency	@ 10 %		\$96,035
<b>TOTAL</b>			<b>\$1,219,641</b>

\$1,557,721  
\$338,080

Southern Storm Sewer

CLIENT NAME:  
PROJECT NAME:  
  
DATE OF ESTIMATE:

Village of McFarland
Terminal Drive
Siggelkow Road to Lift Station #4
April 30, 2021

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
12" Dia. Class V RCP Storm Sewer	240 lin. ft.	\$47.00 /lin. ft.	\$11,280
15" Dia. Class IV RCP Storm Sewer	lin. ft.	\$50.00 /lin. ft.	\$0
18" Dia. Class III RCP Storm Sewer	lin. ft.	\$55.00 /lin. ft.	\$0
24" Dia. Class III RCP Storm Sewer	700 lin. ft.	\$58.00 /lin. ft.	\$40,600
Street Inlets, Including Castings	12 each	\$1,725.00 each	\$20,700
Storm Sewer Manhole, Including Castings	3 each	\$2,100.00 each	\$6,300
Sump Storm MHs, Including Castings	8 each	\$3,600.00 each	\$28,800
Area Inlets, Including Castings	2 each	\$1,400.00 each	\$2,800
12" RCP Apron Endwalls	0 each	\$1,200.00 each	\$0
15" RCP Apron Endwalls, With Grates	0 each	\$1,500.00 each	\$0
18" RCP Apron Endwalls, With Grates	0 each	\$1,800.00 each	\$0
24" RCP Apron Endwalls, With Grates	1 each	\$2,500.00 each	\$2,500
Topsoil Restoration, Seeding, Fertilizing & Mulching Allowance	0 sq. yd.	\$4.50 /sq. yd.	\$0
Other Erosion Control	1 lump sum	\$2,500.00 lump sum	\$2,500

**CONSTRUCTION SUBTOTAL**

		\$115,480
Basic Design Eng. & Const. Admin.	@ 13 %	\$15,012
Resident Inspection	@ 4 %	\$4,619
Contingency	@ 10 %	\$11,548
<b>TOTAL</b>		<b>\$146,660</b>

Southern Sewer

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
Terminal Drive
Siggelkow Road to Lift Station #4
30-Apr-21

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Pipeline Subject to Dewatering, Feet:	600
Pipeline Subject to Rock Excavation, Feet:	
Expected Average Depth of Rock, Feet:	
Pipeline Subject to Pavement Restoration, Feet:	600
Depth of Pipeline, Feet:	11
Pipeline Subject to Grass Restoration, Feet:	0
Crushed Aggregate Restoration Thickness, Inches:	4
Asphalt Pavement Restoration Thickness, Inches:	0
Average Pavement Width Left of Sewer, Feet:	9
Average Pavement Width Right of Sewer, Feet:	9
Average Grass Width Left of Sewer, Feet:	0
Average Grass Width Right of Sewer, Feet:	0
Assumed Trench Sideslope, Vert. to Horiz., ___ to 1:	1.5

**COST ASSUMPTIONS FOR CALCULATIONS:**

Crushed Aggregate Cost, Per Ton:	\$9.00
Asphalt Pavement Cost, Per Ton:	\$50.00

\*\*Assumes that utility work is done concurrently with street work (no mobilization cost, only temp. gravel restoration above trench)

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization/Demobilization	1 lump sum		lump sum \$0
8" Dia. PVC Sanitary Sewer, Basic Cost	600 lin. ft.	\$95	/lin. ft. \$57,000
Directional Drill under creek	100 lin. ft.	\$150	/lin. ft. \$15,000
4" PVC force main	0 lin. ft.	\$60	/lin. ft. \$0
Sanitary Manhole Castings	5 each	\$500	each \$2,500
Sanitary Manhole Masonry	55 vert. ft.	\$425	/vert. ft. \$23,375
4" Sanitary Wyes	10 each	\$350	each \$3,500
4" Risers	7.5 vert. ft.	\$80	/vert. ft. \$600
4" PVC Sanitary Service Laterals	400 lin. ft.	\$80	/lin. ft. \$32,000
Tracer Wire Assembly	10 each	\$275	each \$2,750
Service Lateral Reconnections	10 each	\$800	each \$8,000
Tree & Other Obstacle Removal	1 lump sum	\$2,500	lump sum \$2,500
Dewatering Allowance	600 lin. ft.		/lin. ft. \$0
Pavement Restoration Allowance	600 lin. ft.	\$3	/lin. ft. \$1,800
Topsoil Restoration, Seeding, Fertilizing & Mulching Allowance	0 sq. yd.	\$4.5	/sq. yd. \$0
Allowance for Pulling Trench Box	600 lin. ft.	\$2	/lin. ft. \$1,200
Other Erosion Control	1 l.s.	\$500	l.s. \$500

**CONSTRUCTION SUBTOTAL**

			\$150,725
Basic Design Eng. & Const. Admin.	@ 13 %		\$19,594
Resident Inspection	@ 4 %		\$6,029
Contingency	@ 10 %		\$15,073
<b>TOTAL PROJECT COSTS</b>			<b>\$191,421</b>

Village of McFarland  
 Conceptual Project List in Approximate Priority Order  
 Long Range ROW Infrastructure Improvements Plan  
 12/10/2021

- Notes:  
 1. Pavement scores are WISLR output. The Village will almost certainly want/need to adjust this to accommodate other priorities.  
 2. WISLR does not do "first worst" ordering, but takes into account many other factors. (0-10 rating, 10 = new)  
 3. WISLR Model makes broad assumptions about curb repair and driveway aprons, nor does it factor in sidewalks or any underground needs.  
 4. Costs shown assumed entire scope described, and will need adjustment if scope is changed.  
 5. This list includes projects funded by TID/TIF sources.  
 6. This list assumes an approximate annual general fund expenditure of \$500,000.  
 7. PR= Pavement Rehabilitation, SSR= Storm Sewer Rehabilitation, PUR= Pavement and Utility Rehabilitation, WR= Water Main Replacement, W= New Watermain, RC= Rural Conversion  
 8. Project costs assume that 50% of street replacement costs for projects that include water main replacement will be funded by the Water Utility.  
 9. Project costs assume 25% curb replacement.

- Project Point Scoring System**  
 10. 0= Rating above 6, 1= Rating 5 or 6, 2= Rating of 4, 3= Rating 3 or lower  
 11. 1= Projects with known sewer replacement needs  
 12. 1= Projects with known water replacement needs, water main greater than 50 years old, or main size 6-inches or less  
 13. 1= Projects with known storm sewer issues and needs  
 14. 1= Project with bicycle and pedestrian system needs identified in the Comprehensive Plan.  
 15. A previous iteration of this document was accepted by the Village Board on 08.23.21. This is a living document and as such is continually updated as additional project details become known.

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments			
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non-Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total		
2022	S Terminal Drive	Lift Station 4	Siggelkow Road	1715	32	5	6	RC	\$1,219,700						\$338,100	\$1,557,800	1		1		2			
2022	Osborn Pond	Behind 557x Osborn Drive						SSR					\$75,000		\$75,000	0			1		1			
2022	Terminal Drive	Railroad bridge						SSR					\$35,000		\$35,000	0			1		1			
2022	Hidden Farm Rd	Elvehjem Road	Orchard Hill Park Entrance	785	18	3		RC	\$393,250						\$393,300	3					3	This estimate amount assumes a 36' wide face-face road which would allow for parking on both sides of the road, with room for approximately 60 vehicles. The estimate also includes an 8-foot off-street path.		
2022	Card Ave	Larson Street	Bellevue Ct	1050	10	4		PUR	\$142,200			\$312,100			\$454,300	2		1			3	This estimate assumes the replacement of existing concrete pavement with asphalt.		
2022	Bellevue Ct	Card Ave / Termini	Bremer Rd	211	29	5	6	PUR	\$26,900			\$139,400			\$166,300	1		1			2	This project pairs well with Card Avenue.		
2022	Bremer Road	Lake Edge Rd	Lake Edge Plus 200'	200	29	5	6	PUR	\$14,600			\$84,140			\$98,800	1		1			2	There have been a large number of water main breaks in this area recently.		
2022	Stork Rd	Siggelkow Rd	Termini	2227	18	2	10	PR	\$145,000						\$145,000	3					3	This estimate includes a 2" layer of surface asphalt with minimal base improvements		
<b>Year Total</b>									<b>\$721,950</b>	<b>\$1,219,700</b>	<b>\$0</b>	<b>\$535,640</b>	<b>\$110,000</b>	<b>\$338,100</b>	<b>\$2,925,500</b>									
2023	Triangle Street	Siggelkow Rd plus 2700 feet	Voges	2609	40	6		RC		\$1,075,800				\$233,900	\$1,309,700	1			1	1	3	This estimate amount includes the installation of a new path for the length of the entire project.		
2023	Dale Rd	Lake Edge Rd	USH 51	375	37	5	6	PUR	\$46,400			\$162,200			\$208,600	1		1			2			
2023	Paulson Rd	Termini	Siggelkow Road / Triangle Street	1600	24	3	6	PUR	\$394,600		\$123,500	\$773,800	\$134,300		\$1,426,200	3	1	1	1		6	This project includes a connection at current Termini that would allow for through-traffic.		
2023	Larson St	Erling Ave	Termini	751	28	4	9	PUR	\$113,400			\$188,500			\$301,900	2		1			3			
2023	Ivywood Trl	Terminal Dr	Termini	1170	36	5	6	PR	\$181,500						\$181,500	1					1	This project scope is for pulverize and overlay with some allowance for base repair.		
<b>Year Total</b>									<b>\$735,900</b>	<b>\$1,075,800</b>	<b>\$123,500</b>	<b>\$1,124,500</b>	<b>\$134,300</b>	<b>\$233,900</b>	<b>\$3,427,900</b>									

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments	
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total
2024	Exchange Street	Sleepy Hollow Road	Farwell St				5	PUR	\$1,100,000		\$802,000	\$702,000	\$666,000		\$3,270,000	1	1	1	1	1	5	Partially funded by STP-URBAN grant. Amounts represent Village expenditures. Not included in year total where noted.
2024	N Terminal Drive	Lift Station 4	USH 51	3500	32	5		RC		\$318,100				\$3,333,800	\$3,651,900	1			1		2	
2024	Broadhead Street/CTH MN Phase 4B	North Peninsula Way	CTH AB	1958	36	6		RC	\$290,300		\$617,900	\$273,600		\$1,181,800		1		1	1	3	Partially paid for by Dane County. Amounts represent Village expenditures.	
2024	Glen Rd	Larson St	Lakeview St	850	21	5	6	PUR	\$73,300		\$257,700			\$331,000		1		1		2		
2024	Yahara Dr	USH 51	Rivercrest Dr	581	32	5	7	PR	\$80,100					\$80,100		1			1	2		
2024	Dale St	Badger St	Termini	528	32	5	6	PUR	\$72,800		\$142,700			\$215,500		1		1		2		
2024	Dale St	Badger St	Lexington St	317	19	5	6	PUR	\$27,100		\$137,100			\$164,200		1		1		2		
2024	McFarland Ct	Terminal Dr	Termini	634	32	4	9	PR	\$87,500					\$87,500		2				2		
2024	Bird Song Ct	Morning Dove Dr	Termini	158	32	5	6	PR	\$21,800					\$21,800		1				1		
2024	Black Walnut Dr	Black Walnut Ct / Leanne Ln plus 316 ft	Wild Cherry Ln	106	36	5	6	PR	\$16,500					\$16,500		1				1		
<b>Year Total (Including Exchange Street)</b>									<b>\$1,390,300</b>	<b>\$318,100</b>	<b>\$802,000</b>	<b>\$1,319,900</b>	<b>\$939,600</b>	<b>\$3,333,800</b>	<b>\$8,103,700</b>							
<b>Year Total (Excludes Exchange Street)</b>									<b>\$669,400</b>	<b>\$318,100</b>	<b>\$0</b>	<b>\$1,155,400</b>	<b>\$273,600</b>	<b>\$3,333,800</b>	<b>\$5,750,300</b>							
2025	Marsh Rd	Red Oak Trl / Wellington Cir	Siggelkow Rd	739	44	5	6	PR	\$235,100					\$235,100		1			1	2	This estimate includes concrete pavement replacement at the intersection with Siggelkow	
2025	Marsh Rd	Eighmy Rd	Red Oak Trl / Wellington Cir	2000	42	5	6	PR	\$361,200					\$361,200		1				1		
<b>Year Total</b>									<b>\$596,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$596,300</b>							

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments		
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total	
2026	Lakeview Ave	Bremer Rd	Termini	686	22	3	9	PUR	\$79,900			\$235,300				\$315,200	3	1			4		
2026	South Ct	Burma Rd	Overlook Dr plus 600 ft	1200	18	3	9	PUR	\$145,400			\$330,200				\$475,600	3	1			4		
2026	Larson Beach Rd	Crossover USH 51	Bremer Rd / Lake Edge Rd	422	35	5	6	PR	\$65,800						\$65,800	1					1		
2026	Dale Curtian Rd	USH 51	Termini	600	32	5	6	PR	\$51,000						\$51,000	1					1		
2026	Osborn Dr	Running Deer Trl	Oak Hollow Dr	158	36	5	6	PR	\$24,600						\$24,600	1					1		
2026	Siggelkow Rd	CTH AB / Siggelkow Rd plus 601 ft	Pierce Rd / Siggelkow Rd	676	20	5	6	PR	\$58,200						\$58,200	1					1		
2026	Yahara Dr	Rivercrest Dr	Indian Mound Dr	422	32	5	6	PR	\$58,200						\$58,200	1					1		
2026	USH 51 prep	Dale Rd Xing & along USH 51						WR				\$681,100			\$681,100	0	1				1		
2026	South Ct	Overlook Dr plus 600 ft	Yahara Drive	550				W				\$121,000			\$121,000	0	1					This budget includes the addition of curb and gutter from Overlook Drive to the end	
2026	Severson Rd	Lake Edge Rd	Farwell St	650	32	5	6	PUR	\$80,700			\$108,400			\$189,100	1	1				2		
<b>Year Total</b>									<b>\$563,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,476,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,039,800</b>								
2027	Overlook Dr	Burma Rd / South Ct	South Ct	1373	18	3	9	PUR	\$141,300			\$370,800			\$512,100	3	1				4		
2027	Wisconsin Ave	Bremer Rd / Norma Rd	Termini	318	20	3	9	PUR	\$46,800			\$90,300			\$137,100	3	1				4		
2027	Field Ave	Erling Ave	Card Ave	650	42	4		PUR	\$96,100			\$158,400			\$254,500	2	1				3		
2027	Erling Ave	Bremer Rd	Terminal Dr	700	36	2		PUR	\$69,300			\$161,200			\$230,500	3	1				4		
2027	Wild Flower Ct	Country Walk / Forest Ridge Ct	Termini	264	32	5	6	PR	\$36,400						\$36,400	1					1		
2027	Lake Edge Dr	South Ct	loop	400	35	6		PUR	\$45,400			\$147,800			\$193,200	1	1				2		
2027	Beckler	Card Ave	Erling Ave	264	26	5		PR	\$29,600						\$29,600	1					1		
2027	Badger St	Dale St	Farwell St	350	32	5		PR	\$58,100						\$58,100	1					1		
<b>Year Total</b>									<b>\$523,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$928,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,451,500</b>								
2028	Morning Dove Dr	Hidden Farm Rd plus 422 ft	Country Walk / Spring Pond Ct	423	32	5	6	PR	\$58,400						\$58,400	1					1		
2028	Morning Dove Dr	Hidden Farm Rd	Bird Song Ct	320	32	5	6	PR	\$58,200						\$58,200	1					1		
2028	N Bremer Road	Erling Ave	Bellevue Ct	1000	32	6		PUR	\$114,500			\$469,700			\$584,200	1	1				2		
2028	Creamery Road	Creamery Court plus 350 ft	Country Walk	352	28	5		RC	\$307,065			\$187,744			\$494,900	1					1		
<b>Year Total</b>									<b>\$538,165</b>	<b>\$0</b>	<b>\$0</b>	<b>\$469,700</b>	<b>\$187,744</b>	<b>\$0</b>	<b>\$1,195,700</b>								

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments										
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total									
2029	Creamery Road	Country Walk	Country Walk plus 1000 ft	1000	28	5		RC	\$173,737							\$173,800	1					1									
2029	Black Walnut Dr	Wild Cherry Ln	Smith Ridge Rd	1267	36	6		PR	\$196,200							\$196,200	1						1								
2029	Black Walnut Dr	Smith Ridge Rd	Siggelkow Rd / Carncross Dr	1900	36	6		PR	\$294,200							\$294,200	1						1								
<b>Year Total</b>									<b>\$664,137</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$664,200</b>																
2030	Burma Rd	Overlook Dr / South Ct	USH51	640	32	4		PR	\$88,100							\$88,100	2						2								
2030	Ahren Ln	Meredith Way	Exchange St	528	32	7		PR	\$72,700							\$72,700	0						0								
2030	S Bremer Road	Larson Beach Rd plus 200 ft	Bellevue Ct	1200	32	7		PUR	\$190,800			\$512,400				\$703,200	0		1				1								
2030	Brandt Rd	CTH AB	Termini	528	16	4		PR	\$36,400							\$36,400	2						2								
2030	Brendan Ct	Termini	Meredith Way	211	32	7		PR	\$29,100							\$29,100	0						0								
2030	Cardinal Dr	Curtis St	Sauk Ln	739	36	6		PR	\$114,400							\$114,400	1						1								
2030	Calico Ct	Marsh Rd / Calico Dr	Termini	580	32	5		PR	\$79,900							\$79,900	1						1								
2030	Norma Rd	Termini	Bremer Rd / Wisconsin Ave	898	36	4	9	PUR	\$105,921			\$298,505				\$404,500	2		1				3								
<b>Year Total</b>									<b>\$717,321</b>	<b>\$0</b>	<b>\$0</b>	<b>\$810,905</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,528,300</b>																
<b>TOTAL FOR YEARS 0-8 (Excludes Exchange Street)</b>									<b>\$5,729,974</b>	<b>\$2,613,600</b>	<b>\$123,500</b>	<b>\$6,500,645</b>	<b>\$705,644</b>	<b>\$3,905,800</b>	<b>\$19,579,500</b>																
<b>TOTAL FOR YEARS 0-8 (Includes Exchange Street)</b>									<b>\$6,450,874</b>	<b>\$2,613,600</b>	<b>\$925,500</b>	<b>\$6,665,145</b>	<b>\$1,371,644</b>	<b>\$3,905,800</b>	<b>\$21,932,900</b>																

  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 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 2022 Street and Utility Improvements project and authorize for bid.

**PREVIOUS ACTION:**

None.

**ISSUE SUMMARY:**

**Bremer Road** in the vicinity of Larson Beach Road is slated for approximately 200 feet of minor watermain replacement and pavement work. The curb will be repaired as needed.

**Card Avenue** is slated for pavement and utility rehabilitation. This road is by Lake Waubesa and consists of concrete and asphalt. The project area is between Larson Street and Bellevue Court. The existing concrete pavement will be replaced with asphalt. The project is 1,050 feet in length. Spot curb repairs will be made as needed.

**Bellevue Court** is also slated for pavement and utility rehabilitation. This road runs from Card Avenue to Bremer Road and is by Lake Waubesa and consists of concrete and asphalt. This work will take place between Larson Street and Bellevue Court. The existing concrete pavement will be replaced with asphalt. Spot curb repairs, as needed, will be made when needed. This project is a little over 200 feet in length.

**Hidden Farm Road** is in poor shape and is a candidate for repair. The section of roadway under consideration is 785 feet long and runs from Elvehjem Road to Orchard Hill Park. There are two options for repair: Mill & Overlay or reconstruct the road and convert it into an urban section from a rural section.

*Reconstruct* - This work would include the installation of curb and gutter, a pedestrian path and new pavement. This design would allow for on-street parking.

*Mill and Overlay* – The roadway would remain the same as what is currently there except the base course and pavement would be replaced. No other improvement will be made if this selection is recommended.

\*Public Works Committee reviewed the Hidden Farm Road plans at their December 14 meeting and recommended to have curb, parking and a path on the east side of the roadway.

**Storck Road** is located off of Siggelkow Road, approximately 3,100 feet east of Holscher Road and is slated for mill and overlay work. This is a rural roadway that runs north from Siggelkow



Road to Interstate 39/90. This roadway is McFarland's Emergency Services connection to Interstate 39/90, for which the Village is responsible for providing services. Storck Road is approximately 2,200 feet in length.

**Supplemental Bid Item**

As part of the mill and overlay portion of these projects, we will be adding on to the bidding documents, a supplemental line item for additional work. This supplemental item will help us in the event of any street pavement problems due to wintertime issues, such as heaving or severe pavement deterioration and/or watermain break repairs.

**FINANCIAL/BUDGET IMPACT:**

Enclosed within the packet are cost estimates from the engineer for each portion of the project.

- Bremer Road is estimated at an overall project budget of \$98,800. The estimate provided is based on a quote received from S&L Underground in 2021.
- Card Avenue is estimated at an overall project budget of \$313,582.
- Bellevue Court is estimated at an overall project budget of \$139,350.
- Hidden Farm Road, if a rural conversation is recommended, is estimated at an overall project budget of \$393,250. If the recommended project is Mill & Overlay the estimated budget is \$136,681.
- Storck Road is estimated at an overall project budget of \$144,983.

**VILLAGE PLAN REFERENCE:**

Long Range CIP-12.10.2021

**ORDINANCE REFERENCE:**

None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

Recommend approval to the Village Board to accept the project designs and authorize the project for bidding.

