

Public Works Committee

Tuesday, December 14, 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/83202971931>

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

Webinar ID: 832 0297 1931

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 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 aimée.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 Works meeting held on July 13, 2021.
 - b. Discussion and action regarding the minutes from the joint meeting of Public Works and Public Utilities held on August 10, 2021.
 - c. 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. Presentation of the Public Works Director's monthly report.

5. SCHEDULE NEXT MEETING DATE.

a. Tuesday, January 11, 2022 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

Aimee Irwin

From: Karin Lanser <klanser@gmail.com>
Sent: Monday, December 13, 2021 7:10 PM
To: Aimee Irwin
Subject: McFarland Village homeowner input on Public Works Committee meeting Tues Dec 7 at 6pm

The Village of McFarland Public Works Committee has done an excellent job planning to improve the terminal access road for tanker trucks which connects to Siggelkow to upgrade the street and to complete the bike path. My family uses the bike path and that road. This phase of construction is a phase of a previously approved plan to upgrade that area of the village. Safe roads for oil tanker trucks is a good use of village funds. Thank you! Karin Lanser

CONCERNED RESIDENTS OF PARKVIEW APARTMENTS

4616-4620 Siggelkow Rd.
McFarland, WI 53558

To: Public Works Committee
c/o Jim Hessling, Director

Date: December 14, 2021

Re: Agenda Item re 2022 Terminal Drive Improvements Project

This is questions for the Public Works Committee regarding the above-referenced project.

1. The Village apparently has never retained a qualified expert firm to analyze the safety of residential building in the area bordering the 1,715 feet of Terminal Drive that is impacted by this Project, even with patent knowledge that this area is in very close proximity to multiple large bulk storage tanks containing hazardous chemicals. There is no evidence that current local residents have requested a sidewalk or pedestrian path except for possibly those residing in the 27-unit Humble Oaks apartment complex. There is currently an approved plan by the Village and Waubesa Village developer to construct at least one more 27-unit building in this area. Clearly, a pedestrian path/sidewalk encourages people to be outside to make use of these facilities. However, without a qualified expert analysis of whether people should be encouraged to be outside if not reasonably safe from a potential nearby tank farm incident, it would seem ill-advised to at least proceed with the sidewalk/pedestrian path aspects of this project.
2. During the spring through fall, there are multiple ball games and other events at Brandt Park. Because parking is limited, people regularly pull off onto the shoulder along Terminal Drive in the impacted area to park and attend these events. What provisions have been made for parking in this area, especially when cement curbs are part of the project?
3. Similarly, during the winter months, snow events happen and in the past, the snow is plowed onto the shoulder along Terminal Drive. What provisions have been made for removing snow off the road?
4. Would this project be modified if the construction of the developer's 5th building along Terminal be abandoned?
5. The Public Works Committee seems to be ground zero for getting a safety analysis done of the tank farm area, which this project covers. Has that ever been done and if not, when will it be?

Carol Springman,
on behalf of The Concerned Residents of Parkview Apartments

VILLAGE OF MCFARLAND
Public Works Committee Minutes

Tuesday, July 13, 2021 - 6:00 PM

1. CALL TO ORDER, ROLL CALL.

Justin Rupert called the regular meeting of the Public Works Committee to order at 6:00 PM in the Community Room.

Members present: Chris Fredrick, Justin Rupert, Marv Meyers, Jerry Adrian

Members not present: Chris St. Clair, Peter Robinson

Staff Present: Jim Hessling (Director of Public Works), Lee Igl (Streets and Utilities Superintendent), Aimee Irwin (Assistant to the Public Works Director), Brian Berquist (Town and Country Engineering), Tim Stieve (Town and Country Engineering)

2. PUBLIC APPEARANCES.

No public appearances.

- a. *This is an opportunity for members of the public to address the Village Board. Please remember this is a virtual meeting conducted through the Zoom online meeting platform. Zoom meeting attendees wishing to address the board may do so using the Question and Answer feature within the Zoom online meeting platform. You may state your name, address, and provide your comments to the board for their consideration. Members of the public who are present in person and wish to address the board should fill out a public comment form and turn into the meeting chairperson. Members of the public may speak during public appearances or during their selected agenda item as they designate on the public comment form. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to aimee.irwin@mcfarland.wi.us to be included as part of the meeting.*

3. APPROVAL OF MINUTES.

- a. *Discussion and action regarding the minutes from the Public Works meeting held on March 9, 2021.*

Motion by Jerry Adrian, second by Chris Fredrick, to approve minutes from the Public Works meeting held on March 9, 2021. Motion carries 4 - 0 - 0.

- b. *Discussion and action regarding the minutes from the joint Public Works and Public Utilities meeting held on April 13, 2021.*

Motion by Village Trustee Justin Rupert, second by Jerry Adrian, to approve the minutes from the joint Public Works and Public Utilities meeting held on April 13, 2021. Motion carries 4 - 0 - 0.

4. BUSINESS.

- a. *Discussion regarding pavement replacement timeline*

Brian Berquist with Town & Country Engineering provided background regarding the development of a pavement replacement timeline. Provided to the committee was an overview of infrastructure costs for water mains, sanitary sewer and street centerline

which included an assumed service life and the estimated depreciation each year. Presented to the committee was information related to off street projects including well rehabilitation or build along with lift station replacement and forcemain. Berquist reviewed the long range CIP document provided within the agenda packet beginning with the notes of where the process began with WISLR and how the plan has been developed since including projects funded by TID/TIF sources, general fund expenditure of \$500,000 for paving, and other assumptions.