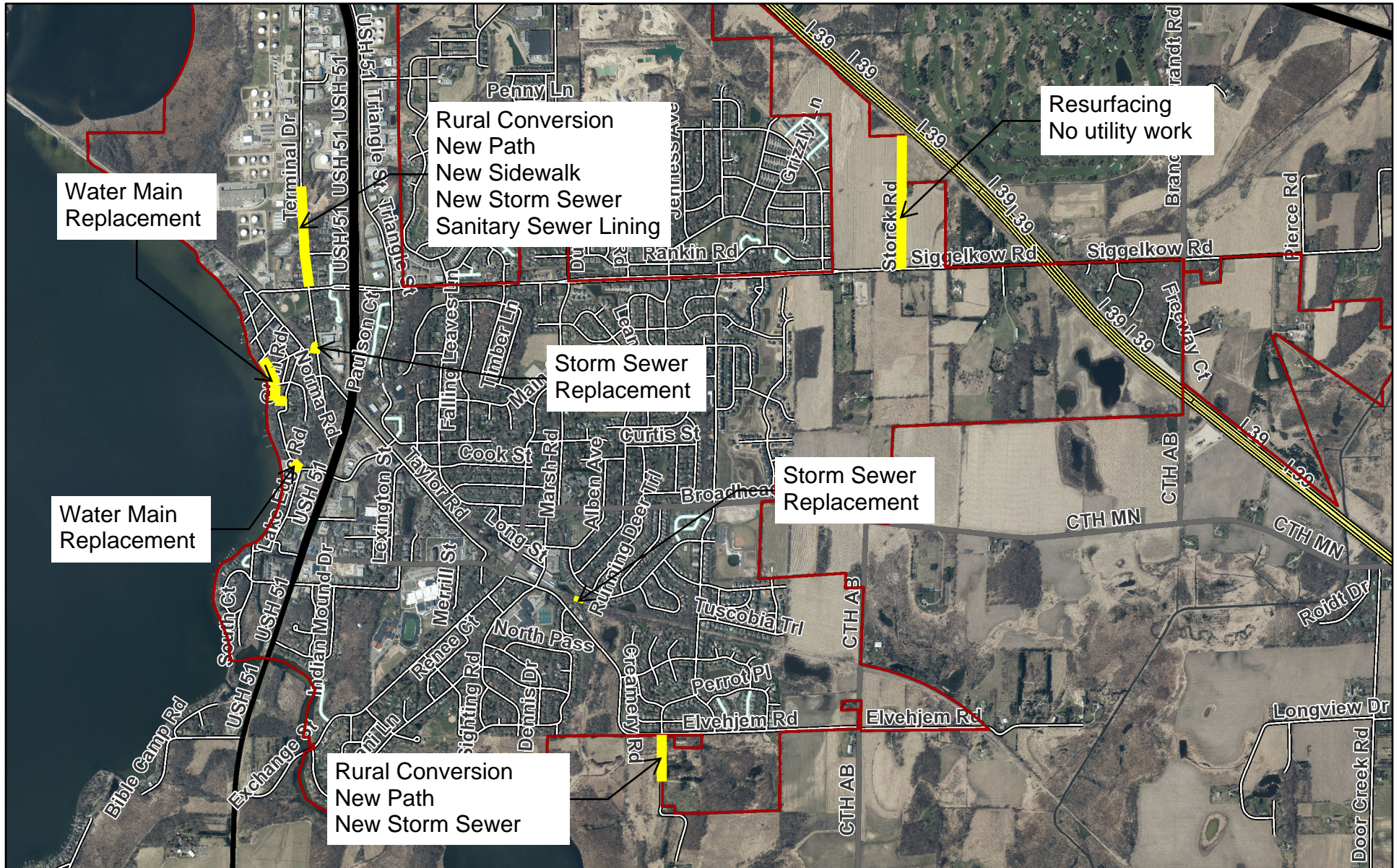
**ATTACHMENTS:**

1. 2022 CIP Map
2. Bremer Road Water Main Replacement
3. Bremer Road Estimate
4. Card & Bellevue SHEETS
5. Bellevue Court Estimate
6. Card Avenue Estimate
7. HIDDEN FARM SHEETS-roll (1)
8. Hidden Farm Road Estimates
9. Hidden Farm Street Section- Alt 1\_proc
10. Storck Road Resurfacing
11. Storck Road Estimate (1)



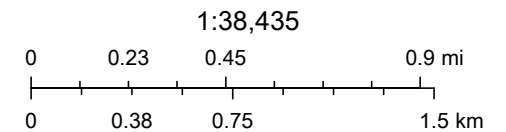
12. Long Range CIP- 12.10.2021

# Village of McFarland- 2022 CIP



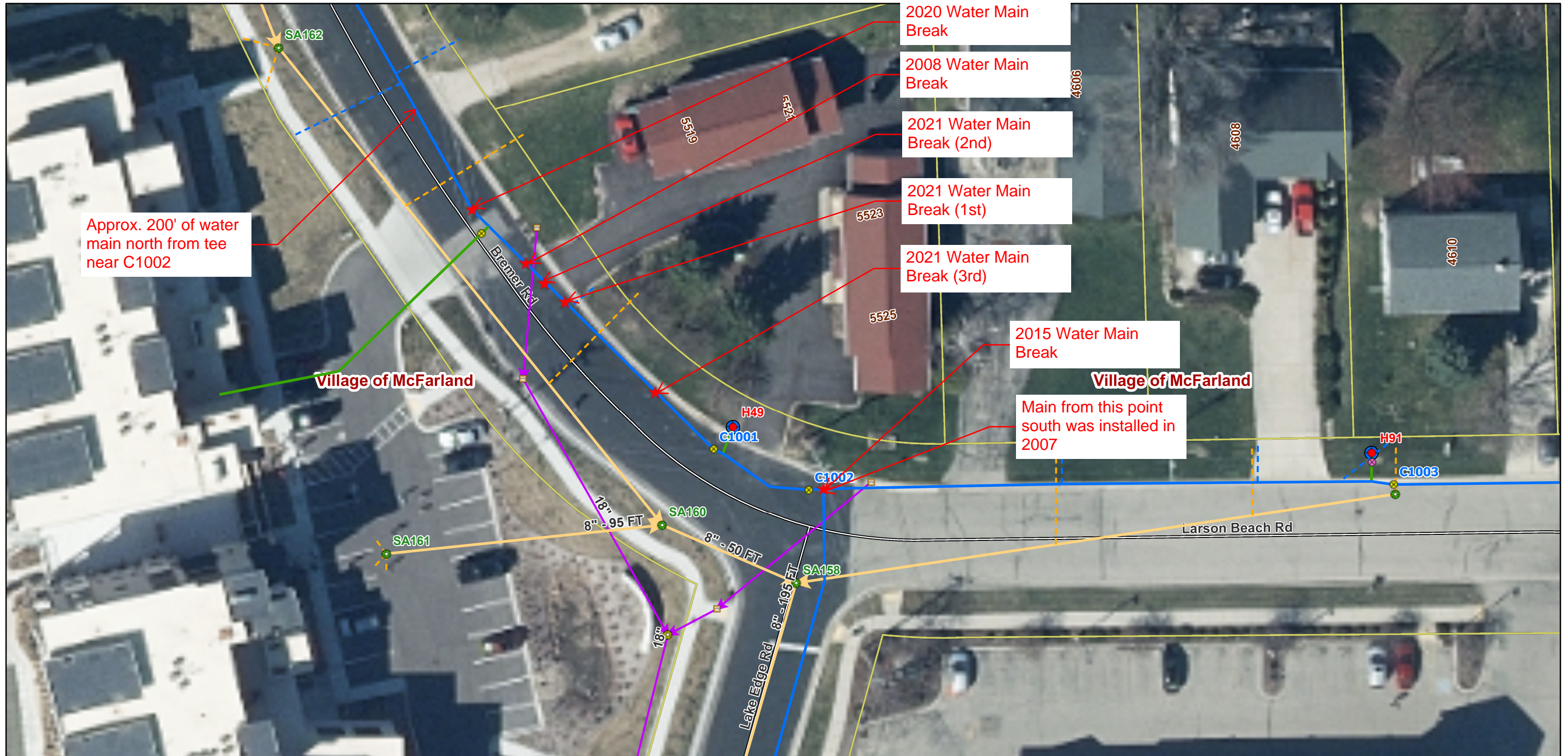
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|-----------|--------------------|----------------|--------------------|
| Draft CIP | Road Centerlines   | State Highway  | Restricted Access  |
| 2022      | Interstate Highway | County Highway | Ramp               |
| Village   | US Highway         | Local Road     | Named Private Road |



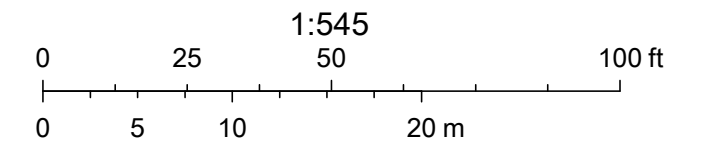
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# Bremer Road Watermain Replacement

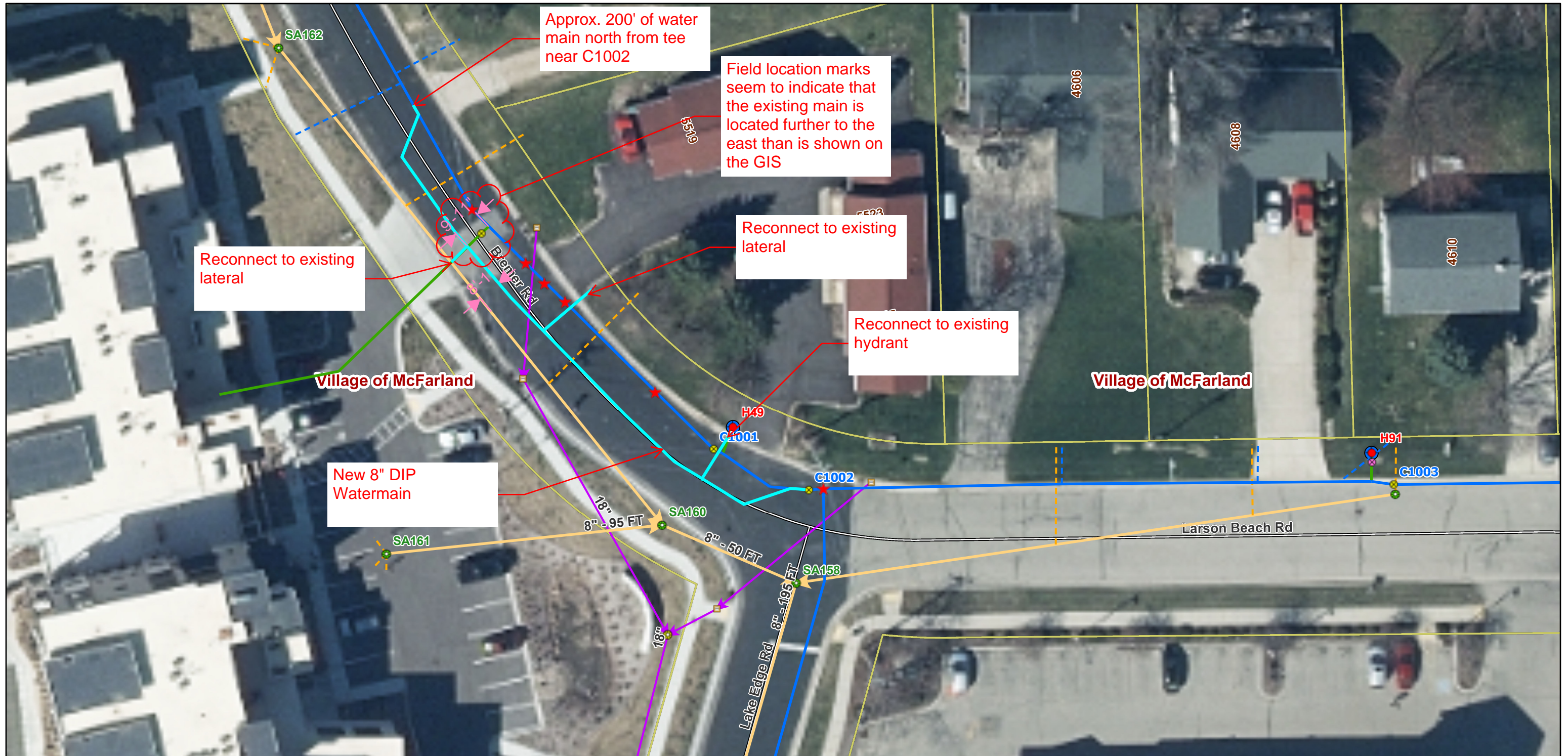


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- |                        |                    |                       |                       |                       |                      |                      |
|------------------------|--------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| ◆ Hydrants (Estimated) | --- Water Laterals | ● Sanitary Objects    | ■ Storm Appurtenances | ▭ Village             | — US Highway         | — Ramp               |
| ★ Water Breaks         | — Water Mains      | ● Manhole             | ● Manhole             | ▭ Town                | — State Highway      | — Named Private Road |
| ◆ Hydrants             | — 6"               | --- Sanitary Laterals | ■ Street Inlet        | ▭ Preliminary Address | — County Highway     | ▭ Parcels            |
| Water Valves           | — 8"               | → Gravity Sewers      | → Storm Pipes         | ▭ Primary Address     | — Local Road         |                      |
| ● Hydrant              | ● NFPA Color Code  |                       | ▭ Municipalities      | ▭ City                | — Interstate Highway |                      |
| ● Main                 | ● >1500 gpm        |                       |                       |                       |                      |                      |

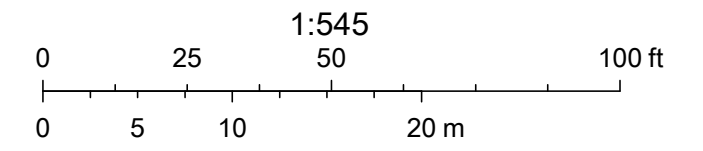


# Bremer Road Watermain Replacement



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- |                        |                    |                       |                       |                       |                      |                      |
|------------------------|--------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| ◆ Hydrants (Estimated) | --- Water Laterals | ● Sanitary Objects    | ■ Storm Appurtenances | ▭ Village             | — US Highway         | — Ramp               |
| ★ Water Breaks         | — Water Mains      | ● Manhole             | ● Manhole             | ▭ Town                | — State Highway      | — Named Private Road |
| ◆ Hydrants             | — 6"               | --- Sanitary Laterals | ■ Street Inlet        | ▭ Preliminary Address | — County Highway     | ▭ Parcels            |
| Water Valves           | — 8"               | → Gravity Sewers      | → Storm Pipes         | ▭ Primary Address     | — Local Road         |                      |
| ● Hydrant              | NFPA Color Code    | → 8"                  | ▭ Municipalities      | ▭ City                | — Interstate Highway |                      |
| ● Main                 | ● >1500 gpm        |                       |                       |                       |                      |                      |



07/19/2021 11:25  
 2021-081 McFarland Bremer Rd 7-15-21  
 \*\*\* Matt Kundert

**BID TOTALS**

<u>Biditem</u>	<u>Description</u>	<u>Status - Rnd</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Bid Total</u>
10	MOBILIZATION	U	1.000	LS	3,600.00	3,600.00
20	INLET PROTECTION	U	7.000	EA	265.00	1,855.00
40	CONNECT TO EXISTING WATERMAIN	U	2.000	EA	2,590.00	5,180.00
50	6" VALVE	U	2.000	EA	2,015.00	4,030.00
60	8" VALVE	U	1.000	EA	2,500.00	2,500.00
70	6" WATERMAIN	U	26.000	LF	104.00	2,704.00
80	8" WATERMAIN	U	210.000	LF	120.00	25,200.00
81	TRENCH BACKFILL	U	185.000	CY	20.00	3,700.00
82	BLOW OFF	U	1.000	EA	950.00	950.00
85	INSULATE WATERMAIN	U	1.000	EA	115.00	115.00
90	1" WATER SERVICE W RECONNECT	U	22.000	LF	72.00	1,584.00
100	ABANDON EXISTING WATERMAIN	U	2.000	EA	567.00	1,134.00
110	UTILITY TRENCH PATCH	U	210.000	TF	18.00	3,780.00
115	REMOVE/REPLACE CURRB AND GUTTER	U	30.000	LF	80.00	2,400.00

---

Bid Total =====> \$58,732.00

---

This quote was provided to the Village by S&L underground in 2021 for work completed in 2021. An additional approximately \$40,000 is estimated for street pulverizing and overlay, engineering, and contingencies. The overall project budget is \$98,800.

# 2022 Street and Water Main Improvements Card Avenue and Bellvue Court



NOTE: SPOTS FOR BENCH TABLES ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

TBM	ELEV.	DESCRIPTION
832	827.23	CHIEFED X ON CORNER OF THE BRICK
833	826.38	MARKER IN THE QUARTER OF CARD AND WISCONSIN

TBM	ELEV.	DESCRIPTION
834	826.81	CHIEFED X ON SE CORNER OF BELLEVUE & CARD

TBM	ELEV.	DESCRIPTION
835	826.81	MARKER SET AT THE END OF BELLEVUE

NOTE: SPOTS FOR BENCH TABLES ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

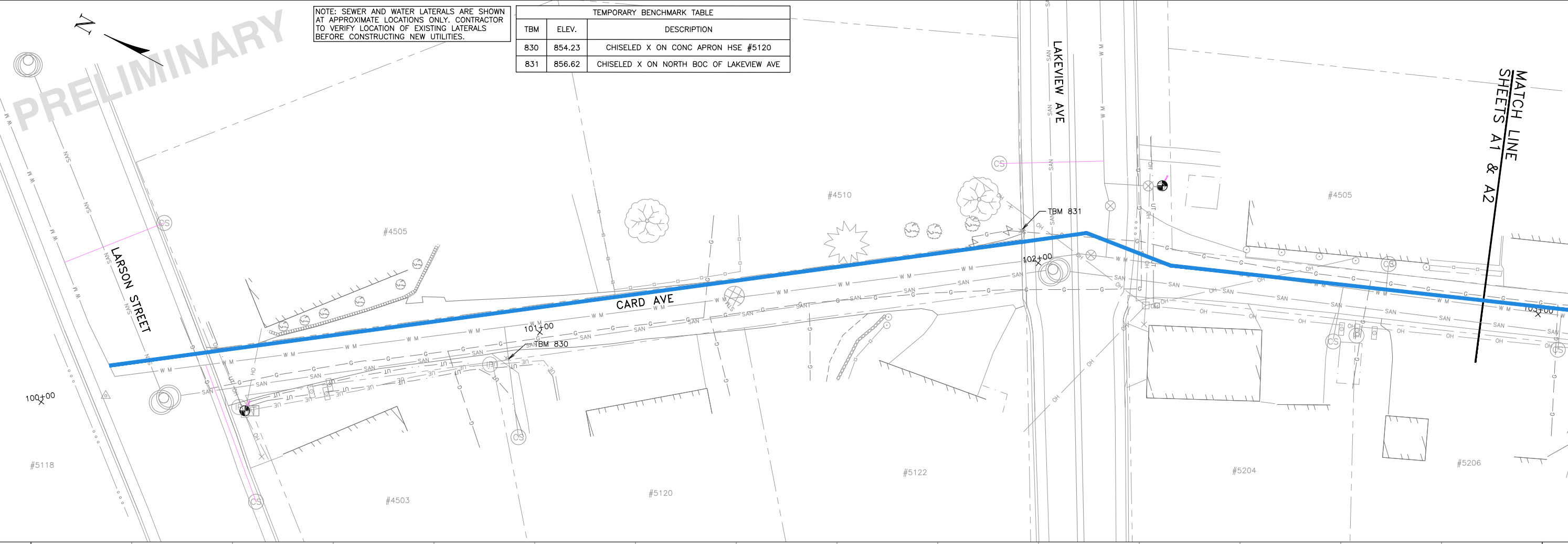
TBM	ELEV.	DESCRIPTION
830	826.81	CHIEFED X ON CORNER OF THE BRICK
831	826.38	MARKER IN THE QUARTER OF CARD AND WISCONSIN

Preliminary new water main alignment shown in blue

Existing gas main highlighted in yellow

Existing sanitary sewer highlighted in green

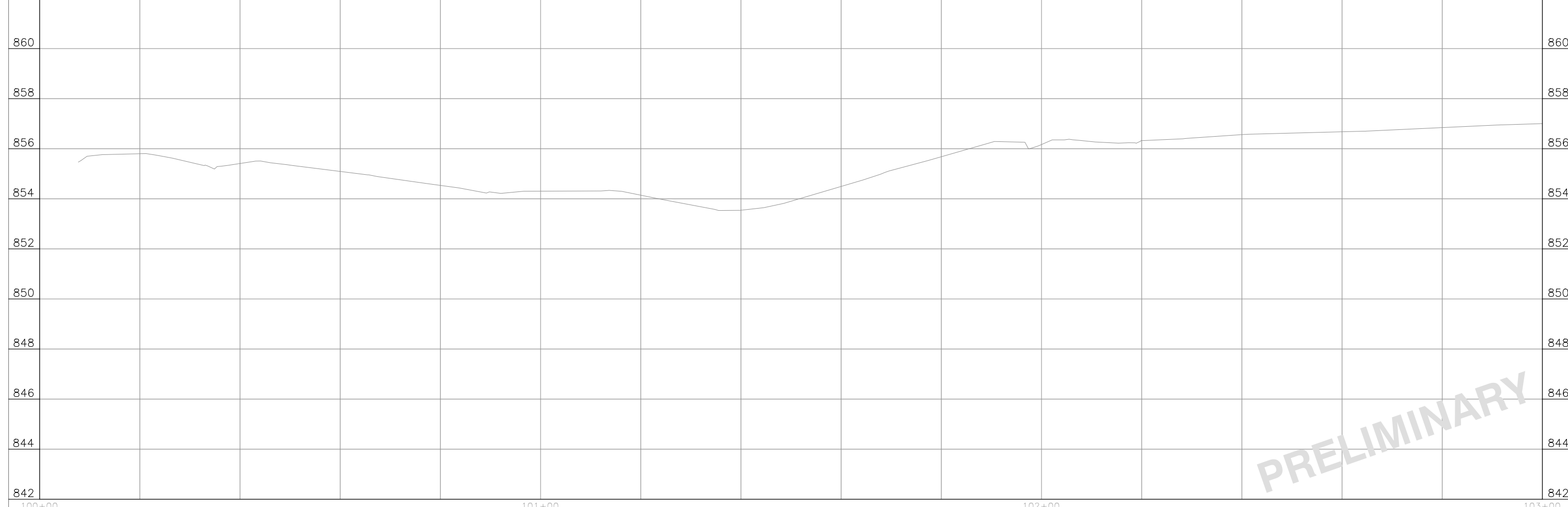
Approximate alleyway ROW property lines shown in magenta. Alleyway ROW corridor width is 10\''



6264 Nesbitt Road  
Madison, WI 53719  
(608) 273-3350  
www.tceengineers.net

**tc** TOWN & COUNTRY  
ENGINEERING, INC.

PLAN & PROFILE  
CARD AVENUE  
Station 100+00 To Station 103+00



2022 STREET AND UTILITY IMPROVEMENTS  
Hidden Farm Road, Bremer Road, Card Avenue  
Village of McFarland, Wisconsin

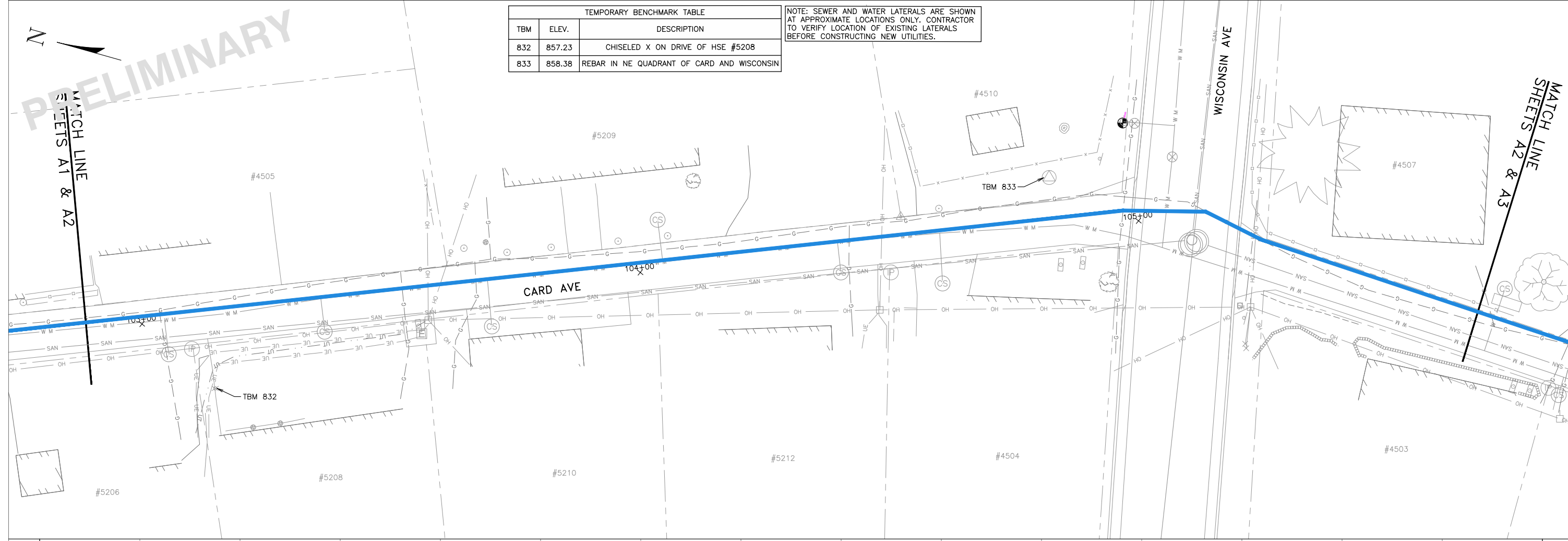
PROJECT NO.: MC 189  
DRAWING FILE: CARD SHEETS.DWG  
DRAWN BY: J.R.K.  
CHECKED BY: T.J.S.  
DATE: 12-9-21  
REVISIONS:  
SCALE: HORIZONTAL 1"=50'  
VERTICAL 1"=2'  
SHEET: A1

**PRELIMINARY**

MATCH LINE  
SHEETS A1 & A2

TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
832	857.23	CHISELED X ON DRIVE OF HSE #5208
833	858.38	REBAR IN NE QUADRANT OF CARD AND WISCONSIN

NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.

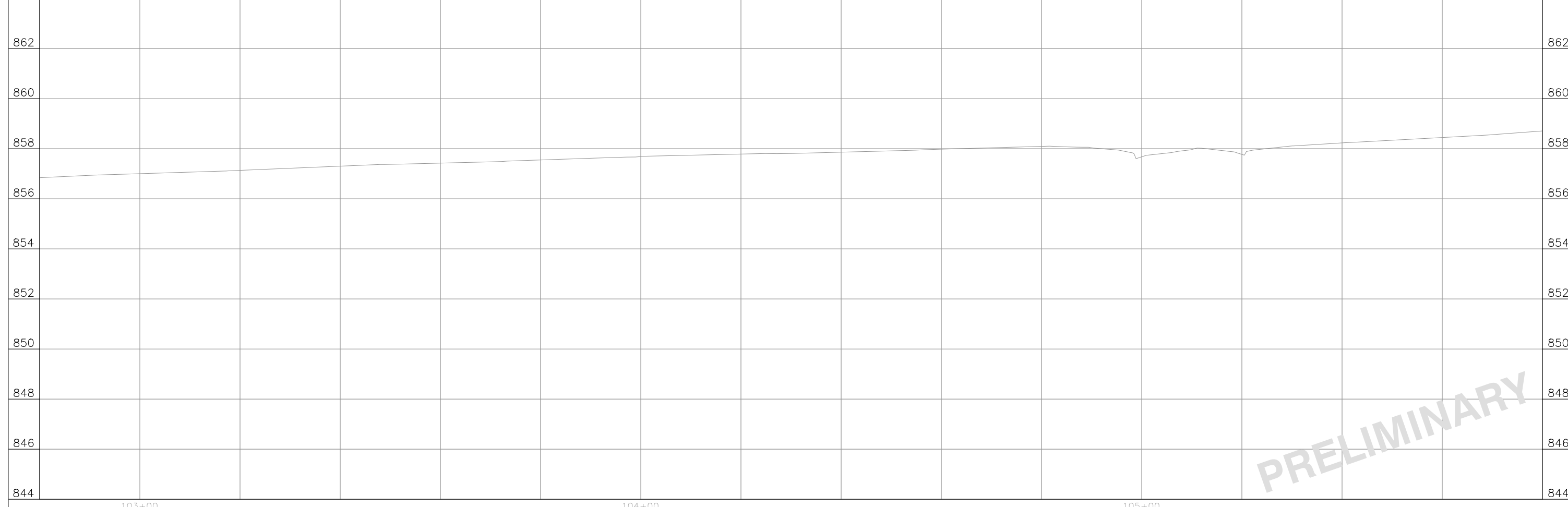


MATCH LINE  
SHEETS A2 & A3

6264 Nesbitt Road  
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(608) 273-3350  
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**PLAN & PROFILE**  
**CARD AVENUE**  
Station 102+80 To Station 105+80



**2022 STREET AND UTILITY IMPROVEMENTS**  
Hidden Farm Road, Bremer Road, Card Avenue  
Village of McFarland, Wisconsin

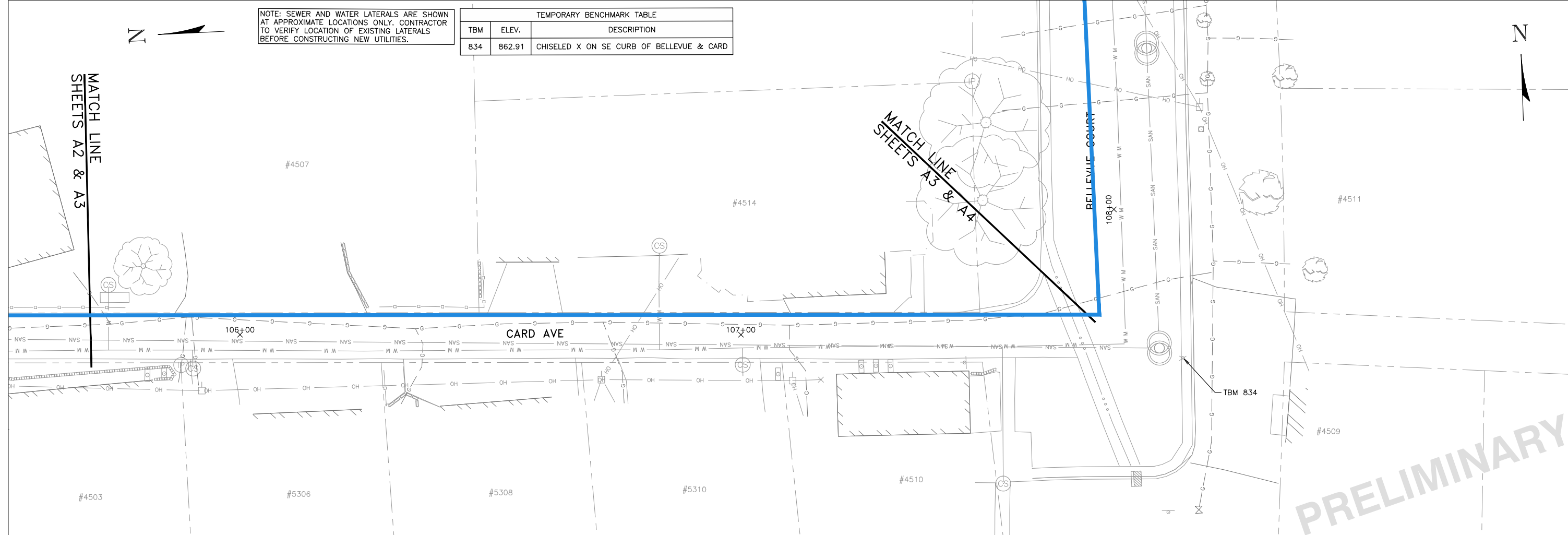
PROJECT NO.: MC 189  
DRAWING FILE: CARD SHEETS.DWG  
DRAWN BY: J.R.K.  
CHECKED BY: T.J.S.  
DATE: 12-9-21  
REVISIONS:  
SCALE: HORIZONTAL 1"=50'  
VERTICAL 1"=2'  
SHEET: A2

**PRELIMINARY**

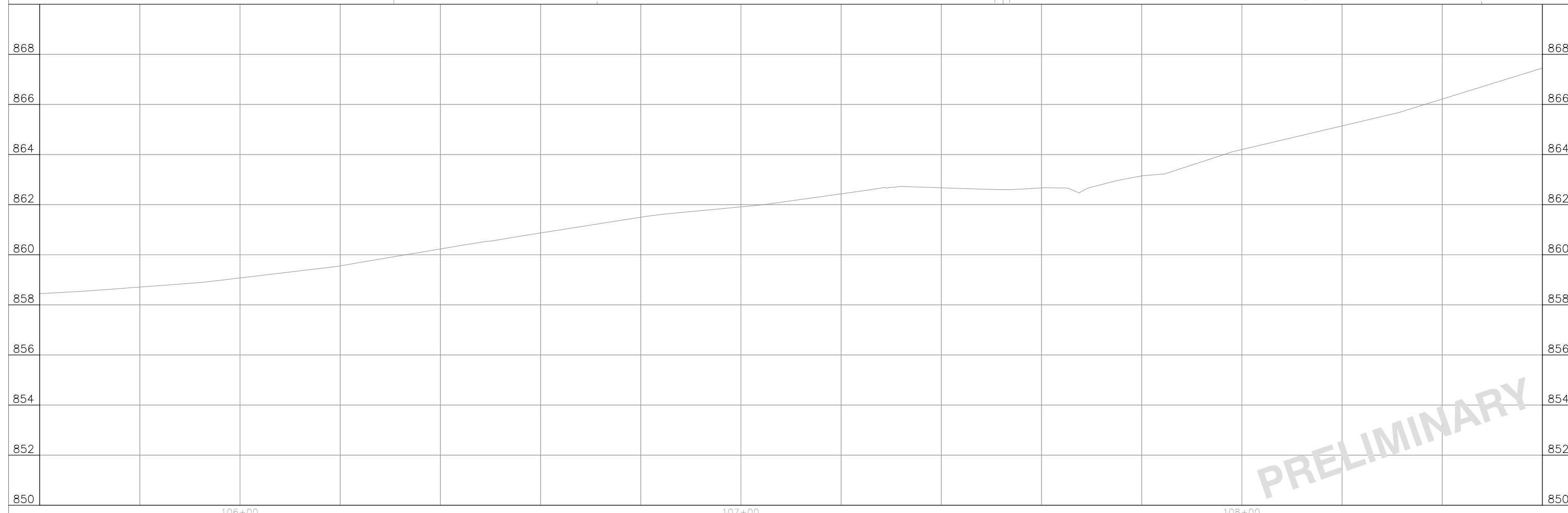


NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.

TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
834	862.91	CHISELED X ON SE CURB OF BELLEVUE & CARD



PRELIMINARY



PRELIMINARY

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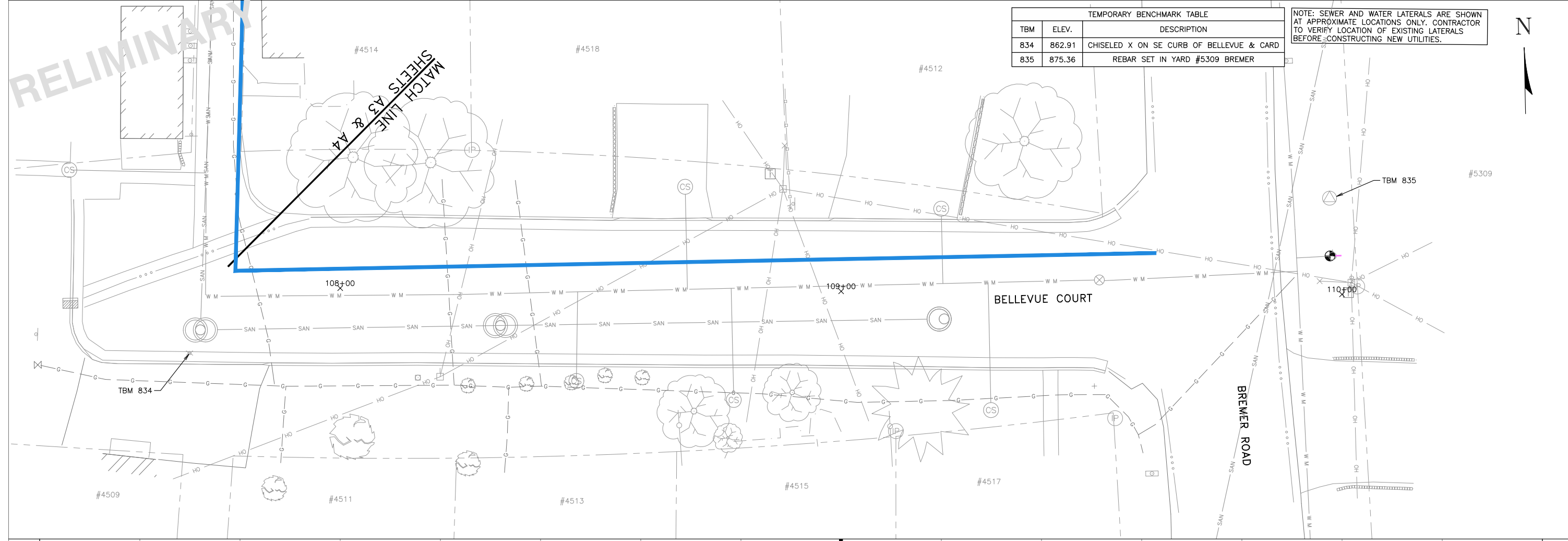
**tc** TOWN & COUNTRY  
ENGINEERING, INC.

PLAN & PROFILE  
CARD AVENUE  
Station 105+60 To Station 107+80

2022 STREET AND UTILITY IMPROVEMENTS  
Hidden Farm Road, Bremer Road, Card Avenue  
Village of McFarland, Wisconsin

PROJECT NO.: MC 189  
DRAWING FILE: CARD SHEETS.DWG  
DRAWN BY: J.R.K.  
CHECKED BY: T.J.S.  
DATE: 12-9-21  
REVISIONS:  
SCALE: HORIZONTAL 1"=50'  
VERTICAL 1"=20'  
SHEET: A3

RELIMINARY



TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
834	862.91	CHISELED X ON SE CURB OF BELLEVUE & CARD
835	875.36	REBAR SET IN YARD #5309 BREMER

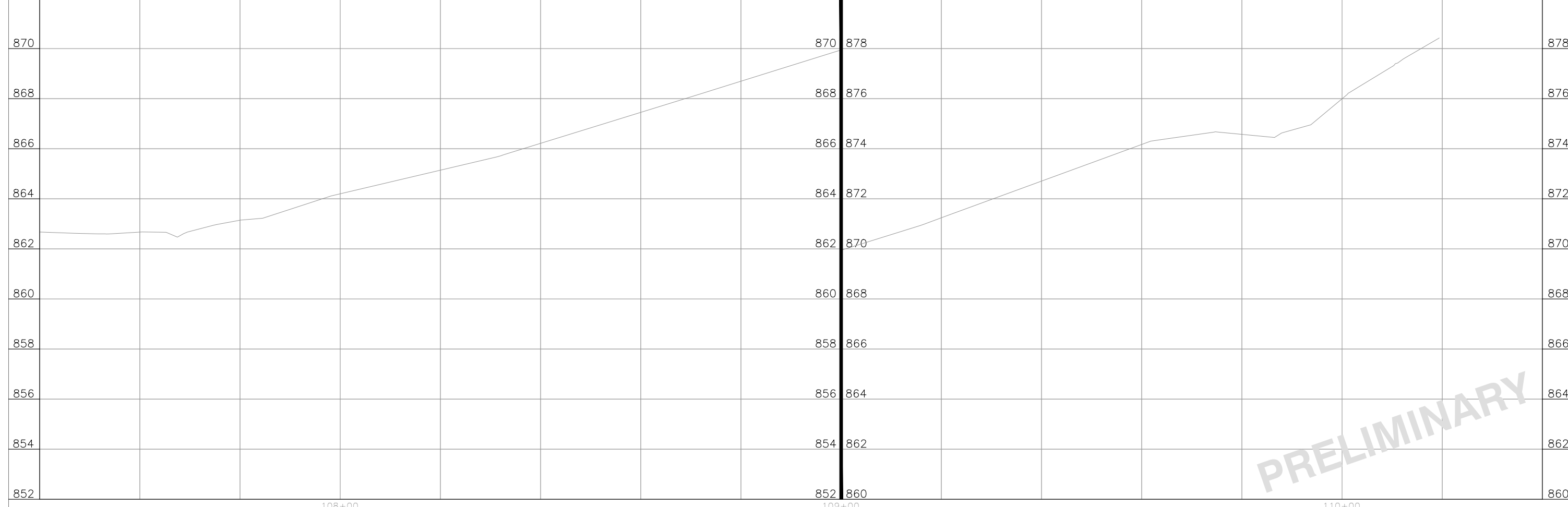
NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.



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PLAN & PROFILE  
BELLEVUE AVENUE  
Station 107+60 To Station 110+40



2022 STREET AND UTILITY IMPROVEMENTS  
Hidden Farm Road, Bremer Road, Card Avenue  
Village of McFarland, Wisconsin

PROJECT NO.: MC 189  
DRAWING FILE: CARD SHEETS.DWG  
DRAWN BY: J.R.K.  
CHECKED BY: T.J.S.  
DATE: 12-9-21  
REVISIONS:  
SCALE: HORIZONTAL 1"=50'  
VERTICAL 1"=2'  
SHEET:

RELIMINARY

A4

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
2021 Water Main Improvements
Bellevue Court (Bremer Road to Card Court)
May 21, 2021

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Pipeline Subject to Dewatering, Feet:	250
Pipeline Subject to Rock Excavation, Feet:	0
Expected Average Depth of Rock, Feet:	0
Pipeline Subject to Pavement Restoration, Feet:	250
Depth of Pipeline Subject to Pave. Restoration, Feet:	8
Pipeline Subject to Grass Restoration, Feet:	150
Crushed Aggregate Restoration Thickness, Inches:	4
Asphalt Pavement Restoration Thickness, Inches:	0
Average Pavement Width Left of Water Main, Feet:	6
Average Pavement Width Right of Water Main, Feet:	10
Average Grass Width Left of Water Main, Feet:	0
Average Grass Width Right of Water Main, Feet:	10
Assumed Trench Sideslope, Vert. to Horiz., ___ to 1:	0.8

**COST ASSUMPTIONS FOR CALCULATIONS:**

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization/Demobilization	1 lump sum	\$4,571.90 lump sum	\$4,572
6" Dia. D.I. Water Main and Hydrant Lead	0 lin. ft.	\$78.00 /lin. ft.	\$0
8" Dia. D.I. Water Main	250 lin. ft.	\$83.00 /lin. ft.	\$20,750
6" Water Valve & Box	0 each	\$1,600.00 each	\$0
8" Water Valve & Box	1 each	\$2,100.00 each	\$2,100
Hydrants, Not Including Hydrant Valve	0 each	\$4,500.00 each	\$0
1" Corporation Stops	7 each	\$500.00 each	\$3,500
1" Curb Stops & Boxes	7 each	\$500.00 each	\$3,500
1" Copper Water Service Lateral	231 lin. ft.	\$48.00 /lin. ft.	\$11,088
Lateral Reconnections	7 each	\$2,200.00 each	\$15,400
Loop Reconnections	2 each	\$1,800.00 each	\$3,600
Dewatering Allowance	250 lin. ft.	\$100.00 /lin. ft.	\$25,000
Other Restoration Allowance	1 l.s.	\$1,500.00 l.s.	\$1,500
Sediment Control Fence	1 l.s.	\$1,500.00 l.s.	\$1,500
Traffic Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Other Erosion Control	1 l.s.	\$1,000.00 l.s.	\$1,000
Testing	1 l.s.	\$1,000.00 l.s.	\$1,000

**CONSTRUCTION SUBTOTAL**

Engineering	@ 13 %	\$96,010
Construction Inspection	@ 4 %	\$12,481
Contingency	@ 10 %	\$3,840
		\$9,601

**Water Subtotal**

**\$121,932**

**Street restoration assigned to Water Utility**

**\$17,418**

**WATER CONSTRUCTION TOTAL**

**\$139,350**

**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:  
DATE OF ESTIMATE:

Village of McFarland
<b>2021 Water Main Improvements</b>
<b>Bellevue Court (Bremer Road to Card Court)</b>
May 21, 2021

**PHYSICAL ASSUMPTIONS:**

Length of Street, Feet:	250
Radii @ Intersections	20
Number of Radii	4
Number of Side Streets	1
Existing Curb & Gutter Removal, Lineal Feet	125
Curb & Gutter Length, Feet:	125
Curb & Gutter Width (F-F), Feet:	30
Width of Curb & Gutter Inches:	30
Number of Valley Gutters:	1
Existing Conc. Flatwork Removal, Sq Feet	630
Amount of New 4" Concrete Sidewalk, Sq. Ft.:	0
Base Course Depth Under 4" Sidewalk, Inches	6
Amount of New 6" Concrete Sidewalk, Sq. Ft.:	630
Base Course Depth Under 6" Sidewalk, Inches	8
Average Bad Subbase Undercut Depth, Inches	3
Breaker Run Depth, Inches:	12
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches	1.75
Asphalt Surface Course Thickness, Inches	1.5
2" Asphalt Driveway or Parking Area, Sq. Yds	0
Base Course Depth Under Parking Area, Inches	12
Width of Topsoiling, Each Side, Feet	7
Manholes to Be Adjusted:	3
Sawcutting Length, Feet:	180
Base Course Safety Factor:	1.1
Asphalt Safety Factor:	1.1

**COST ASSUMPTIONS:**

Curb & Gutter Cost, Per Lineal Foot:	\$12.00
Existing Curb Removal Cost, Per Lin. Ft.	\$4.00
Valley Gutter Cost, Per Each	\$1,750.00
4" Sidewalk Cost, Per Sq. Ft.:	\$4.50
6" Sidewalk Cost, Per Sq. Ft.:	\$6.00
Excavation to Subbase Cost, Per Cu. Yd.	\$14.00
Existing Flatwork Removal Cost, Per Sq. Ft.	\$2.00
Bad Subbase Excavation Cost, Per Cu. Yd.	\$15.00
Bad Subbase Replac. Br. Run Cost, Per Ton:	\$15.00
Breaker Run Cost, Per Ton:	\$15.00
3/4" Crushed Aggregate Cost, Per Ton:	\$16.00
Asphalt Binder Course Cost, Per Ton	\$75.00
Clean & Tack Cost, Per Sq. Yd.:	\$0.25
Asphalt Surface Course Cost, Per Ton:	\$80.00
Parking Lot Pavement Cost, Per Sq. Yd.	\$20.00
Topsoil Restoration Cost, Per Sq. Yd.:	\$3.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.:	\$3.00
Manhole Adjustment Cost, Each:	\$220.00
Sawcutting Cost, Per Lineal Foot:	\$2.25
Erosion Control Allowance, Lump Sum	\$1,500.00
Traffic Control Allowance, Lump Sum	\$500.00

**CALCULATIONS:**

Pavement Width, Feet:	26
3/4 " Cr. Aggr. Depth Under Gutter, Inches:	2.25
Effective Depth of Crown, Inches	1.56
Street Cr. Aggregate & Exc. Area, Sq. Ft.:	9435
Street Pavement Area, Square Feet:	7435
Street Pavement Area, Square Yards:	826.1

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$1,700.00 l.s.	\$1,700
Removal & Disposal of Existing Curb & Gutter	125 l.f.	\$4.00 /l.f.	\$500
Removal & Disposal of Existing Conc. Flatwork	630 s.f.	\$2.00 s.f.	\$1,260
Pulverizing/Grading/Compacting	826.1 s.y.	\$3.50 /s.y.	\$2,891
Excavation of Bad Materials Below Subbase	87 c.y.	\$15.00 /c.y.	\$1,305
3" Breaker Run Replacement of Bad Subbase	174 tons	\$15.00 /ton	\$2,610
Manhole Adjustments	3 ea.	\$220.00 /ea.	\$660
Sawcutting	180 l.f.	\$2.25 /l.f.	\$405
Concrete Curb & Gutter	125 l.f.	\$12.00 /l.f.	\$1,500
Valley Gutter at Intersections	1 ea.	\$1,750.00 /ea.	\$1,750
4" Thick Concrete Sidewalk	0 s.f.	\$4.50 /s.f.	\$0
6" Thick Concrete Sidewalk	630 s.f.	\$6.00 /s.f.	\$3,780
Asphalt Lower Course	95 tons	\$75.00 /ton	\$7,125
Clean & Tack	826 s.y.	\$0.25 /s.y.	\$207
Asphalt Surface Course	82 tons	\$80.00 /ton	\$6,560
Asphalt Driveway Replacements	0 s.y.	\$20.00 /s.y.	\$0
Topsoil Restoration	97 s.y.	\$3.00 /s.y.	\$291
Seeding, Fertilizing & Mulching	97 s.y.	\$3.00 /s.y.	\$291
Erosion Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Contro	1 l.s.	\$500.00 l.s.	\$500

**CONSTRUCTION SUBTOTAL**

**Subtract 50% to assign to Water Utility**

Engineering	@	13 %	\$4,529
Construction Inspection	@	4 %	\$1,393
Contingency	@	10 %	\$3,484

**STREET TOTAL**

**\$26,823**

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
<b>2021 Water Main Improvements</b>
<b>Card Avenue (Larson Street to Bellevue Court)</b>
May 21, 2021

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Pipeline Subject to Dewatering, Feet:	1050
Pipeline Subject to Rock Excavation, Feet:	0
Expected Average Depth of Rock, Feet:	0
Pipeline Subject to Pavement Restoration, Feet:	1050
Depth of Pipeline Subject to Pave. Restoration, Feet:	8
Pipeline Subject to Grass Restoration, Feet:	325
Crushed Aggregate Restoration Thickness, Inches:	4
Asphalt Pavement Restoration Thickness, Inches:	0
Average Pavement Width Left of Water Main, Feet:	6
Average Pavement Width Right of Water Main, Feet:	6
Average Grass Width Left of Water Main, Feet:	10
Average Grass Width Right of Water Main, Feet:	0
Assumed Trench Sideslope, Vert. to Horiz., ___ to 1:	0.8

**COST ASSUMPTIONS FOR CALCULATIONS:**

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization/Demobilization	1 lump sum	\$8,240	\$8,240
6" Dia. D.I. Water Main and Hydrant Lead	0 lin. ft.	\$78.00	\$0
8" Dia. D.I. Water Main	1050 lin. ft.	\$80.00	\$84,000
6" Water Valve & Box	0 each	\$1,400.00	\$0
8" Water Valve & Box	4 each	\$1,750.00	\$7,000
Hydrants, Not Including Hydrant Valve	0 each	\$5,000.00	\$0
1" Corporation Stops	19 each	\$500.00	\$9,500
1" Curb Stops & Boxes	19 each	\$500.00	\$9,500
1" Copper Water Service Lateral	627 lin. ft.	\$50.00	\$31,350
Lateral Reconnections	19 each	\$250.00	\$4,750
Loop Reconnections	4 each	\$1,800.00	\$7,200
Dewatering Allowance	1050 lin. ft.	\$5.00	\$5,250
Other Restoration Allowance	1 l.s.	\$750.00	\$750
Sediment Control Fence	1 l.s.	\$1,500.00	\$1,500
Traffic Control	1 l.s.	\$1,500.00	\$1,500
Other Erosion Control	1 l.s.	\$1,500.00	\$1,500
Testing	1 l.s.	\$1,000.00	\$1,000

**CONSTRUCTION SUBTOTAL**

Engineering	@ 13 %	\$22,495
Construction Inspection	@ 4 %	\$6,922
Contingency	@ 10 %	\$17,304

**Water Subtotal**

**\$219,761**

**Street restoration assigned to Water Utility**

**\$93,821**

**WATER CONSTRUCTION TOTAL**

**\$313,582**

**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
<b>2021 Water Main Improvements</b>
<b>Card Avenue (Larson Street to Bellevue Court)</b>
May 21, 2021

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Length of Street, Feet:	1050
Radii @ Intersections	20
Number of Radii	12
Number of Side Streets	4
Existing Curb & Gutter Removal, Lineal Feet	0
Curb & Gutter Length, Feet:	2100
Curb & Gutter Width (F-F), Feet:	16
Width of Curb & Gutter Inches:	30
Number of Valley Gutters:	7
Existing Conc. Flatwork Removal, Sq Feet	2730
Amount of New 4" Concrete Sidewalk, Sq. Ft.:	0
Base Course Depth Under 4" Sidewalk, Inches	6
Amount of New 6" Concrete Sidewalk, Sq. Ft.:	2310
Base Course Depth Under 6" Sidewalk, Inches	8
Average Bad Subbase Undercut Depth, Inches	3
Breaker Run Depth, Inches:	12
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches	1.75
Asphalt Surface Course Thickness, Inches	1.5
2" Asphalt Driveway or Parking Area, Sq. Yds	47
Base Course Depth Under Parking Area, Inches	12
Width of Topsoiling, Each Side, Feet	7
Manholes to Be Adjusted:	5
Sawcutting Length, Feet:	1000
Base Course Safety Factor:	1.1
Asphalt Safety Factor:	1.1

**COST ASSUMPTIONS:**

Curb & Gutter Cost, Per Lineal Foot:	\$35.00
Existing Curb Removal Cost, Per Lin. Ft.	\$12.00
Valley Gutter Cost, Per Each	\$2,500.00
4" Sidewalk Cost, Per Sq. Ft.:	\$5.00
6" Sidewalk Cost, Per Sq. Ft.:	\$6.00
Excavation to Subbase Cost, Per Cu. Yd.	\$14.00
Existing Flatwork Removal Cost, Per Sq. Ft.	\$2.00
Bad Subbase Excavation Cost, Per Cu. Yd.	\$15.00
Bad Subbase Replac. Br. Run Cost, Per Ton:	\$15.00
Breaker Run Cost, Per Ton:	\$13.00
3/4" Crushed Aggregate Cost, Per Ton:	\$12.00
Asphalt Binder Course Cost, Per Ton	\$75.00
Clean & Tack Cost, Per Sq. Yd.:	\$0.25
Asphalt Surface Course Cost, Per Ton:	\$80.00
Parking Lot Pavement Cost, Per Sq. Yd.	\$20.00
Topsoil Restoration Cost, Per Sq. Yd.:	\$5.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.:	\$5.00
Manhole Adjustment Cost, Each:	\$400.00
Sawcutting Cost, Per Lineal Foot:	\$4.00
Erosion Control Allowance, Lump Sum	\$1,500.00
Traffic Control Allowance, Lump Sum	\$500.00

**CALCULATIONS:**

Pavement Width, Feet:	12
3/4 " Cr. Aggr. Depth Under Gutter, Inches:	2.25
Effective Depth of Crown, Inches	0.72
Street Cr. Aggregate & Exc. Area, Sq. Ft.:	23044
Street Pavement Area, Square Feet:	14806
Street Pavement Area, Square Yards:	1645.1

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$9,000.00 l.s.	\$9,000
Removal & Disposal of Existing Curb & Gutter	0 l.f.	\$12.00 /l.f.	\$0
Removal & Disposal of Existing Conc. Flatwork	2730 s.f.	\$2.00 s.f.	\$5,460
Pulverizing/Grading/Compacting	1645.1 s.y.	\$3.50 /s.y.	\$5,758
Excavation of Bad Materials Below Subbase	213 c.y.	\$15.00 /c.y.	\$3,195
3" Breaker Run Replacement of Bad Subbase	427 tons	\$15.00 /ton	\$6,405
Manhole Adjustments	5 ea.	\$400.00 /ea.	\$2,000
Sawcutting	1000 l.f.	\$4.00 /l.f.	\$4,000
Concrete Curb & Gutter	2100 l.f.	\$35.00 /l.f.	\$73,500
Valley Gutter at Intersections	7 ea.	\$2,500.00 /ea.	\$17,500
4" Thick Concrete Sidewalk	0 s.f.	\$5.00 /s.f.	\$0
6" Thick Concrete Sidewalk	2310 s.f.	\$6.00 /s.f.	\$13,860
Asphalt Lower Course	190 tons	\$75.00 /ton	\$14,250
Clean & Tack	1645 s.y.	\$0.25 /s.y.	\$411
Asphalt Surface Course	163 tons	\$80.00 /ton	\$13,040
Asphalt Driveway Replacements	47 s.y.	\$20.00 /s.y.	\$933
Topsoil Restoration	1633 s.y.	\$5.00 /s.y.	\$8,165
Seeding, Fertilizing & Mulching	1633 s.y.	\$5.00 /s.y.	\$8,165
Erosion Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Control	1 l.s.	\$500.00 l.s.	\$500

**CONSTRUCTION SUBTOTAL**

**Subtract 50% to assign to Water Utility**

Engineering	@ 13 %	\$24,393
Construction Inspection	@ 4 %	\$7,506
Contingency	@ 10 %	\$18,764

**STREET TOTAL**

**\$144,485**



This design accomodates approximately 60 vehicles

4:1 blend line to existing surface

wetland boundary approx. 4800sqft disturbance

width transition to align road and elimiate parking near intersection

HIDDEN FARM ROAD

HIDDEN FARM ROAD

ALIGNMENT  
SHEETS A11 & A2

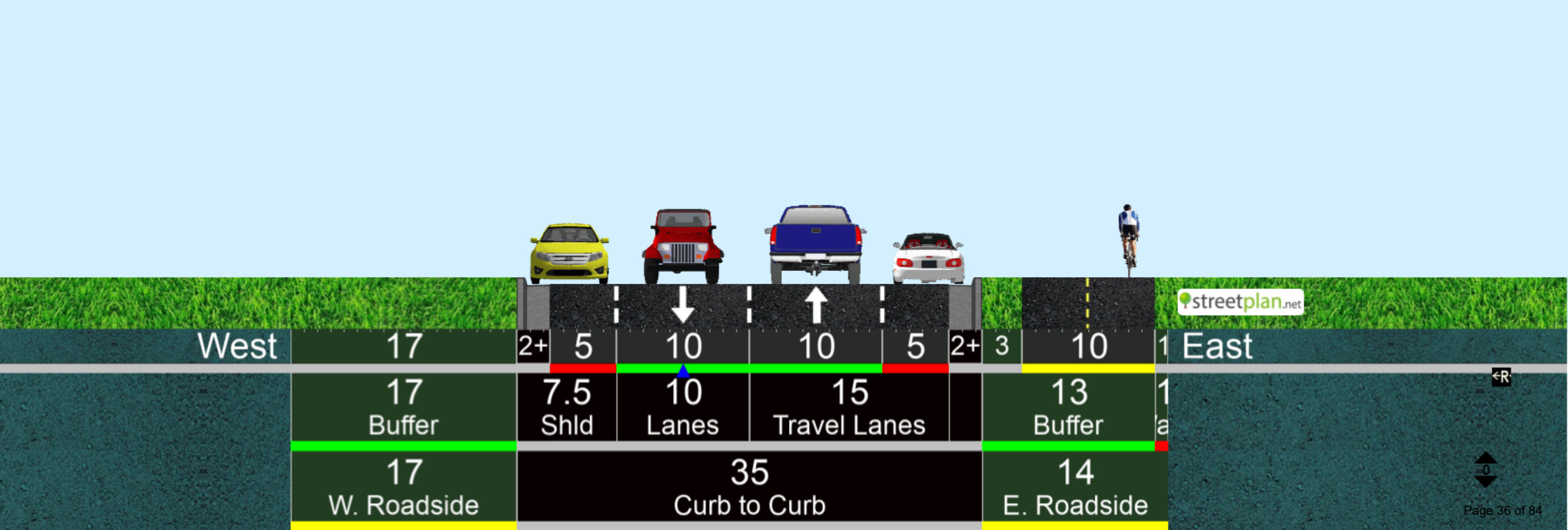
10' wide path

3' wide terrace

4:1 blend line to existing surface

wetland boundary approx. 1200sqft disturbance

10' wide path  
3' wide terrace  
4:1 blend line to existing surface  
wetland boundary approx. 1200sqft disturbance  
width transition to align road and elimiate parking near intersection  
wetland boundary approx. 4800sqft disturbance  
4:1 blend line to existing surface  
This design accomodates approximately 60 vehicles  
HIDDEN FARM ROAD  
HIDDEN FARM ROAD  
ALIGNMENT SHEETS A11 & A2  
10' wide path  
3' wide terrace  
4:1 blend line to existing surface  
wetland boundary approx. 1200sqft disturbance  
width transition to align road and elimiate parking near intersection  
wetland boundary approx. 4800sqft disturbance  
4:1 blend line to existing surface  
This design accomodates approximately 60 vehicles  
HIDDEN FARM ROAD  
HIDDEN FARM ROAD  
ALIGNMENT SHEETS A11 & A2



**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:  
DATE OF ESTIMATE:

Village of McFarland
<b>Hidden Farm Road- Rural Conversion with Path</b>
<b>Elvehjem Road to Orchard Hill Park Entrance</b>
August 2, 2021

**PHYSICAL ASSUMPTIONS:**

Length of Street, Feet	790
Radii @ Intersections	20
Number of Radii	4
Number of Side Streets	1
Existing Curb & Gutter Removal, Lineal Fee	0
Curb & Gutter Length, Feet	1580
Curb Face-to-Curb Face Width, Feet	36
Width of Curb, Inches:	30
Number of Valley Gutters	0
Existing Conc. Pavement Removal, Sq. Fee	0
Amount of New 5" Concrete Sidewalk, Sq. Ft	200
Base Course Depth Under 5" Sidewalk, Inches	6
Amount of New 5" Concrete Sidewalk, Sq. Ft	200
Base Course Depth Under 5" Sidewalk, Inches	6
Average Bad Subbase Undercut Depth, Inches	3
Breaker Run Depth, Inches	12
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches	1.75
Asphalt Surface Course Thickness, Inches	1.5
2" Asphalt Path Sq. Yds:	702.222222
Base Course Depth Under Asphalt Path, Inches	12
Width of Topsoiling, Each Side, Feet	15
Manholes to Be Adjusted	0
Sawcutting Length, Feet	80
Base Course Safety Factor	1.1
Asphalt Safety Factor	1.1

**COST ASSUMPTIONS:**

Curb Cost, Per Lineal Foot	\$18.00
Existing Curb Removal Cost, Per Lin. Ft.	\$5.00
Valley Gutter Cost, Per Each	\$2,500.00
5" Sidewalk Cost, Per Sq. Ft.	\$5.50
5" Sidewalk Cost, Per Sq. Ft.	\$6.50
Excavation to Subbase Cost, Per Cu. Yd	\$16.50
Ex. Conc. Pvmt Removal Cost, Per Sq. Ft	\$2.50
Bad Subbase Excavation Cost, Per Cu. Yd	\$16.50
Bad Subbase Replac. Br. Run Cost, Per Ton	\$16.00
Breaker Run Cost, Per Ton	\$16.00
3/4" Crushed Aggregate Cost, Per Ton	\$16.00
Asphalt Binder Course Cost, Per Ton	\$80.00
Clean & Tack Cost, Per Sq. Yd.	\$0.50
Asphalt Surface Course Cost, Per Ton	\$85.00
Parking Lot Pavement Cost, Per Sq. Yc	\$22.00
Topsoil Restoration Cost, Per Sq. Yd.	\$3.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.:	\$3.00
Manhole Adjustment Cost, Each	\$250.00
Sawcutting Cost, Per Lineal Foot	\$2.00
Erosion Control Allowance, Lump Sum	\$1,500.00
Traffic Control Allowance, Lump Sum	\$500.00

**CALCULATIONS:**

Pavement Width, Feet	32
3/4 " Cr. Aggr. Depth Beneath Curb, Inches	2.25
Effective Depth of Crown, Inches	1.92
Street Cr. Aggregate & Excavation Area, Sq. Ft	32115
Street Pavement Area, Square Fee	26335
Street Pavement Area, Square Yard:	2926.1111

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$12,396.90 l.s.	\$12,397
Removal & Disposal of Existing Curb & Gutter	0 l.f.	\$5.00 /l.f.	\$0
Removal & Disposal of Existing Conc. Pvmt	0 s.f.	\$2.50 s.f.	\$0
Excavation to Subbase	2570 c.y.	\$16.50 /c.y.	\$42,405
Excavation of Bad Materials Below Subbase	297 c.y.	\$16.50 /c.y.	\$4,901
3" Breaker Run Replacement of Bad Subbase	595 tons	\$16.00 /ton	\$9,520
3" Breaker Run Base Course	2385 tons	\$16.00 /ton	\$38,160
3/4" Crushed Aggregate Base Course	2222 tons	\$16.00 /ton	\$35,552
Manhole Adjustments	0 ea.	\$250.00 /ea.	\$0
Sawcutting	80 l.f.	\$2.00 /l.f.	\$160
Concrete Curb & Gutter	1580 l.f.	\$18.00 /l.f.	\$28,440
Valley Gutter at Intersection:	0 ea.	\$2,500.00 /ea.	\$0
4" Thick Concrete Sidewalk	200 s.f.	\$5.50 /s.f.	\$1,100
6" Thick Concrete Sidewalk	200 s.f.	\$6.50 /s.f.	\$1,300
Asphalt Lower Course	338 tons	\$80.00 /ton	\$27,040
Clean & Tack	2926 s.y.	\$0.50 /s.y.	\$1,463
Asphalt Surface Course	290 tons	\$85.00 /ton	\$24,650
Asphalt Path	702.22222 s.y.	\$22.00 /s.y.	\$15,449
Topsoil Restorator	2633 s.y.	\$3.00 /s.y.	\$7,899
Seeding, Fertilizing & Mulching	2633 s.y.	\$3.00 /s.y.	\$7,899
Erosion Contro	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Contro	1 l.s.	\$500.00 l.s.	\$500
Additional Fill Required for Width Expansion	1170.3704 c.y.	\$16.50 /c.y.	\$19,311
Stormwater Managemen	1 l.s.	\$30,000.00 l.s.	\$30,000

**CONSTRUCTION SUBTOTAL**

Engineering/Const. Admin.	@	13 %	\$40,254
Resident Inspection	@	4 %	\$12,385.84
Contingency	@	10 %	\$30,965

**TOTAL**

**\$393,250**

**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
<b>Hidden Farm Road- Rural Section</b>
<b>Elvehjem Road to Orchard Hill Park Entrance</b>
August 10, 2021

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Length of Street, Feet	790
Radii @ Intersections	20
Number of Radii	0
Number of Side Streets	1
Existing Curb & Gutter Removal, Lineal Fee	0
Curb & Gutter Length, Feet	0
Curb Face-to-Curb Face Width, Feet	22
Width of Curb, Inches	30
Number of Valley Gutters	0
Existing Conc. Pavement Removal, Sq. Fee	0
Amount of New 5" Concrete Sidewalk, Sq. Ft	0
Base Course Depth Under 5" Sidewalk, Inches	6
Amount of New 5" Concrete Sidewalk, Sq. Ft	0
Base Course Depth Under 5" Sidewalk, Inches	6
Average Bad Subbase Undercut Depth, Inches	3
Breaker Run Depth, Inches	12
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches	1.75
Asphalt Surface Course Thickness, Inches	1.5
2" Asphalt Path Sq. Yds	0
Base Course Depth Under Asphalt Path, Inches	12
Width of Topsoiling, Each Side, Feet	15
Manholes to Be Adjusted	0
Sawcutting Length, Feet	80
Base Course Safety Factor	1.1
Asphalt Safety Factor	1.1

**COST ASSUMPTIONS:**

Curb Cost, Per Lineal Foot	\$18.00
Existing Curb Removal Cost, Per Lin. Ft.	\$5.00
Valley Gutter Cost, Per Each	\$2,500.00
5" Sidewalk Cost, Per Sq. Ft.	\$5.50
5" Sidewalk Cost, Per Sq. Ft.	\$6.50
Excavation to Subbase Cost, Per Cu. Yd	\$16.50
Ex. Conc. Pvmnt Removal Cost, Per Sq. Ft.	\$2.50
Bad Subbase Excavation Cost, Per Cu. Yd	\$16.50
Bad Subbase Replac. Br. Run Cost, Per Ton	\$16.00
Breaker Run Cost, Per Ton	\$16.00
3/4" Crushed Aggregate Cost, Per Ton	\$16.00
Asphalt Binder Course Cost, Per Ton	\$80.00
Clean & Tack Cost, Per Sq. Yd.	\$0.50
Asphalt Surface Course Cost, Per Ton	\$85.00
Parking Lot Pavement Cost, Per Sq. Yc	\$22.00
Topsoil Restoration Cost, Per Sq. Yd	\$3.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.	\$3.00
Manhole Adjustment Cost, Each	\$250.00
Sawcutting Cost, Per Lineal Foot	\$2.00
Erosion Control Allowance, Lump Surr	\$1,500.00
Traffic Control Allowance, Lump Sum	\$500.00

**CALCULATIONS:**

Pavement Width, Feet	18
3/4 " Cr. Aggr. Depth Beneath Curb, Inches	2.25
Effective Depth of Crown, Inches	1.08
Street Cr. Aggregate & Excavation Area, Sq. Ft	20250
Street Pavement Area, Square Feet	14580
Street Pavement Area, Square Yard:	1620

**COST ESTIMATE:**

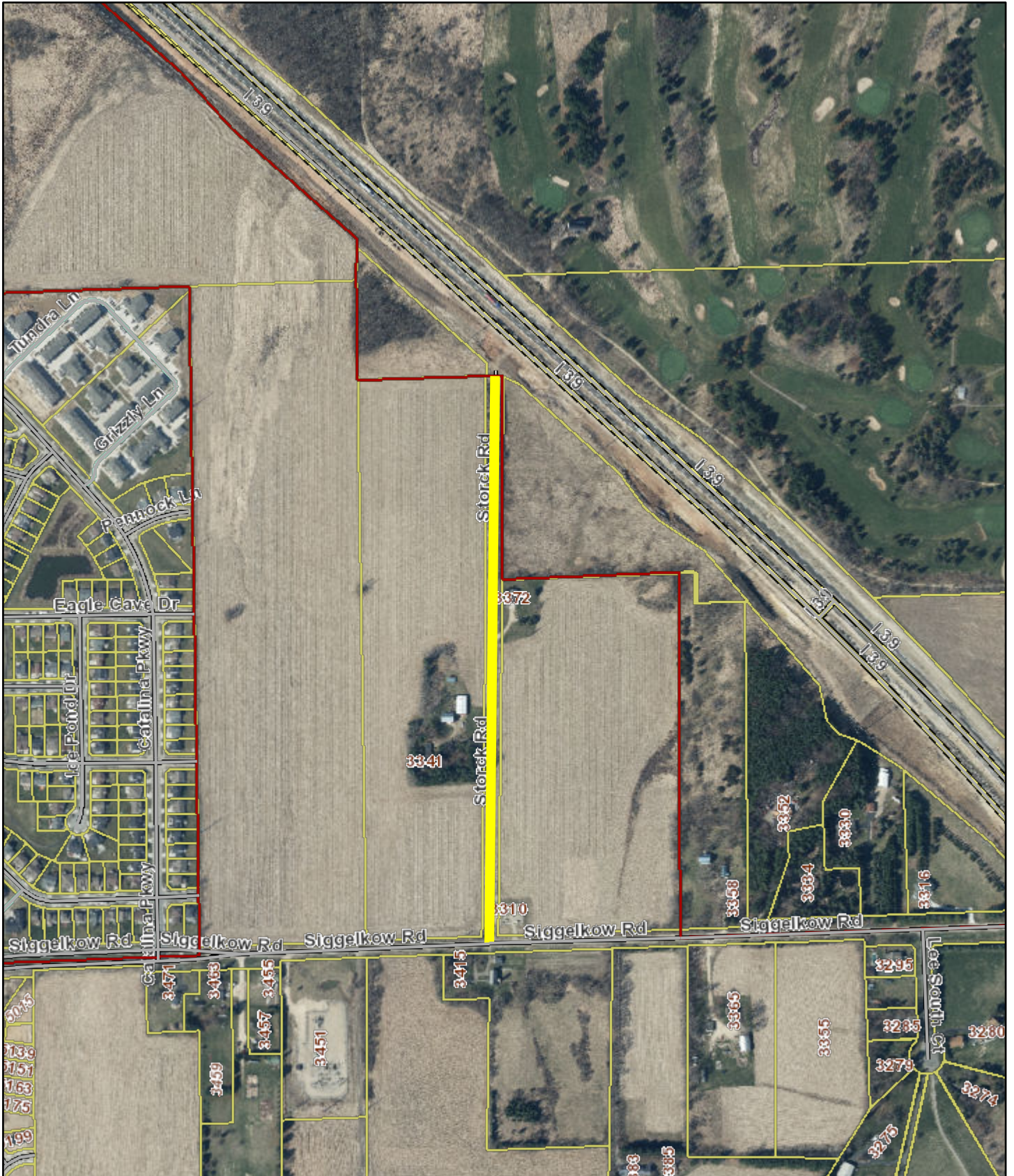
Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$5,124.90 l.s.	\$5,125
Removal & Disposal of Existing Curb & Gutter	0 l.f.	\$5.00 /l.f.	\$0
Removal & Disposal of Existing Conc. Pvmnt	0 s.f.	\$2.50 s.f.	\$0
Excavation to Subbase	1396 c.y.	\$16.50 /c.y.	\$23,034
Excavation of Bad Materials Below Subbas	188 c.y.	\$16.50 /c.y.	\$3,102
3" Breaker Run Replacement of Bad Subbas	377 tons	\$16.00 /ton	\$6,032
3" Breaker Run Base Course	1504 tons	\$16.00 /ton	\$24,064
3/4" Crushed Aggregate Base Course	921 tons	\$16.00 /ton	\$14,736
Manhole Adjustments	0 ea.	\$250.00 /ea.	\$0
Sawcutting	80 l.f.	\$2.00 /l.f.	\$160
Concrete Curb & Gutter	0 l.f.	\$18.00 /l.f.	\$0
Valley Gutter at Intersection:	0 ea.	\$2,500.00 /ea.	\$0
4" Thick Concrete Sidewall	0 s.f.	\$5.50 /s.f.	\$0
6" Thick Concrete Sidewall	0 s.f.	\$6.50 /s.f.	\$0
Asphalt Lower Course	187 tons	\$80.00 /ton	\$14,960
Clean & Tack	1620 s.y.	\$0.50 /s.y.	\$810
Asphalt Surface Course	160 tons	\$85.00 /ton	\$13,600
Asphalt Path	0 s.y.	\$22.00 /s.y.	\$0
Topsoil Restorator	0 s.y.	\$3.00 /s.y.	\$0
Seeding, Fertilizing & Mulching	0 s.y.	\$3.00 /s.y.	\$0
Erosion Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Control	1 l.s.	\$500.00 l.s.	\$500

**CONSTRUCTION SUBTOTAL**

Engineering/Const. Admin.	@	13 %	\$13,991
Resident Inspection	@	4 %	\$4,304.92
Contingency	@	10 %	\$10,762
<b>TOTAL</b>			<b>\$136,681</b>



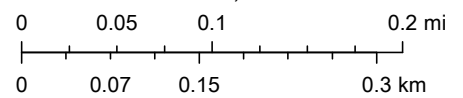
# 2022 Storck Road Resurfacing



12/8/2021, 6:55:52 PM

1:8,725

- |   |  |  |
|---|--|--|
| Draft CIP   | Road Centerlines   | Local Road   |
| <span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 10px;"></span> 2022 | <span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> Interstate Highway | <span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> Restricted Access                    |
| <span style="border: 1px solid red; display: inline-block; width: 15px; height: 10px;"></span> Village                          | <span style="border-bottom: 2px solid black; width: 20px; display: inline-block;"></span> US Highway         | <span style="border-bottom: 1px dashed black; width: 20px; display: inline-block;"></span> Ramp                                |
| Preliminary Address   | <span style="border-bottom: 2px solid red; width: 20px; display: inline-block;"></span> State Highway        | <span style="border-bottom: 1px solid green; width: 20px; display: inline-block;"></span> Named Private Road <small>na</small> |
| Primary Address   | <span style="border-bottom: 2px solid gray; width: 20px; display: inline-block;"></span> County Highway      | <span style="border: 1px solid yellow; display: inline-block; width: 15px; height: 10px;"></span> Parcels                      |



**STREET IMPROVEMENTS COST ESTIMATE**

CLIENT NAME:  
PROJECT NAME:

Village of McFarland
<b>Storck Road</b>
<b>Siggelkow Road to Termini</b>
August 2, 2021

DATE OF ESTIMATE:

**PHYSICAL ASSUMPTIONS:**

Length of Street, Feet	2227
Radii @ Intersections	20
Number of Radii	2
Number of Side Streets	0
Existing Curb & Gutter Removal, Lineal Fee	0
Curb & Gutter Length, Feet	0
Curb Face-to-Curb Face Width, Feet	22
Width of Curb, Inches	30
Number of Valley Gutters	0
Existing Conc. Pavement Removal, Sq. Fee	0
Amount of New 5" Concrete Sidewalk, Sq. Ft	0
Base Course Depth Under 5" Sidewalk, Inches	6
Amount of New 5" Concrete Sidewalk, Sq. Ft	0
Base Course Depth Under 5" Sidewalk, Inches	6
Average Bad Subbase Undercut Depth, Inches	0
Breaker Run Depth, Inches	0
3/4" Crushed Aggregate Depth, Inches	6
Asphalt Binder Course Thickness, Inches	1
Asphalt Surface Course Thickness, Inches	1
2" Asphalt Path Sq. Yds	0
Base Course Depth Under Asphalt Path, Inches	0
Width of Topsoiling, Each Side, Feet	15
Manholes to Be Adjusted	0
Sawcutting Length, Feet	80
Base Course Safety Factor	1.1
Asphalt Safety Factor	1.1

**COST ASSUMPTIONS:**

Curb Cost, Per Lineal Foot	\$18.00
Existing Curb Removal Cost, Per Lin. Ft.	\$5.00
Valley Gutter Cost, Per Each	\$2,500.00
5" Sidewalk Cost, Per Sq. Ft.	\$5.50
5" Sidewalk Cost, Per Sq. Ft.	\$6.50
Excavation to Subbase Cost, Per Cu. Yd	\$16.00
Ex. Conc. Pvmnt Removal Cost, Per Sq. Ft.	\$2.50
Bad Subbase Excavation Cost, Per Cu. Yd	\$16.50
Bad Subbase Replac. Br. Run Cost, Per Ton	\$16.00
Breaker Run Cost, Per Ton	\$16.00
3/4" Crushed Aggregate Cost, Per Ton	\$16.00
Asphalt Binder Course Cost, Per Ton	\$78.00
Clean & Tack Cost, Per Sq. Yd.	\$0.50
Asphalt Surface Course Cost, Per Ton	\$82.00
Parking Lot Pavement Cost, Per Sq. Yc	\$22.00
Topsoil Restoration Cost, Per Sq. Yd	\$3.00
Seeding, Fertilizing & Mulching Cost, Per Sq. Yd.	\$3.00
Manhole Adjustment Cost, Each	\$250.00
Sawcutting Cost, Per Lineal Foot	\$2.00
Erosion Control Allowance, Lump Surr	\$1,500.00
Traffic Control Allowance, Lump Sum	\$500.00

**CALCULATIONS:**

Pavement Width, Feet	18
3/4 " Cr. Aggr. Depth Beneath Curb, Inches	1
Effective Depth of Crown, Inches	1.08
Street Cr. Aggregate & Excavation Area, Sq. Ft	55937
Street Pavement Area, Square Feet	40294
Street Pavement Area, Square Yard:	4477.1111

**COST ESTIMATE:**

Description:	Units	Unit Price	Estimated Cost
Mobilization, Bonds & Insurances	1 l.s.	\$5,523.15 l.s.	\$5,523
Removal & Disposal of Existing Curb & Gutter	0 l.f.	\$5.00 /l.f.	\$0
Removal & Disposal of Existing Conc. Pvmnt	0 s.f.	\$2.50 s.f.	\$0
Excavation to Subbase	1568 c.y.	\$16.00 /c.y.	\$25,088
Excavation of Bad Materials Below Subbas	0 c.y.	\$16.50 /c.y.	\$0
3" Breaker Run Replacement of Bad Subbas	0 tons	\$16.00 /ton	\$0
3" Breaker Run Base Course	0 tons	\$16.00 /ton	\$0
3/4" Crushed Aggregate Base Course	2111 tons	\$16.00 /ton	\$33,776
Manhole Adjustments	0 ea.	\$250.00 /ea.	\$0
Sawcutting	80 l.f.	\$2.00 /l.f.	\$160
Concrete Curb & Gutter	0 l.f.	\$18.00 /l.f.	\$0
Valley Gutter at Intersection:	0 ea.	\$2,500.00 /ea.	\$0
4" Thick Concrete Sidewall	0 s.f.	\$5.50 /s.f.	\$0
6" Thick Concrete Sidewall	0 s.f.	\$6.50 /s.f.	\$0
Asphalt Lower Course	295 tons	\$78.00 /ton	\$23,010
Clean & Tack	4477 s.y.	\$0.50 /s.y.	\$2,239
Asphalt Surface Course	295 tons	\$82.00 /ton	\$24,190
Asphalt Path	0 s.y.	\$22.00 /s.y.	\$0
Topsoil Restoration	0 s.y.	\$3.00 /s.y.	\$0
Seeding, Fertilizing & Mulching	0 s.y.	\$3.00 /s.y.	\$0
Erosion Control	1 l.s.	\$1,500.00 l.s.	\$1,500
Signing and Traffic Control	1 l.s.	\$500.00 l.s.	\$500

**CONSTRUCTION SUBTOTAL**

Engineering/Const. Admin.	@	11 %	\$12,758
Resident Inspection	@	4 %	\$4,639.44
Contingency	@	10 %	\$11,599

**TOTAL**

**\$144,983**

Village of McFarland  
 Conceptual Project List in Approximate Priority Order  
 Long Range ROW Infrastructure Improvements Plan  
 12/10/2021

- Notes:  
 1. Pavement scores are WISLR output. The Village will almost certainly want/need to adjust this to accommodate other priorities.  
 2. WISLR does not do "first worst" ordering, but takes into account many other factors. (0-10 rating, 10 = new)  
 3. WISLR Model makes broad assumptions about curb repair and driveway aprons, nor does it factor in sidewalks or any underground needs.  
 4. Costs shown assumed entire scope described, and will need adjustment if scope is changed.  
 5. This list includes projects funded by TID/TIF sources.  
 6. This list assumes an approximate annual general fund expenditure of \$500,000.  
 7. PR= Pavement Rehabilitation, SSR= Storm Sewer Rehabilitation, PUR= Pavement and Utility Rehabilitation, WR= Water Main Replacement, W= New Watermain, RC= Rural Conversion  
 8. Project costs assume that 50% of street replacement costs for projects that include water main replacement will be funded by the Water Utility.  
 9. Project costs assume 25% curb replacement.

- Project Point Scoring System**  
 10. 0= Rating above 6, 1= Rating 5 or 6, 2= Rating of 4, 3= Rating 3 or lower  
 11. 1= Projects with known sewer replacement needs  
 12. 1= Projects with known water replacement needs, water main greater than 50 years old, or main size 6-inches or less  
 13. 1= Projects with known storm sewer issues and needs  
 14. 1= Project with bicycle and pedestrian system needs identified in the Comprehensive Plan.  
 15. A previous iteration of this document was accepted by the Village Board on 08.23.21. This is a living document and as such is continually updated as additional project details become known.

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non-Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>	
2022	S Terminal Drive	Lift Station 4	Siggelkow Road	1715	32	5	6	RC	\$1,219,700					\$338,100	\$1,557,800	1		1		2	
2022	Osborn Pond	Behind 557x Osborn Drive						SSR				\$75,000		\$75,000	0		1		1		
2022	Terminal Drive	Railroad bridge						SSR				\$35,000		\$35,000	0		1		1		
2022	Hidden Farm Rd	Elvehjem Road	Orchard Hill Park Entrance	785	18	3		RC	\$393,250					\$393,300	3				3	This estimate amount assumes a 36' wide face-face road which would allow for parking on both sides of the road, with room for approximately 60 vehicles. The estimate also includes an 8-foot off-street path.	
2022	Card Ave	Larson Street	Bellevue Ct	1050	10	4		PUR	\$142,200			\$312,100		\$454,300	2		1		3	This estimate assumes the replacement of existing concrete pavement with asphalt.	
2022	Bellevue Ct	Card Ave / Termini	Bremer Rd	211	29	5	6	PUR	\$26,900			\$139,400		\$166,300	1		1		2	This project pairs well with Card Avenue.	
2022	Bremer Road	Lake Edge Rd	Lake Edge Plus 200'	200	29	5	6	PUR	\$14,600			\$84,140		\$98,800	1		1		2	There have been a large number of water main breaks in this area recently.	
2022	Stork Rd	Siggelkow Rd	Termini	2227	18	2	10	PR	\$145,000					\$145,000	3				3	This estimate includes a 2" layer of surface asphalt with minimal base improvements	
<b>Year Total</b>									<b>\$721,950</b>	<b>\$1,219,700</b>	<b>\$0</b>	<b>\$535,640</b>	<b>\$110,000</b>	<b>\$338,100</b>	<b>\$2,925,500</b>						
2023	Triangle Street	Siggelkow Rd plus 2700 feet	Voges	2609	40	6		RC		\$1,075,800				\$233,900	\$1,309,700	1		1	1	3	This estimate amount includes the installation of a new path for the length of the entire project.
2023	Dale Rd	Lake Edge Rd	USH 51	375	37	5	6	PUR	\$46,400			\$162,200		\$208,600	1		1		2		
2023	Paulson Rd	Termini	Siggelkow Road / Triangle Street	1600	24	3	6	PUR	\$394,600		\$123,500	\$773,800	\$134,300	\$1,426,200	3	1	1	1	6	This project includes a connection at current Termini that would allow for through-traffic.	
2023	Larson St	Erling Ave	Termini	751	28	4	9	PUR	\$113,400			\$188,500		\$301,900	2		1		3		
2023	Ivywood Trl	Terminal Dr	Termini	1170	36	5	6	PR	\$181,500					\$181,500	1				1	This project scope is for pulverize and overlay with some allowance for base repair.	
<b>Year Total</b>									<b>\$735,900</b>	<b>\$1,075,800</b>	<b>\$123,500</b>	<b>\$1,124,500</b>	<b>\$134,300</b>	<b>\$233,900</b>	<b>\$3,427,900</b>						

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments		
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total	
2024	Exchange Street	Sleepy Hollow Road	Farwell St				5	PUR	\$1,100,000		\$802,000	\$702,000	\$666,000		\$3,270,000	1	1	1	1	1	5	Partially funded by STP-URBAN grant. Amounts represent Village expenditures. Not included in year total where noted.	
2024	N Terminal Drive	Lift Station 4	USH 51	3500	32		5	RC		\$318,100				\$3,333,800	\$3,651,900	1				1		2	
2024	Broadhead Street/CTH MN Phase 4B	North Peninsula Way	CTH AB	1958	36		6	RC	\$290,300		\$617,900	\$273,600		\$1,181,800		1			1	1	3	Partially paid for by Dane County. Amounts represent Village expenditures.	
2024	Glen Rd	Larson St	Lakeview St	850	21		5	PUR	\$73,300		\$257,700			\$331,000		1		1			2		
2024	Yahara Dr	USH 51	Rivercrest Dr	581	32		5	PR	\$80,100					\$80,100		1				1	2		
2024	Dale St	Badger St	Termini	528	32		5	PUR	\$72,800		\$142,700			\$215,500		1		1			2		
2024	Dale St	Badger St	Lexington St	317	19		5	PUR	\$27,100		\$137,100			\$164,200		1		1			2		
2024	McFarland Ct	Terminal Dr	Termini	634	32		4	PR	\$87,500					\$87,500		2					2		
2024	Bird Song Ct	Morning Dove Dr	Termini	158	32		5	PR	\$21,800					\$21,800		1					1		
2024	Black Walnut Dr	Black Walnut Ct / Leanne Ln plus 316 ft	Wild Cherry Ln	106	36		5	PR	\$16,500					\$16,500		1					1		
<b>Year Total (Including Exchange Street)</b>									<b>\$1,390,300</b>	<b>\$318,100</b>	<b>\$802,000</b>	<b>\$1,319,900</b>	<b>\$939,600</b>	<b>\$3,333,800</b>	<b>\$8,103,700</b>								
<b>Year Total (Excludes Exchange Street)</b>									<b>\$669,400</b>	<b>\$318,100</b>	<b>\$0</b>	<b>\$1,155,400</b>	<b>\$273,600</b>	<b>\$3,333,800</b>	<b>\$5,750,300</b>								
2025	Marsh Rd	Red Oak Trl / Wellington Cir	Siggelkow Rd	739	44		5	PR	\$235,100					\$235,100		1				1	2	This estimate includes concrete pavement replacement at the intersection with Siggelkow	
2025	Marsh Rd	Eighmy Rd	Red Oak Trl / Wellington Cir	2000	42		5	PR	\$361,200					\$361,200		1					1		
<b>Year Total</b>									<b>\$596,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$596,300</b>								

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments			
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total		
2026	Lakeview Ave	Bremer Rd	Termini	686	22	3	9	PUR	\$79,900			\$235,300				\$315,200	3	1			4			
2026	South Ct	Burma Rd	Overlook Dr plus 600 ft	1200	18	3	9	PUR	\$145,400			\$330,200				\$475,600	3	1			4			
2026	Larson Beach Rd	Crossover USH 51	Bremer Rd / Lake Edge Rd	422	35	5	6	PR	\$65,800							\$65,800	1				1			
2026	Dale Curtian Rd	USH 51	Termini	600	32	5	6	PR	\$51,000							\$51,000	1				1			
2026	Osborn Dr	Running Deer Trl	Oak Hollow Dr	158	36	5	6	PR	\$24,600							\$24,600	1				1			
2026	Siggelkow Rd	CTH AB / Siggelkow Rd plus 601 ft	Pierce Rd / Siggelkow Rd	676	20	5	6	PR	\$58,200							\$58,200	1				1			
2026	Yahara Dr	Rivercrest Dr	Indian Mound Dr	422	32	5	6	PR	\$58,200							\$58,200	1				1			
2026	USH 51 prep	Dale Rd Xing & along USH 51						WR				\$681,100				\$681,100	0	1			1			
2026	South Ct	Overlook Dr plus 600 ft	Yahara Drive	550				W				\$121,000				\$121,000	0	1				This budget includes the addition of curb and gutter from Overlook Drive to the end		
2026	Severson Rd	Lake Edge Rd	Farwell St	650	32	5	6	PUR	\$80,700			\$108,400				\$189,100	1	1			2			
<b>Year Total</b>									<b>\$563,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,476,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,039,800</b>									
2027	Overlook Dr	Burma Rd / South Ct	South Ct	1373	18	3	9	PUR	\$141,300			\$370,800				\$512,100	3	1			4			
2027	Wisconsin Ave	Bremer Rd / Norma Rd	Termini	318	20	3	9	PUR	\$46,800			\$90,300				\$137,100	3	1			4			
2027	Field Ave	Erling Ave	Card Ave	650	42	4		PUR	\$96,100			\$158,400				\$254,500	2	1			3			
2027	Erling Ave	Bremer Rd	Terminal Dr	700	36	2		PUR	\$69,300			\$161,200				\$230,500	3	1			4			
2027	Wild Flower Ct	Country Walk / Forest Ridge Ct	Termini	264	32	5	6	PR	\$36,400							\$36,400	1				1			
2027	Lake Edge Dr	South Ct	loop	400	35	6		PUR	\$45,400			\$147,800				\$193,200	1	1			2			
2027	Beckler	Card Ave	Erling Ave	264	26	5		PR	\$29,600							\$29,600	1				1			
2027	Badger St	Dale St	Farwell St	350	32	5		PR	\$58,100							\$58,100	1				1			
<b>Year Total</b>									<b>\$523,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$928,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,451,500</b>									
2028	Morning Dove Dr	Hidden Farm Rd plus 422 ft	Country Walk / Spring Pond Ct	423	32	5	6	PR	\$58,400							\$58,400	1				1			
2028	Morning Dove Dr	Hidden Farm Rd	Bird Song Ct	320	32	5	6	PR	\$58,200							\$58,200	1				1			
2028	N Bremer Road	Erling Ave	Bellevue Ct	1000	32	6		PUR	\$114,500			\$469,700				\$584,200	1	1			2			
2028	Creamery Road	Creamery Court plus 350 ft	Country Walk	352	28	5		RC	\$307,065				\$187,744			\$494,900	1				1			
<b>Year Total</b>									<b>\$538,165</b>	<b>\$0</b>	<b>\$0</b>	<b>\$469,700</b>	<b>\$187,744</b>	<b>\$0</b>	<b>\$1,195,700</b>									

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments										
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total									
2029	Creamery Road	Country Walk	Country Walk plus 1000 ft	1000	28	5		RC	\$173,737							\$173,800	1					1									
2029	Black Walnut Dr	Wild Cherry Ln	Smith Ridge Rd	1267	36	6		PR	\$196,200							\$196,200	1						1								
2029	Black Walnut Dr	Smith Ridge Rd	Siggelkow Rd / Camcross Dr	1900	36	6		PR	\$294,200							\$294,200	1						1								
<b>Year Total</b>									<b>\$664,137</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$664,200</b>																
2030	Burma Rd	Overlook Dr / South Ct	USH51	640	32	4		PR	\$88,100							\$88,100	2						2								
2030	Ahren Ln	Meredith Way	Exchange St	528	32	7		PR	\$72,700							\$72,700	0						0								
2030	S Bremer Road	Larson Beach Rd plus 200 ft	Bellevue Ct	1200	32	7		PUR	\$190,800			\$512,400				\$703,200	0		1				1								
2030	Brandt Rd	CTH AB	Termini	528	16	4		PR	\$36,400							\$36,400	2						2								
2030	Brendan Ct	Termini	Meredith Way	211	32	7		PR	\$29,100							\$29,100	0						0								
2030	Cardinal Dr	Curtis St	Sauk Ln	739	36	6		PR	\$114,400							\$114,400	1						1								
2030	Calico Ct	Marsh Rd / Calico Dr	Termini	580	32	5		PR	\$79,900							\$79,900	1						1								
2030	Norma Rd	Termini	Bremer Rd / Wisconsin Ave	898	36	4	9	PUR	\$105,921			\$298,505				\$404,500	2		1				3								
<b>Year Total</b>									<b>\$717,321</b>	<b>\$0</b>	<b>\$0</b>	<b>\$810,905</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,528,300</b>																
<b>TOTAL FOR YEARS 0-8 (Excludes Exchange Street)</b>									<b>\$5,729,974</b>	<b>\$2,613,600</b>	<b>\$123,500</b>	<b>\$6,500,645</b>	<b>\$705,644</b>	<b>\$3,905,800</b>	<b>\$19,579,500</b>																
<b>TOTAL FOR YEARS 0-8 (Includes Exchange Street)</b>									<b>\$6,450,874</b>	<b>\$2,613,600</b>	<b>\$925,500</b>	<b>\$6,665,145</b>	<b>\$1,371,644</b>	<b>\$3,905,800</b>	<b>\$21,932,900</b>																

  
**VILLAGE OF**  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 2021

**SECTION:** Business

**DEPARTMENT:** Public Works

**CONTACT:** Jim Hessling, Public Works Director, Lee Igl, Streets/Utilities Superintendent

**AGENDA ITEM:** Discussion and action to make a recommendation to the Village Board regarding 2022 Storm Sewer Improvements project and authorize for bid.

**PREVIOUS ACTION:**

None.

**ISSUE SUMMARY:**

**Osborn Storm Water Pond**

The storm water structure situated along the railroad tracks, southwest of the intersection of Osborn Drive and Glenway Street, is failing. This concrete and block structure receives storm water from the area and transports it under the railroad tracks to the marsh area on Creamery Road. The work involved would include the rebuilding and/or possible replacement of the current structure.

**Terminal Drive Storm Water Outfall**

The outfall area of the storm water discharge pipe on the west side of Terminal Drive at the railroad bridge is eroding. Work here will involve shoring up the area with materials to help prevent future erosion issues. This pipe collects water from the vicinity of the public works center and conveys it onto railroad property.

**FINANCIAL/BUDGET IMPACT:**

Funds for this work will be paid out of Capital Funds. Town & Country estimates that the Terminal Drive portion will be \$35,000 and the Osborn Pond will be \$75,000.

**VILLAGE PLAN REFERENCE:**

Long Range CIP 12.10.2021

**ORDINANCE REFERENCE:**

None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

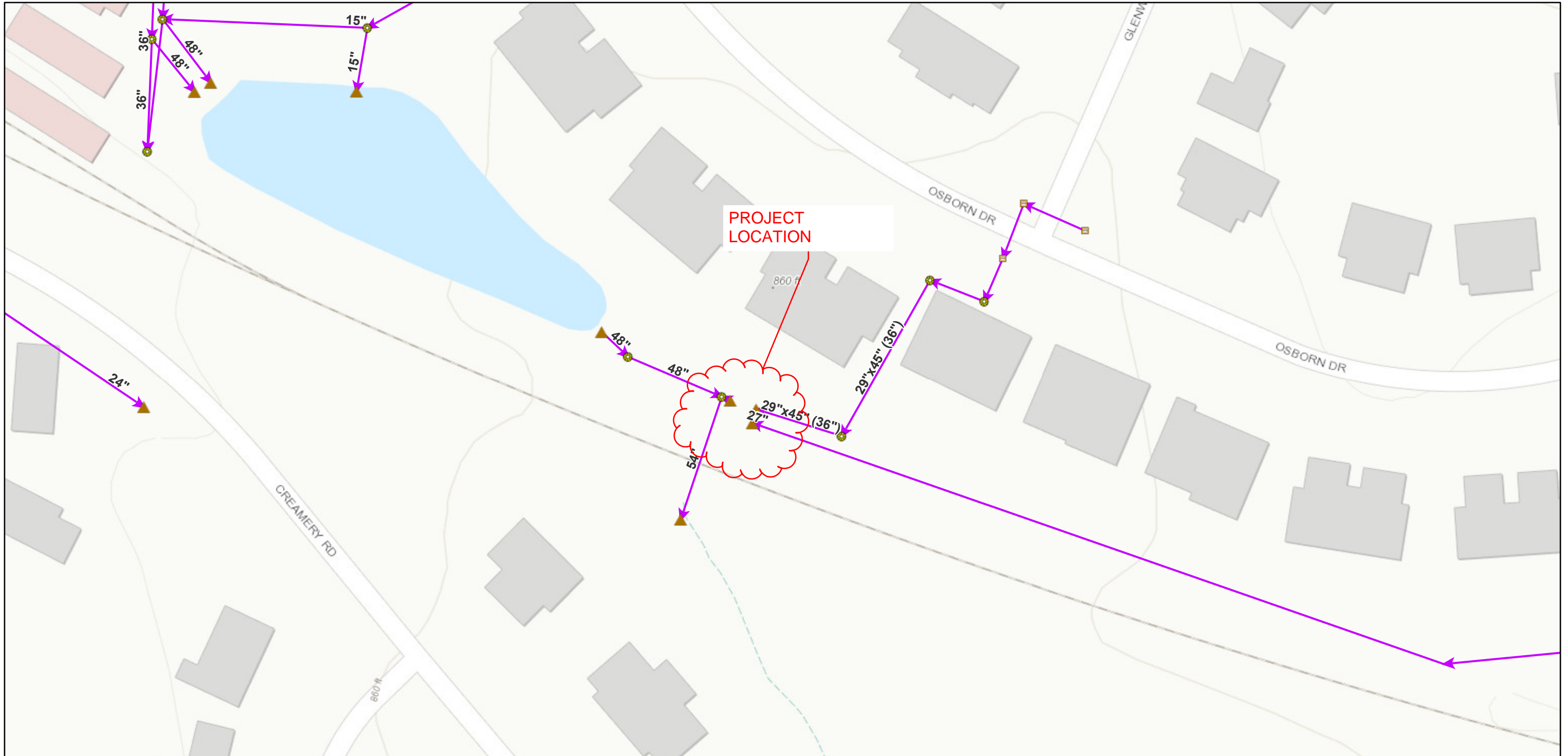
Recommend approval to the Village Board regarding the 2022 Storm Sewer Improvements project.

**ATTACHMENTS:**







1. Osborn Drive Outfall
2. Long Range CIP- 12.10.2021
3. Terminal Drive Rail Bridge Outfall

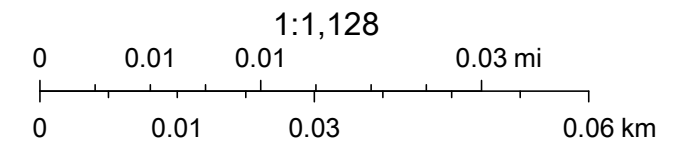
2022 STORM WATER IMPROVEMENTS  
 OSBORN POND OUTFALL  
 CONCEPT PLANS



12/14/2021, 6:41:26 AM

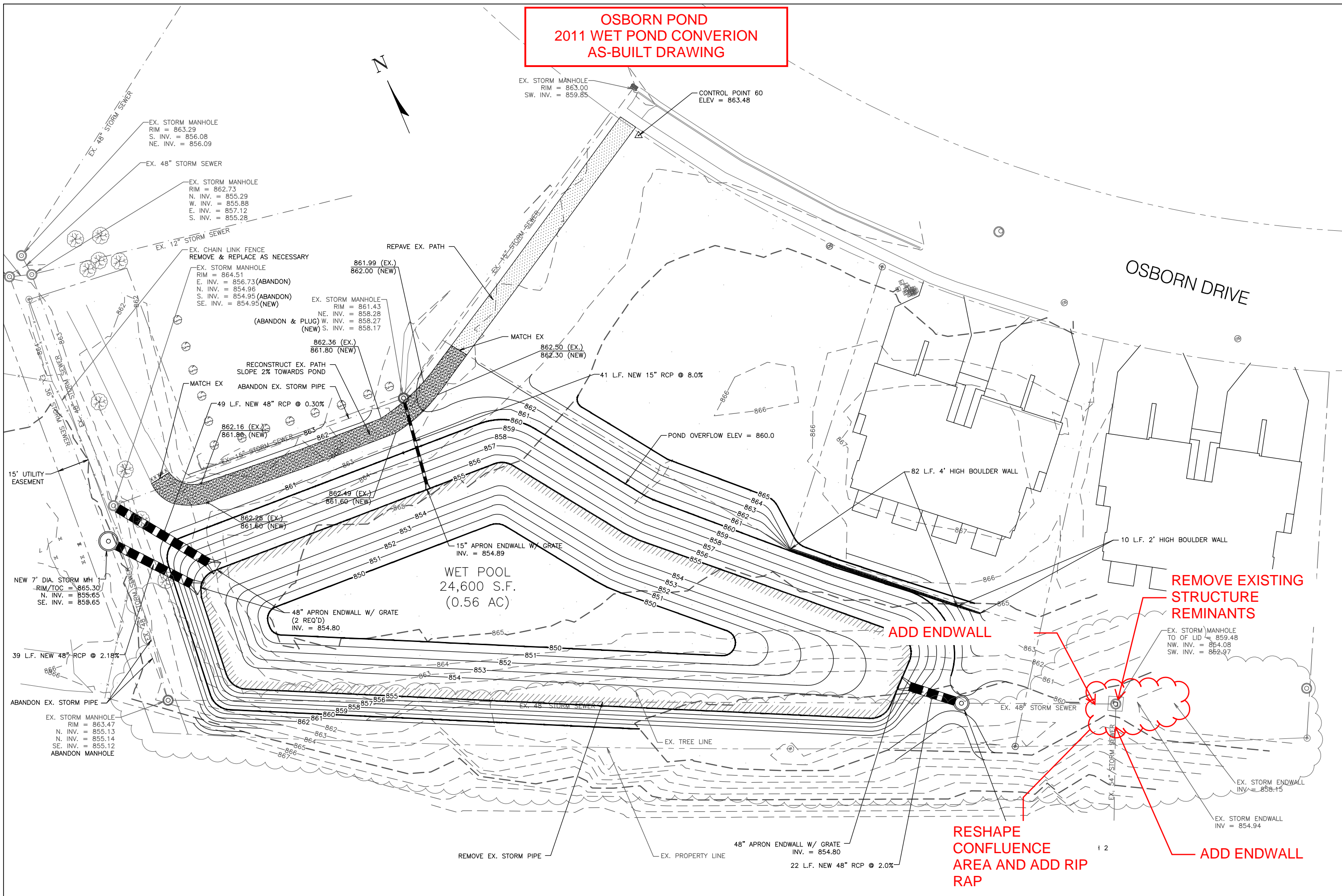
Storm Appurtenances

-  Endwall
-  Manhole
-  Street Inlet
-  Storm Pipes



County of Dane, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

**OSBORN POND  
2011 WET POND CONVERSION  
AS-BUILT DRAWING**



**ADD ENDWALL**

**RESHAPE  
CONFLUENCE  
AREA AND ADD RIP  
RAP**

**REMOVE EXISTING  
STRUCTURE  
REMINANTS**

**ADD ENDWALL**

PROJECT NO.:	MC 46
DRAWING FILE:	MC46 REVISED.DWG
DRAWN BY:	JLJ
CHECKED BY:	MAB
DATE:	8-8-11
REVISIONS:	
SCALE:	0 5 10 20
SHEET:	3

OSBORN  
STORMWATER  
POND IS BEHIND  
THIS BERM

ADD ENDWALL

THIS PHOTO IS FACING NW

REMOVE EXISTING  
STRUCTURE  
REMINANTS

REMOVE PIPE

ADD ENDWALL

THIS PHOTO IS FACING SE

EXISTING ENDWALL  
TO REMAIN

EXISTING ENDWALL  
TO REMAIN



Village of McFarland  
 Conceptual Project List in Approximate Priority Order  
 Long Range ROW Infrastructure Improvements Plan  
 12/10/2021

- Notes:  
 1. Pavement scores are WISLR output. The Village will almost certainly want/need to adjust this to accommodate other priorities.  
 2. WISLR does not do "first worst" ordering, but takes into account many other factors. (0-10 rating, 10 = new)  
 3. WISLR Model makes broad assumptions about curb repair and driveway aprons, nor does it factor in sidewalks or any underground needs.  
 4. Costs shown assumed entire scope described, and will need adjustment if scope is changed.  
 5. This list includes projects funded by TID/TIF sources.  
 6. This list assumes an approximate annual general fund expenditure of \$500,000.  
 7. PR= Pavement Rehabilitation, SSR= Storm Sewer Rehabilitation, PUR= Pavement and Utility Rehabilitation, WR= Water Main Replacement, W= New Watermain, RC= Rural Conversion  
 8. Project costs assume that 50% of street replacement costs for projects that include water main replacement will be funded by the Water Utility.  
 9. Project costs assume 25% curb replacement.

- Project Point Scoring System**  
 10. 0= Rating above 6, 1= Rating 5 or 6, 2= Rating of 4, 3= Rating 3 or lower  
 11. 1= Projects with known sewer replacement needs  
 12. 1= Projects with known water replacement needs, water main greater than 50 years old, or main size 6-inches or less  
 13. 1= Projects with known storm sewer issues and needs  
 14. 1= Project with bicycle and pedestrian system needs identified in the Comprehensive Plan.  
 15. A previous iteration of this document was accepted by the Village Board on 08.23.21. This is a living document and as such is continually updated as additional project details become known.

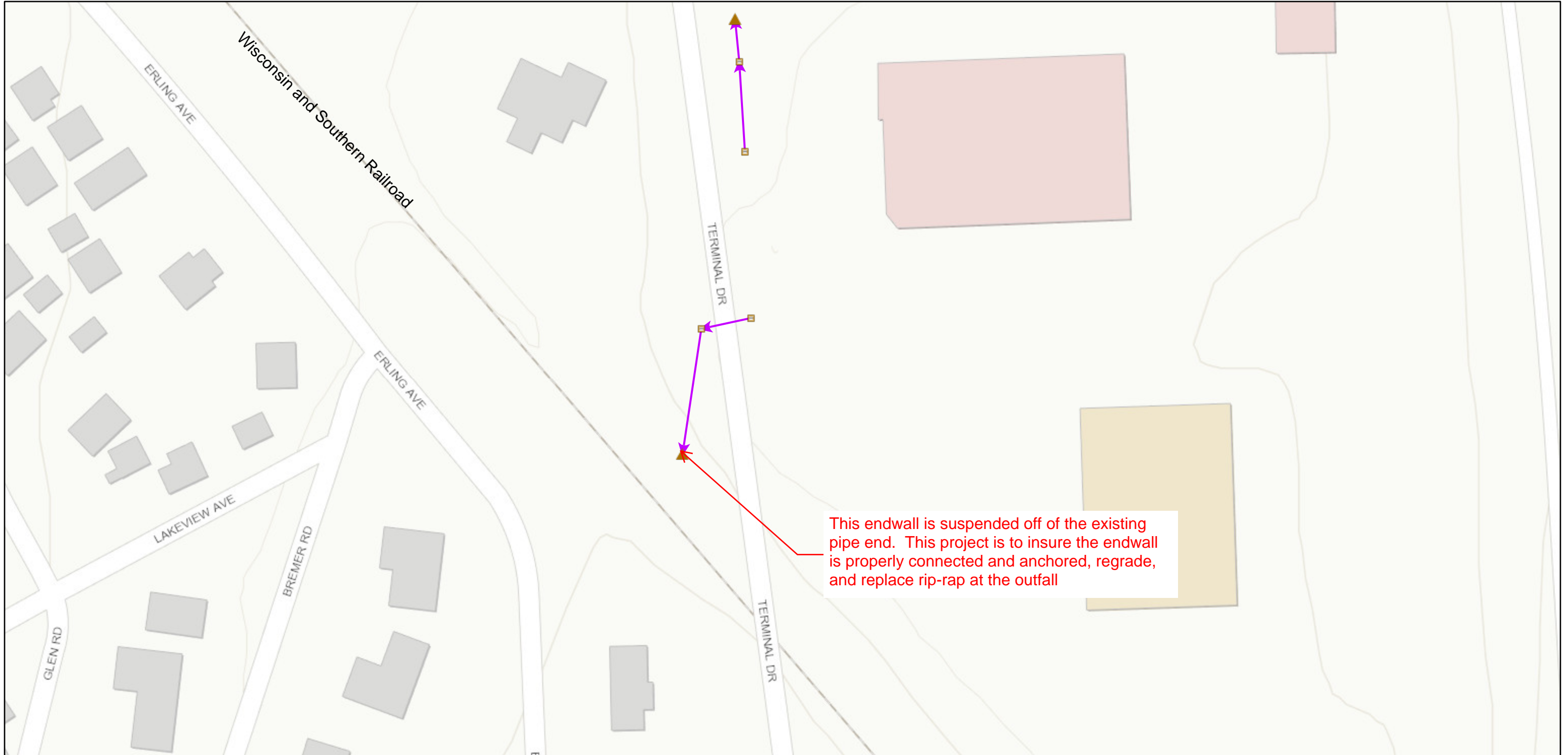
Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments				
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non-Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total			
2022	S Terminal Drive	Lift Station 4	Siggelkow Road	1715	32	5	6	RC	\$1,219,700						\$338,100	\$1,557,800	1			1		2			
2022	Osborn Pond	Behind 557x Osborn Drive						SSR					\$75,000		\$75,000	0				1		1			
2022	Terminal Drive	Railroad bridge						SSR					\$35,000		\$35,000	0				1		1			
2022	Hidden Farm Rd	Elvehjem Road	Orchard Hill Park Entrance	785	18	3		RC	\$393,250						\$393,300	3						3	This estimate amount assumes a 36' wide face-face road which would allow for parking on both sides of the road, with room for approximately 60 vehicles. The estimate also includes an 8-foot off-street path.		
2022	Card Ave	Larson Street	Bellevue Ct	1050	10	4		PUR	\$142,200			\$312,100			\$454,300	2		1				3	This estimate assumes the replacement of existing concrete pavement with asphalt.		
2022	Bellevue Ct	Card Ave / Termini	Bremer Rd	211	29	5	6	PUR	\$26,900			\$139,400			\$166,300	1		1				2	This project pairs well with Card Avenue.		
2022	Bremer Road	Lake Edge Rd	Lake Edge Plus 200'	200	29	5	6	PUR	\$14,600			\$84,140			\$98,800	1		1				2	There have been a large number of water main breaks in this area recently.		
2022	Stork Rd	Siggelkow Rd	Termini	2227	18	2	10	PR	\$145,000						\$145,000	3						3	This estimate includes a 2" layer of surface asphalt with minimal base improvements		
<b>Year Total</b>									<b>\$721,950</b>	<b>\$1,219,700</b>	<b>\$0</b>	<b>\$535,640</b>	<b>\$110,000</b>	<b>\$338,100</b>	<b>\$2,925,500</b>										
2023	Triangle Street	Siggelkow Rd plus 2700 feet	Voges	2609	40	6		RC		\$1,075,800				\$233,900	\$1,309,700	1				1	1	3	This estimate amount includes the installation of a new path for the length of the entire project.		
2023	Dale Rd	Lake Edge Rd	USH 51	375	37	5	6	PUR	\$46,400			\$162,200			\$208,600	1		1				2			
2023	Paulson Rd	Termini	Siggelkow Road / Triangle Street	1600	24	3	6	PUR	\$394,600		\$123,500	\$773,800	\$134,300		\$1,426,200	3	1	1	1			6	This project includes a connection at current Termini that would allow for through-traffic.		
2023	Larson St	Erling Ave	Termini	751	28	4	9	PUR	\$113,400			\$188,500			\$301,900	2		1				3			
2023	Ivywood Trl	Terminal Dr	Termini	1170	36	5	6	PR	\$181,500						\$181,500	1						1	This project scope is for pulverize and overlay with some allowance for base repair.		
<b>Year Total</b>									<b>\$735,900</b>	<b>\$1,075,800</b>	<b>\$123,500</b>	<b>\$1,124,500</b>	<b>\$134,300</b>	<b>\$233,900</b>	<b>\$3,427,900</b>										

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments	
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total
2024	Exchange Street	Sleepy Hollow Road	Farwell St				5	PUR	\$1,100,000		\$802,000	\$702,000	\$666,000		\$3,270,000	1	1	1	1	1	5	Partially funded by STP-URBAN grant. Amounts represent Village expenditures. Not included in year total where noted.
2024	N Terminal Drive	Lift Station 4	USH 51	3500	32	5		RC		\$318,100				\$3,333,800	\$3,651,900	1			1		2	
2024	Broadhead Street/CTH MN Phase 4B	North Peninsula Way	CTH AB	1958	36	6		RC	\$290,300		\$617,900	\$273,600		\$1,181,800		1			1	1	3	Partially paid for by Dane County. Amounts represent Village expenditures.
2024	Glen Rd	Larson St	Lakeview St	850	21	5	6	PUR	\$73,300		\$257,700			\$331,000		1		1			2	
2024	Yahara Dr	USH 51	Rivercrest Dr	581	32	5	7	PR	\$80,100					\$80,100		1				1	2	
2024	Dale St	Badger St	Termini	528	32	5	6	PUR	\$72,800		\$142,700			\$215,500		1		1			2	
2024	Dale St	Badger St	Lexington St	317	19	5	6	PUR	\$27,100		\$137,100			\$164,200		1		1			2	
2024	McFarland Ct	Terminal Dr	Termini	634	32	4	9	PR	\$87,500					\$87,500		2					2	
2024	Bird Song Ct	Morning Dove Dr	Termini	158	32	5	6	PR	\$21,800					\$21,800		1					1	
2024	Black Walnut Dr	Black Walnut Ct / Leanne Ln plus 316 ft	Wild Cherry Ln	106	36	5	6	PR	\$16,500					\$16,500		1					1	
<b>Year Total (Including Exchange Street)</b>									<b>\$1,390,300</b>	<b>\$318,100</b>	<b>\$802,000</b>	<b>\$1,319,900</b>	<b>\$939,600</b>	<b>\$3,333,800</b>	<b>\$8,103,700</b>							
<b>Year Total (Excludes Exchange Street)</b>									<b>\$669,400</b>	<b>\$318,100</b>	<b>\$0</b>	<b>\$1,155,400</b>	<b>\$273,600</b>	<b>\$3,333,800</b>	<b>\$5,750,300</b>							
2025	Marsh Rd	Red Oak Trl / Wellington Cir	Siggelkow Rd	739	44	5	6	PR	\$235,100					\$235,100		1				1	2	This estimate includes concrete pavement replacement at the intersection with Siggelkow
2025	Marsh Rd	Eighmy Rd	Red Oak Trl / Wellington Cir	2000	42	5	6	PR	\$361,200					\$361,200		1					1	
<b>Year Total</b>									<b>\$596,300</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$596,300</b>							

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments			
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total		
2026	Lakeview Ave	Bremer Rd	Termini	686	22	3	9	PUR	\$79,900			\$235,300				\$315,200	3	1			4			
2026	South Ct	Burma Rd	Overlook Dr plus 600 ft	1200	18	3	9	PUR	\$145,400			\$330,200				\$475,600	3	1			4			
2026	Larson Beach Rd	Crossover USH 51	Bremer Rd / Lake Edge Rd	422	35	5	6	PR	\$65,800						\$65,800	1					1			
2026	Dale Curtian Rd	USH 51	Termini	600	32	5	6	PR	\$51,000						\$51,000	1					1			
2026	Osborn Dr	Running Deer Trl	Oak Hollow Dr	158	36	5	6	PR	\$24,600						\$24,600	1					1			
2026	Siggelkow Rd	CTH AB / Siggelkow Rd plus 601 ft	Pierce Rd / Siggelkow Rd	676	20	5	6	PR	\$58,200						\$58,200	1					1			
2026	Yahara Dr	Rivercrest Dr	Indian Mound Dr	422	32	5	6	PR	\$58,200						\$58,200	1					1			
2026	USH 51 prep	Dale Rd Xing & along USH 51						WR				\$681,100			\$681,100	0	1				1			
2026	South Ct	Overlook Dr plus 600 ft	Yahara Drive	550				W				\$121,000			\$121,000	0	1					This budget includes the addition of curb and gutter from Overlook Drive to the end		
2026	Severson Rd	Lake Edge Rd	Farwell St	650	32	5	6	PUR	\$80,700			\$108,400			\$189,100	1	1				2			
<b>Year Total</b>									<b>\$563,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,476,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,039,800</b>									
2027	Overlook Dr	Burma Rd / South Ct	South Ct	1373	18	3	9	PUR	\$141,300			\$370,800			\$512,100	3	1				4			
2027	Wisconsin Ave	Bremer Rd / Norma Rd	Termini	318	20	3	9	PUR	\$46,800			\$90,300			\$137,100	3	1				4			
2027	Field Ave	Erling Ave	Card Ave	650	42	4		PUR	\$96,100			\$158,400			\$254,500	2	1				3			
2027	Erling Ave	Bremer Rd	Terminal Dr	700	36	2		PUR	\$69,300			\$161,200			\$230,500	3	1				4			
2027	Wild Flower Ct	Country Walk / Forest Ridge Ct	Termini	264	32	5	6	PR	\$36,400						\$36,400	1					1			
2027	Lake Edge Dr	South Ct	loop	400	35	6		PUR	\$45,400			\$147,800			\$193,200	1	1				2			
2027	Beckler	Card Ave	Erling Ave	264	26	5		PR	\$29,600						\$29,600	1					1			
2027	Badger St	Dale St	Farwell St	350	32	5		PR	\$58,100						\$58,100	1					1			
<b>Year Total</b>									<b>\$523,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$928,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,451,500</b>									
2028	Morning Dove Dr	Hidden Farm Rd plus 422 ft	Country Walk / Spring Pond Ct	423	32	5	6	PR	\$58,400						\$58,400	1					1			
2028	Morning Dove Dr	Hidden Farm Rd	Bird Song Ct	320	32	5	6	PR	\$58,200						\$58,200	1					1			
2028	N Bremer Road	Erling Ave	Bellevue Ct	1000	32	6		PUR	\$114,500			\$469,700			\$584,200	1	1				2			
2028	Creamery Road	Creamery Court plus 350 ft	Country Walk	352	28	5		RC	\$307,065			\$187,744			\$494,900	1					1			
<b>Year Total</b>									<b>\$538,165</b>	<b>\$0</b>	<b>\$0</b>	<b>\$469,700</b>	<b>\$187,744</b>	<b>\$0</b>	<b>\$1,195,700</b>									




Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action <sup>7</sup>	PROJECT COSTS							PROJECT SCORING					General Comments										
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street <sup>10</sup>	Sewer <sup>11</sup>	Water <sup>12</sup>	Storm <sup>13</sup>	Ped and Bike <sup>14</sup>		Total									
2029	Creamery Road	Country Walk	Country Walk plus 1000 ft	1000	28	5		RC	\$173,737							\$173,800	1					1									
2029	Black Walnut Dr	Wild Cherry Ln	Smith Ridge Rd	1267	36	6		PR	\$196,200							\$196,200	1						1								
2029	Black Walnut Dr	Smith Ridge Rd	Siggelkow Rd / Carncross Dr	1900	36	6		PR	\$294,200							\$294,200	1						1								
<b>Year Total</b>									<b>\$664,137</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$664,200</b>																
2030	Burma Rd	Overlook Dr / South Ct	USH51	640	32	4		PR	\$88,100							\$88,100	2						2								
2030	Ahren Ln	Meredith Way	Exchange St	528	32	7		PR	\$72,700							\$72,700	0						0								
2030	S Bremer Road	Larson Beach Rd plus 200 ft	Bellevue Ct	1200	32	7		PUR	\$190,800			\$512,400				\$703,200	0		1				1								
2030	Brandt Rd	CTH AB	Termini	528	16	4		PR	\$36,400							\$36,400	2						2								
2030	Brendan Ct	Termini	Meredith Way	211	32	7		PR	\$29,100							\$29,100	0						0								
2030	Cardinal Dr	Curtis St	Sauk Ln	739	36	6		PR	\$114,400							\$114,400	1						1								
2030	Calico Ct	Marsh Rd / Calico Dr	Termini	580	32	5		PR	\$79,900							\$79,900	1						1								
2030	Norma Rd	Termini	Bremer Rd / Wisconsin Ave	898	36	4	9	PUR	\$105,921			\$298,505				\$404,500	2		1				3								
<b>Year Total</b>									<b>\$717,321</b>	<b>\$0</b>	<b>\$0</b>	<b>\$810,905</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,528,300</b>																
<b>TOTAL FOR YEARS 0-8 (Excludes Exchange Street)</b>									<b>\$5,729,974</b>	<b>\$2,613,600</b>	<b>\$123,500</b>	<b>\$6,500,645</b>	<b>\$705,644</b>	<b>\$3,905,800</b>	<b>\$19,579,500</b>																
<b>TOTAL FOR YEARS 0-8 (Includes Exchange Street)</b>									<b>\$6,450,874</b>	<b>\$2,613,600</b>	<b>\$925,500</b>	<b>\$6,665,145</b>	<b>\$1,371,644</b>	<b>\$3,905,800</b>	<b>\$21,932,900</b>																

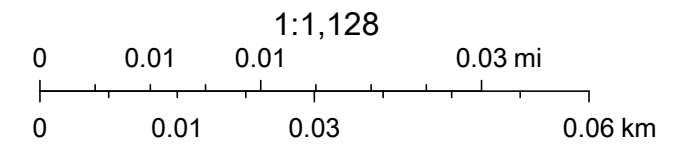
2022 STORM WATER IMPROVEMENTS  
 TERMINAL DRIVE BRIDGE ENDWALL REPAIR  
 CONCEPT PLANS



12/14/2021, 6:44:11 AM

Storm Appurtenances

-  Endwall
-  Street Inlet
-  Storm Pipes



County of Dane, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA



  
**VILLAGE OF**  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 2021

**SECTION:** Business

**DEPARTMENT:** Public Works

**CONTACT:** Aimee Irwin, Assistant to the Public Works Director, Jim Hessling,  
Public Works Director

**AGENDA ITEM:** Discussion and action to make a recommendation to the Village Board regarding the issuance of a Request for Proposal (RFP) for meter replacement installation services.

**PREVIOUS ACTION:**

The Public Utilities Committee and Village Board approved upgrading the meter reading process to a cellular AMI format and to contract with a company for the installation over a three-year period on August 10, 2021 and August 23, 2021, respectively.

**ISSUE SUMMARY:**

The Public Utilities Committee had previously reviewed various options for the future of meter reading for the utility. The option selected by the Committee and subsequently approved by the Village Board would result in upgrading the process from a mobile drive-by reading to an AMI cellular reading format. Included within the packet is a Request for Proposal (RFP) to obtain meter replacement installation services. The RFP includes the scope of services and a three-year time period to complete the upgrade to the new format.

Staff are seeking approval from the Committee to issue the RFP. Proposals received will be reviewed and brought back to the Committee for award of contract in February 2022.

**FINANCIAL/BUDGET IMPACT:**

**VILLAGE PLAN REFERENCE:**

None.

**ORDINANCE REFERENCE:**

None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

Recommend approval to the Village Board regarding the issuance of the enclosed RFP for meter replacement installation services.

**ATTACHMENTS:**

1. Meter Replacement Installation RFP



## **Request For Proposals**

### **Water Meter Replacement Installation**

RFP Issuance Date: January 25, 2022

RFP Due Date: February 25, 2022

*Please Submit to:*

Public Works Director, Jim Hessling

[public.works@mcfarland.wi.us](mailto:public.works@mcfarland.wi.us)

## Section 1 Purpose

The purpose and intent of this Request for Proposal (RFP) is to solicit proposals from qualified Contractor(s) to provide water meter replacement and installation services for the Village of McFarland Water Utility. The proposal(s) are required to meet the scope of services detailed within. The Village is requesting proposal(s) for a three year contract with one contractor completing the entire project.

## Section 2 Background

The Village of McFarland Water Utility is implementing a system change from Itron/FCS to Beacon/Orion Cellular software and equipment while continuing to utilize Badger Meter products. The utility has experienced failures in meter reading due to the battery life of endpoints within the system. The Village plans to implement this change over a three year period focusing on 50W endpoints in year one (1682 meters), 60W endpoints in year two (973 meters) and 100W endpoints in year three (814 meters). The utility currently operates in two cycles for billing purposes with approximately half of the Village split between Cycle 1 and Cycle 2.

### Meter & Endpoint data (as of December 2, 2021)

Size of Meter	50W Endpoint	60W Endpoint	100W Endpoint
5/8 inch	<b>1619</b>	<b>931</b>	<b>790</b>
3/4 inch	<b>0</b>	<b>1</b>	<b>0</b>
1 inch	<b>27</b>	<b>19</b>	<b>8</b>
1.5 inch	<b>27</b>	<b>9</b>	<b>6</b>
2 inch	<b>9</b>	<b>3</b>	<b>7</b>
3 inch	<b>0</b>	<b>8</b>	<b>3</b>
4 inch	<b>0</b>	<b>2</b>	<b>0</b>

### Customer Type data (as of December 2, 2021)

Commercial	Multi-Family	Public Authority	Residential	<b>Grand Total</b>
223	58	29	3159	<b>3469</b>

## Section 3            Scope of Services

- A. The contractor will provide the following services when exchanging water meters:
- a. Contractor will devise a postal notification letter to inform metered customers of required meter replacement during a specific date range specified in the letter. Letter shall be approved by the Village to use by the contractor and include Village branding. Notification letter to include advising owner/occupant of temporary water disconnection and responsibilities of owner for providing unobstructed access to within 8 feet surrounding the existing water meter including operational valves for shut off.
  - b. Contractor must send postal notification letters to designated water customer addresses to ensure necessary meter replacement appointments are confirmed.
  - c. Contractor must devise and host a dedicated website page for setting appointments with water customers at specific intervals during normal business hours. Water customers must have access to schedule their own appointments via a free and secure appointment website system. Website link must be presented on postal notices and Village website.
  - d. Contractor must provide designated Village staff with online access to the live appointment schedule system.
  - e. Contractor must provide a full-time Toll Free number phone support for customer questions and appointment requests by Contractors Administration staff. Direct phone contact to contractor staff will be available during normal business hours, five days per week excluding holidays.
  - f. Contractor will be required to make 2 attempts to establish an appointment for meter replacement at each address. After 2 attempts, the Village will continue attempts until replacement occurs. Definition of attempts:
    - i. 1<sup>st</sup> Postal Notice
    - ii. 2<sup>nd</sup> Postal Notice
    - iii. 3<sup>rd</sup> Village

- g. Contractor will document in electronic format; relevant identification numbers and meter readings of each existing and new meter installed. Each digital record will be required to include a digital image of the old meter and new meter installed for account reference including property address.
- h. Contractor will provide identification to the property owner upon arrival.
- i. Contractor will install new water meter, associated fittings and gaskets as provided by the Village or supplier.
- j. Contractor will verify activation of each meter installed, re-establish water supply and verify full water pressure at nearest tap for 30 seconds and include GPS location of each meter as indicated on handheld.
- k. Contractor must respond to reported leaks at meter junction or service control valve within 24 hours (Monday-Saturday) after the incident has been reported to the Village.
- l. Contractor must deliver removed (old) meters, transmitters and wiring to designated area of the Public Works building on a daily basis or alternate site provided by the Village.
- m. Contractor will retrieve new meters, fittings and gaskets as provided by the Village and/or supplier on a daily basis during normal working hours. New meters will be available in a designated area at the Public Works building, or alternate location.
- n. Contractor will provide ongoing progress meter replacement status reporting during the contract period on a weekly basis.
- o. Contractor will provide a report of all homes with sump pumps. The report will specify if plumbed correctly or incorrectly.
- p. Contractor must record and be able to report on the type of water service material and the size of service along with pictures and serial numbers of old and new meters.
- q. Contractor will notify the Village of any violations found during installation process at property locations.
- r. Contractor will complete the annual replacement in five to six months from initial start of installation procedures.
- s. Contractor will begin installation procedures within 30 days of substantial delivery of meter supplies to the Village.

- B. The contractor will provide the following Cross Connection Control Inspection services when exchanging residential water meters:
- a. Contractor will perform a comprehensive cross connection control inspection at each residential home where water meters are replaced. The inspection will not be applicable to Commercial, Public Authority or Multi-Family locations.
  - b. Contractor will document and inventory all backflow prevention assemblies, devices, and methods during the on-site survey and be made available in an electronic and Excel format to the Village.
  - c. Contractor will inventory and document all existing backflow prevention devices on the outside and around the water meter for proper installation.
  - d. Contractor will generate all inspection notifications for non-compliant homeowners informing them of installation requirements or required corrective action. Specific plumbing code reference and written corrective action recommendations must be included for each non-compliant home. A detailed corrective action report for each non-compliant residential home must be provided to the Village.
  - e. Contractor will provide full-time and Toll-Free phone call support for customer questions. Phones must be staffed during normal business hours between Monday through Friday. An automatic message service must be provided for after hour calls.
  - f. Contractor will document a degree of hazard and appropriate future re-survey frequency upon completion of each survey.
  - g. Contractor will provide a comprehensive summary of all cross-connection inspections completed and compliance status in electronic and Excel format to the Village. Records will also be accessible via secured website and include property address.
  - h. Contractor must record any private wells found and make sure not connected to public supply. Private wells will be reported to Village.
  - i. Contractor must provide a full time employed individual, or individuals to oversee the project with American Society of Sanitary Engineering credentials (ASSE) 5120 and 5150 along with holding a masters plumbing license in the state of Wisconsin.

- 1) **Qualification Details consisting of:**
  - a. Cover Letter
  - b. Experience—A summary of two to five similar relevant projects that the applicant has conducted within the last ten years.
  - c. References—Provide three or more client references for which the applicant has conducted similar projects for within the last ten years. Include name, title, email and phone number of the contact person.
- 2) **Technical Proposal consisting of:**
  - a. A description of the approach to be taken toward completion of each item listed under Section 3 of this RFP. An explanation of any variances to the proposed Scope of Work as outlined in the RFP.
- 3) **Project Management plan consisting of:**
  - a. Key Personnel—A list or organization chart of personnel directly assigned to the project, along with responsibilities. Clearly illustrate the responsibilities and lines of communication. Describe your plan to interface with the Village staff. The main contact for the project including name, email and phone number.
  - b. Village Staff Commitments—Identify those items within the Scope of Work for which the contractor anticipates assistance by Village Staff. Village Staff will provide a point of contact for public inquires during the planning process and provide public outreach and updates during the project phase.
  - c. Project Schedule—A proposed schedule that indicates project timeline for completion of the entire project.
  - d. Supplemental Information—Any other information deemed necessary to address the requests of this RFP.
- 4) **Cost Proposal consisting of:**
  - a. Cost—Price per meter to complete this project on an annual basis.
  - b. Estimated Labor Hours—A summary of estimated labor hours by team members to perform the necessary functions of this project.
  - c. Additional Scope/Fee—Additional fees associated with additional work outside of the scope of services

5) **General requirements consisting of:**

- a. Due Date—Responses to the RFP must be received by 12:00 PM CST on February 2, 2022. Proposals received late, for any reason, shall not be accepted.
- b. Format & Location—Prospective contractors shall provide an electronic PDF submitted via email to the Public Works Director at [public.works@mcfarland.wi.us](mailto:public.works@mcfarland.wi.us), subject: Water Meter Replacement Installation RFP.
- c. Property—All information developed as part of this RFP, including data, shall become the property of the Village upon completion of the project. All text shall be submitted electronically as is most convenient. All original data generated as a part of the RFP shall be submitted to the Village in an easily reproducible hardcopy and electronic format as applicable.

## Section 5 Evaluation Criteria

The following criteria will be used to evaluate each proposal submitted:

- Key Personnel (10 points). Experience and qualifications relevant to key personnel and their associated project responsibilities.
- Project Experience (15 points). Level of experience completing similar projects with similar entities.
- Scope of Work (10 points). Level of responsiveness and technical approaches to the scope of work outlined within the RFP. Demonstration of knowledge and innovative approaches particular to the desired Scope of Work.
- Cost Effectiveness (25 points). Ability to meet budget/value as related to proposed and additional costs.
- Project Schedule (30 points). Ability to be responsive in meeting schedule required to complete scope of work. Quality, clarity and creativity of proposed planning process.
- Quality of Submittal (10 points). Quality, clarity and completeness of submittal package. Contractors shall not submit verbatim sections of this RFP as their proposal.

## Section 6 Method and Timeline of Selection

The Village Administrator, Public Works Director, and Public Works staff will conduct the evaluation of proposals submitted. They will make a recommendation to the Public Utilities Committee who will make the final recommendation to the Village Board for action. The following method and timeline will be utilized in order to select the desired proposal:

- **January 25<sup>th</sup> – RFP Issuance Date**
- **February 25<sup>th</sup> –RFP Due Date**
- **February 28<sup>th</sup> – March 11<sup>th</sup> –Evaluation**
- **March 15<sup>th</sup> –Public Utilities Committee.** The Committee will consider the recommendation of staff in order to make their own recommendation to the Village Board.
- **March 28<sup>th</sup> – Village Board.** The Board will take final action to consider acceptance of the recommended proposal and enter into a contract for this purpose.
- **May 2<sup>nd</sup>—Commence Work**

## Section 7            Terms and Conditions

Each proposal will be reviewed to determine if it meets the submittal requirements contained within this RFP. Failure to meet the requirements for the RFP can be cause for rejection of the proposal. The Village may reject any proposal if it is conditional, incomplete, contains irregularities, or if in the sole discretion of the Village not considered in our best interest. The Village may waive an immaterial deviation in a proposal, but this shall in no way modify the proposal document or excuse the Contractor from compliance with the contract requirements if the Contractor is awarded a contract. A prospective Contractor may be requested for an interview at the sole discretion of the Village. The recommended Contractor will be selected and approved by the Village Board.

The Village uses a standard template contract for such services and will require its utilization for this project. A copy of the standard template can be provided for review upon request and will be updated to adapt to the proposal ultimately selected.

There is no expressed or implied obligation for the Village to reimburse firms for any expenses incurred in preparing proposals in response to this request. Materials submitted by respondents are subject to public inspection under Wisconsin law. Any language purporting to render the entire proposal confidential or proprietary will be ineffective and will be disregarded.

The Village will not discriminate against individuals due to sex, race, religion, creed, color, national origin, age, disability, sexual orientation, ancestry, marital status, arrest or conviction record, military service, or any other characteristics protected by law. This applies to all Contractors submitting proposals to this project.

The Village reserves the right to retain all proposals submitted, and to use any idea in a proposal, regardless of whether the proposal was selected. Submission of a proposal indicates acceptance by the firm of the conditions contained in the RFP, unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the Village and the Contractor.

All property rights, including publication rights of all reports produced by the selected firm in connection with services performed under this agreement shall be vested in the Village.

The Village reserves the right to reject any or all proposals submitted.

  
**VILLAGE OF**  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 2021

**SECTION:** Business

**DEPARTMENT:** Public Works

**CONTACT:** Jim Hessling, Public Works Director, Lee Igl, Streets/Utilities Superintendent

**AGENDA ITEM:** Discussion and action to make a recommendation to the Village Board regarding the issuance of a Request for Proposals (RFP) for Forcemain locating services.

**PREVIOUS ACTION:**

The Public Utilities Committee and Village Board previously have approved the issuance of an RFP for locating services on March 16, 2021 and March 22, 2021 respectively. Upon review of the proposals received, the estimated cost for services was substantially higher than the budgeted amount of \$25,000. Therefore, no proposals were accepted.

**ISSUE SUMMARY:**

The Public Works Department is requesting permission to send out a Request For Proposal (RFP) for the locating and mapping of the force mains throughout the village.

The village has several pressurized sewage pipes that are called force mains. A force main is a pipe used to transport material from a low point to a discharge point that is usually higher. All of the force mains in the village are underground. Our sewage lift station force mains range in size from four to eight inches in diameter. We have a few privately owned force mains that were installed years ago that are located in our right-of-way. These pipes are approximately two inches in diameter.

We have maps of the general location of these force mains but nothing current, except for the force main that comes out of lift station 5. This pipe location was marked with GPS when it was built back in 2016.

Our goal is to have all of the force mains in the village located and mapped in order to prevent damage to these facilities. When we attempt to locate these pipes for a Digger's Hotline ticket, the process is quite challenging and usually not accurate. Our goal is to obtain more accurate data to improve locating.

**FINANCIAL/BUDGET IMPACT:**

Project costs are included within the 2022 Public Works Capital Improvement Plan up to \$100,000.

**VILLAGE PLAN REFERENCE:**



None.

**ORDINANCE REFERENCE:**

None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

Recommendation to the Village Board approval and issuance of the RFP for Force main locating services.

**ATTACHMENTS:**

1. Force Main Locating RFP 12092021 FINAL-for 2022 (002)



## Request For Proposals

Sanitary Sewer Force Main  
Locating/Mapping Services

-

RFP Issuance Date: January 11, 2022

Proposal Due Date: February 1, 2022 by 10:00 am

*Please Submit to:*

Village of McFarland  
Attn: Jim Hessling  
5915 Milwaukee Street, PO Box 110  
McFarland, WI 53558

- A. The purpose and intent of the Request for Proposals (RFP) is to solicit proposals from qualified Contractor(s) to provide personnel and equipment necessary for locating and mapping of several sanitary sewer force mains under the direction of the Village of McFarland Public Works Director. The Village desires a private contractor to perform these services which will help us to maintain our collection and transmission system. Additionally, it will assist us to properly assess the location of the sanitary sewer force main portion of our system.

SECTION 2            Background

- A. The Village of McFarland is located adjacent to the southeast side of the City of Madison in Dane County. The current population of McFarland is estimated 8,952. The Village has approximately 43.9 road miles and is a little under 5 square miles in total land area. The Village is serviced by US Highway 51 serving as the main connection point between the cities of Madison and Stoughton. The Community is home to a high quality of life within the Madison metropolitan area as demonstrated by its excellent schools, variety in commercial enterprises, vast parks, and safe neighborhoods. More information about the Village is available at [www.mcfarland.wi.us](http://www.mcfarland.wi.us).

SECTION 3            Scope of Work

This Scope of Work will become an integral part of the contract between the Village and the Contractor. The Contractor hereby agrees to provide services and/or materials to the Village pursuant to the provisions set forth as follows:

- A.    **Description.**     Surveying services for locating and mapping seven existing force mains totaling approximately 8,300 lineal feet as defined below:
- i.    Erling Avenue Force Main (Lift Station #1) - Consisting of 1,443 lineal feet. Pipe material and size unknown.
  - ii.   Pheasant Run Force Main (Lift Station #2) - Consisting of 3,077 lineal feet. Pipe material is ductile iron and pipe size is 8 inches in diameter.
  - iii. Meredith Way Force Main (Lift Station #3) - Consisting of 802 lineal feet. Pipe material is ductile iron and pipe size is 4 inches in diameter.
  - iv.   Terminal Drive Force Main (Lift Station #4) - Consisting of 1,916 lineal feet. Pipe material is HDPE and pipe size is 6 inches in diameter.
  - v.    Lewis Lane Private Force Main - Consisting of 447 lineal feet. Pipe material is PVC and pipe size is 1.5 inches in diameter.
  - vi.   Taylor/Terminal/Erling Private Force Main - Consisting of 600 lineal feet. Pipe material and size unknown.
- B.    **Locating.**        The Contractor will be given a list of line sections to be located. It is the intent of this contract to satisfy Village collection system requirements; namely, the Contractor will locate the sanitary sewer force mains as required as part of the Village sanitary sewer transmission system. It is estimated that the footage to be located is approximately 8,300 feet. This includes sewer mains located in the street, easements, and on private property. As a condition of the work, the Contractor will be required to identify the diameter, length, depth, and material of the sanitary sewer force main

being located. The Contractor shall provide an electronic copy of the locating report upon completion.

C. **Mapping.** The Contractor will be given a list of line sections to be mapped. It is the intent of this contract to satisfy Village collection system requirements; namely, the Contractor will map the sanitary sewer force mains as required as part of the Village sanitary sewer transmission system. It is estimated that the footage to be mapped is approximately 8,300 lineal feet. This includes sewer mains located in the street, easements, and on private property. As a condition of the work, the Contractor will be required to identify the diameter, length and material of the sanitary sewer force main being mapped. The Contractor shall provide a mapping report including horizontal coordinate information of the force mains at all major bends (greater than 22 degrees), and at increments of no more than 50 feet between bends. Coordinates shall be on the Dane County Coordinate system.

D. **General Requirements.**

- i. A copy of the sanitary sewer transmission system map will be given to the contractor at the onset of the contract, to assist in this endeavor.
- ii. During the course of the Contract, additional infrastructure not presently defined under Section 3(A) may need to be located and mapped. The Contractor will provide a price per lineal foot for any additional locating and mapping needs outside of the previously defined locations.
- iii. It is understood that this will take multiple weeks, or months, to locate and map the specified sections of the system. Once operations commence, updates will be required by the Village as part of their notification process to residents and businesses. It is also understood that more frequent updates should be given, if the Village or the Contractor feels there is need.
- iv. All reports are required to be submitted in an electronic format compatible with GIS. The following information will be required within the reports for each force main:

- Diameter of force main.
- Length of force main.
- Material of which the force main is made of.
- Pipe depth.
- Locations of any bends or deviations in the line.
- Date and time located/mapped.
- Any noted problems in this section of pipe.

E. **Term.** The Contract term will commence on April 1, 2022. Substantial completion (draft report on locating and mapping) shall be completed by July 1, 2022. Final completion of the contract shall be no later than September 30, 2022. Any extension, if applicable, shall be based on satisfactory performance by the Contractor during the year.

SECTION 4            RFP Submittal Requirements

- A. The Proposal must include all of the information set forth in this Section and other Sections of this RFP. Additionally it should be organized and tabbed appropriately. Including but not limited to the following:
- i. Company history and background.
  - ii. Qualifications of the Contractor.
  - iii. Relevant past project experience of the Contractor.
  - iv. Availability of resources and reliance on subcontractors.
  - v. No fewer than three municipal references.
  - vi. Completion of the Cost Proposal Form listed in Appendix A outlining the costs necessary to complete this work.
- B. Responses to the RFP must be received by 10:00 am on Tuesday, February 1, 2022. Proposals received late, for any reason, shall not be accepted.

- C. Responses to the RFP shall be provided to the Village of McFarland, Attn: Jim Hessling, 5915 Milwaukee Street, PO Box 110, McFarland, WI 53558.
- D. Prospective Contractors shall provide five (5) printed copies of the proposal and one (1) electronic copy as their submittal.

SECTION 5            Proposal Evaluation Criteria and Timeline

- A. The following criteria will be used to evaluate each proposal:
  - i. Qualifications of the Contractor.
  - ii. Relevant past project experience of the Contractor within Wisconsin.
  - iii. Resumes of all team members.
  - iv. Familiarity municipal sanitary sewer systems.
  - v. Availability and compatibility of technology.
  - vi. Past history with the Village as applicable.
  - vii. Availability of resources and reliance on subcontractors.
  - viii. Proposal completeness and effectiveness at addressing the needs of the Village for the project.
  - ix. Proposed cost.
- B. The Public Works Director, Streets/Utilities Superintendent, and/or Village Engineer ("Evaluation Team") will be responsible for performing a technical evaluation of each proposal submitted and making a recommendation for selection to the Public Utilities Committee. The Public Utilities Committee will consider this recommendation and make its own recommendation to the Village Board regarding proposal acceptance. The Village Board shall hold the final decision regarding award of proposal for these services. Evaluations will focus on identifying the relative strengths, weaknesses, deficiencies, and risks associated with each submittal.

Interviews with perspective Contractors will be held at the sole discretion of the Village. The Village reserves the right to obtain clarification or additional information from any firm regarding its proposal as is needed.

- C. The Village reserves the sole right to select the most qualified Contractor on the basis of the best overall proposal that is most advantageous to the Village. Firms that submit proposals will be notified of the selection results. Final approval of any selected Contractor is subject to the approval of the Village Board.
- D. Evaluation timeline is as follows:
  - i. January 11, 2022 - Open Advertisement of RFP
  - ii. February 1, 2022 at 10:00 am - Deadline for Submission of Proposals
  - iii. February 4, 2022 - Evaluation Team Finalizes Selection and Makes Recommendation
  - iv. February 8, 2022 - Public Utilities Committee will consider findings of Evaluation Team to make recommendation to the Village Board.
  - v. February 28, 2022 - Village Board considers recommendation of the Public Utilities Committee to make final decision on award of proposal.
  - vi. April 1, 2022 (or as available) - Project Commences
- E. Any questions regarding this RFP, its contents, and the proposed project may be directed to...

Jim Hessling, Public Works Director  
[jim.hessling@mcfarland.wi.us](mailto:jim.hessling@mcfarland.wi.us)  
(608) 838-7287

SECTION 7                      Terms and Conditions

- A. Each proposal will be reviewed to determine if it meets the submittal requirements contained within this RFP. Failure to meet the requirements for the RFP can be cause for rejection. The Village may reject any proposal if it is conditional, incomplete, contains irregularities, or if in the sole discretion of the Village not considered in its best interest. The Village may waive

an immaterial deviation in a proposal, but this shall in no way modify the proposal document or excuse the Contractor from compliance with the contract requirements if the Contractor is awarded a contract.

- B. The Village will require the use of its standard contract template set by policy. It can be made available upon request. Modifications to this standard may be required or considered subject to review and approval by the Village Attorney under the direction of the Village Board.
- C. There is no expressed or implied obligation for the Village to reimburse firms for any expenses incurred in preparing proposals in response to this request. Materials submitted by respondents are subject to public inspection under Wisconsin law. Any language purporting to render the proposal, or any part thereof, confidential or proprietary will be ineffective and will be disregarded unless consistent with the Wisconsin Public Records Law.
- D. The Village reserves the right to retain all proposals submitted, and to use any idea in a proposal, regardless of whether the proposal was selected. Submission of a proposal indicates acceptance by the Contractor of the terms and conditions contained in the RFP, unless clearly and specifically noted in the proposal submitted and confirmed in the contract between the Village and the Contractor.
- E. All property rights, including ownership and publication rights of all conceptual plans, designs, bidding documents, and reports produced by the selected Contractor in connection with services performed under this agreement shall be vested in the Village.
- F. The Village reserves the right to reject any or all proposals submitted.

# Appendix A

## Cost Proposal Form

In accordance with the attached instructions, terms/conditions, and scope of services we, as the Contractor, submit the following cost proposal to the Village of McFarland.

This cost proposal shall include all necessary labor, materials, supervision, equipment, appliances, and materials to perform all operations required to provide sanitary sewer force main locating and mapping services.

Locating and Mapping Services \$\_\_\_\_\_ per lineal foot

Vertical accuracy within actual placement \_\_\_\_\_ inches/feet  
(circle one)

Horizontal accuracy within actual placement \_\_\_\_\_ inches/feet  
(circle one)

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that the contents of this proposal are known to no one outside the firm, and to the best of my knowledge all requirements have been complied with.

Authorized Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Firm Name: \_\_\_\_\_

Date: \_\_\_\_\_

  
**VILLAGE OF**  
**McFarland**  
**SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 2021

**SECTION:** Business

**DEPARTMENT:** Public Works

**CONTACT:** Jim Hessling, Public Works Director, Lee Igl, Streets/Utilities Superintendent

**AGENDA ITEM:** Discussion and action to make a recommendation to the Village Board regarding a proposal to conduct maintenance at Well #1.

**PREVIOUS ACTION:**

None.

**ISSUE SUMMARY:**

Maintenance of the underground pumping components at Well #1 is similar to previous work conducted at Wells #4 and #3.

Under WI Administrative Code Chapter NR 810.13 System Maintenance, vertical turbine and submersible well pumps shall be removed and inspected on a regular basis and maintenance provided as needed. A frequency of once every ten years is recommended. This well last had maintenance in 1992, according to DNR records.

The work proposed in this agenda item would help to meet this recommendation and more than likely uncover any deficient parts and improve the reliability of our water system.

CTW, the proposal provider, has been in business since 1972 and is well respected in the water well industry.

**FINANCIAL/BUDGET IMPACT:**

Funds for maintenance at Well #1 have been included within the 2022 Budget. The proposal received from CTW Corporation totals \$17,625 for initial inspection work. Additional costs may be found during the inspection process.

**VILLAGE PLAN REFERENCE:**

None.

**ORDINANCE REFERENCE:**

None.

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

Recommend approval to the Village Board regarding the proposal from CTW to conduct maintenance at Well #1.



**ATTACHMENTS:**

1. Well #1 maintenance proposal

## Aimee Irwin

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**From:** Jim Hessling  
**Sent:** Tuesday, December 14, 2021 10:02 AM  
**To:** Tom Goethel  
**Cc:** Lee Igl; Aimee Irwin; Jim Hessling  
**Subject:** RE: Well #1

Hi Tom,

Thanks for the update. These prices are in line with what was proposed on well #3. Please send a formal proposal. As mentioned before all work will need to be completed by April 1, 2022 as building maintenance and tuck pointing/brick work activities are schedule to start.

Thanks Tom and I look forward to our continued relationship.

Jim

Jim Hessling | Director of Public Works | Village of McFarland | 5115 Terminal Drive | McFarland, WI 53558 |  
| 608-838-7287 | [jim.hessling@mcfarland.wi.us](mailto:jim.hessling@mcfarland.wi.us) | Proud member of the WI American Public Works Association



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**From:** Tom Goethel <tom.goethel@ctwcorporation.com>  
**Sent:** Tuesday, December 14, 2021 8:43 AM  
**To:** Jim Hessling <Jim.Hessling@mcfarland.wi.us>  
**Subject:** Well #1

In regard to a budget figure for well #1, I have the following:

Basic pump service incorporating a crane for removal and resetting, rebuilding the bowl, lineshaft and stuffing box \$11,425

Motor PM \$2500

TV \$1500

Brush and bail ( may not be possible due to landscaping) \$2200

Our material costs are going crazy right now, I have kept the estimates a little conservative to reflect that but hard to say what happens next. Due to the site constraints I have added crane costs estimates for removal and resetting . I can send a formal letter to follow up when things get a bit slower.



**VILLAGE OF  
McFarland  
SUMMARY SHEET**

**MEETING DATE:** Tuesday, December 21, 2021

**SECTION:** Business

**DEPARTMENT:** Public Works

**CONTACT:** Jim Hessling, Public Works Director

**AGENDA ITEM:** Presentation of the Public Works Director's monthly report.

**PREVIOUS ACTION:**

**ISSUE SUMMARY:**

**FINANCIAL/BUDGET IMPACT:**

**VILLAGE PLAN REFERENCE:**

**ORDINANCE REFERENCE:**

**BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:**

**ATTACHMENTS:**

1. November 2021 Monthly Report

**PUBLIC WORKS COMMITTEE  
December 14, 2021**

**PUBLIC UTILITIES COMMITTEE  
December 21, 2021**

**Public Works Directors Report  
for  
November 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.

**Adopt-A-Drain Program**

The Village has partnered with Dane County, as part of the MAMSWaP program to ask residents to adopt storm drains. The goal of the program is to build a network of volunteers committed to cleaning the area on and around local storm drains and report back results. Cleaning kits are available from public works for distribution. This will help the village to meet some of the requirements of our yearly storm water reporting. As of November 30, we have had 20 drains adopted by 8 individuals.

**2021 Street Construction Project**

Frontier finished up their pedestal move at the intersection of Holscher and Broadhead. The walkway is now completed and open.

**Well 3 Work Started**

Maintenance work started on Well #3. The underground component work includes inspection and replacement of parts as needed for shafts, spiders, bearings, electric motor work along with the pump and pump bowls. The well casing and bore hole have been televised as part of the project. Bore hole cleaning work is in the process of being authorized by the DNR. Work was initially slated to happen in late winter 2020/2021 but was delayed to work schedules on the contractors end and then delayed again due to summertime drought conditions and fall hydrant flushing operations.

**Donated Bench**

Public Works received and installed a donated park bench at McDaniel Park. The bench was donated in memory of Patti Moeser by her husband Jim. This is a nice addition to the park.

**Commercial Drivers Licensing Completed**

Clayton Wilson completed his CDL testing and has been awarded a CDL. This CDL is a Class A endorsement which allows one operate a truck over 26,000 pounds GVWR with a trailer attached. Congratulations Clayton.

**Dog Park Expansion & Disc Golf Improvements**

The department completed the dog park expansion and that area is now being used. The department continues to assist in the development of the disc golf course that is under construction.

**Vacancy**

The department has an open position due to the announced departure of Kean Paltz. We thank Kean for his aid to the department.

**Meetings/Training/Seminars**

A majority of meetings were held by electronic means and some were in person. Those meetings include:

- GIS/Work Order Demo-Samsara - Igl
- Work Order/Pavement Rating Demo-RMT - Igl
- APWA monthly board meeting - Igl, Irwin & Hessling
- APWA Fall Conference - Igl
- Drinking Water Utility Spill Response - Hessling
- Municipal Engineering Fundamentals for Non-Engineers – Irwin
- Assessment for Personal Planning and Development-UW Madison - Larson

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## 2021 WATER SYSTEM IMPACT FEES

Collected in Month	2021 Fees	2020 Fees	2021 Impact Fee Distribution		
			Tower	Main	Well
January	-	1,950.00	-	-	-
February	5,851.00	4,550.00	3,298.86	936.16	1,615.98
March	3,900.00	4,550.00	2,198.88	624.00	1,077.12
<b>1st Quarter Total</b>	<b>9,751.00</b>	<b>11,050.00</b>	<b>5,497.74</b>	<b>1,560.16</b>	<b>2,693.10</b>
April	1,950.00	10,402.00	1,099.44	312.00	538.56
May	650.00	1,950.00	366.48	104.00	179.52
June	1,950.00	3,250.00	1,099.44	312.00	538.56
<b>2nd Quarter Total</b>	<b>4,550.00</b>	<b>15,602.00</b>	<b>2,565.36</b>	<b>728.00</b>	<b>1,256.64</b>
July	650.00	3,900.00	366.48	104.00	179.52
August	-	2,600.00	-	-	-
September	1,300.00	1,950.00	732.96	208.00	359.04
<b>3rd Quarter Total</b>	<b>1,950.00</b>	<b>8,450.00</b>	<b>1,099.44</b>	<b>312.00</b>	<b>538.56</b>
October	650.00	1,950.00	366.48	104.00	179.52
November	13,003.00	9,101.00	7,331.23	2,080.48	3,591.29
December	-	18,701.16	-	-	-
<b>4th Quarter Total</b>	<b>13,653.00</b>	<b>29,752.16</b>	<b>7,697.71</b>	<b>2,184.48</b>	<b>3,770.81</b>

### HISTORICAL WATER IMPACT FEE TOTALS

2021 Total	29,904.00		16,860.25	4,784.64	8,259.11
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
<b>Grand Total</b>	<b>\$ 815,157.43</b>	<b>\$ -</b>	<b>\$ 461,864.67</b>	<b>\$ 129,592.68</b>	<b>\$ 223,700.08</b>

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

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