Committee members commented that the presented plan is a good baseline but annual review is necessary to review the plan allowing for necessary adjustments. Jerry Adrian asked for clarification regarding Broadhead Street/County Highway MN in 2024. Brian Berquist responded that the Broadhead Street/County Highway MN Phase 4B could be adjusted or delayed to another year as developments progress. Berquist presented the draft CIP on the GIS map as the plan exists currently. Jerry Adrian recommended a few edits including: 2026 related to South Ct as well as Severson St versus Severson Rd. Chris Frederick recommends considering roadways close to Highway 51 and delaying Village work until after state construction has been completed.

b. Update and discussion regarding the Exchange Street Reconstruction project.

Tim Stieve with Town & Country Engineering provided a brief overview related to the upcoming Exchange Street Reconstruction. The reconstruction is a full reconstruction from Sleepy Hollow to Farwell Street and is partially funded by state funds. A Public Information Meeting (PIM) was held in February of 2021 at which a preliminary street layout was presented and feedback was gathered from community members. Stieve stated that continued design work has occurred since the PIM related to street layout, sidewalk and concerns that have been presented by citizens. The next point in the project would be for the next Public Information Meeting to be scheduled. Committee members agreed that the PIM could be held at the October 12, 2021 Public Works meeting jointly with the Public Utilities Committee.

c. Presentation of the Public Works monthly report for May & June

Jim Hessling provided the Public Works monthly report for the months of May and June.

5. SCHEDULE NEXT MEETING DATE.

a. Discussion of Hybrid Meetings 2.0.

Nicholas Boucher provided an update regarding the meeting format that will begin on August 2, 2021 which will include bringing committee members and staff attend meetings in person.

b. Tuesday, August 10, 2021 at 6:00 p.m.

6. ADJOURNMENT.

Motion by Marv Meyers, second by Chris Frederick, to adjourn at 7:23 p.m.. Motion carries 4 - 0 - 0.

VILLAGE OF MCFARLAND

Joint Public Works and Public Utilities Committees Minutes

Tuesday, August 10, 2021 - 6:00 PM

1. CALL TO ORDER, ROLL CALL.

Ed Wreh, Chair of the Public Utilities Committee, called the joint meeting of the Public Works and Public Utilities Committee to order at 6:01 PM in the Community Room. This meeting was held via Zoom.

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

Members not present: Christopher Reynolds and Peter Robinson

Staff Present: Jim Hessling (Director of Public Works), Lee Igl (Streets and Utilities Superintendent), Matt Schuenke (Village Administrator), Aimee Irwin (Assistant to the Public Works Director), Town & 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 to be included as part of the meeting.*

None.

3. BUSINESS.

- a. *Discussion and action to make a recommendation to the Village Board regarding the Paving and Utility Improvement Plan.*

Brian Berquist provided background regarding this item. The Pavement and Utility Improvement Plan was previously presented to both committees for review. Following initial review, staff along with Town & Country Engineering updated projects, the year in which projects are projected to occur and cost projections. The updated draft of this plan is included within the packet. Berquist reviewed the projects included within the plan for 2022 and 2023.

- Pauline Boness asked what the RC abbreviation signifies within the plan. Brian Berquist stated that RC stands for rural conversion which would add curb and

gutter to the roadway.

- Marc Nielsen expressed that the allocation of 50% of street replacement costs being expended to the water utility appears to be excessive and a policy issue that could be further discussed. Berquist responded that the allocation to water utility is historical of the Village but could be reviewed.
- Carolyn Clow asked if the presented plan includes funds that help to adequately address pavement conditions. Berquist responded that the fund estimates will help to address pavement concerns and connect to the WISLR model which estimates the funds required.
- Eric Kryzenske asked if sanitary sewer would be added to Terminal Drive if not present. Berquist stated that sanitary sewer would be added from Lift Station 4 to the north.
- Jerry Adrian was concerned about the adjustments from the previous review, for example, the changes to Overlook Drive. Berquist responded that during the field review it was assessed that the pavement appeared to be a surface layer failure for Overlook Drive. The 2021 work projected for Overlook Drive would include mill and overlay of the roadway.
- Ed Wreh asked what the expenditures are to date for the Broadhead Street 2021 construction. Berquist believes the project is under budget but is still wrapping up final expenses. Additional information can be shared with the committee once tabulated.

Matt Schuenke reiterated that the work planned in 2021 for Overlook Drive would be a complete mill and overlay process. Carolyn Clow expressed that the residents on Overlook Drive would be receiving more benefit with the presented plan versus previous plans for only patch work.

- Ed Wreh asked about the longevity of the repair work on Overlook Drive. Berquist stated an anticipated 10 to 15 years estimated life for the mill and overlay work.
- Carolyn Clow asked what contractor will be completing the work in 2021. Berquist responded Payne and Dolan, who is the subcontractor of Cattell.
- Pauline Boness asked if the Paulson Road connection was included with the project scope. Berquist responded that the connection had been included.
- Jerry Adrian asked how often the police or fire department had utilized Storck Road to access the Interstate. Schuenke responded that approximately two times per month.
- Chris Fredrick asked if Madison would share in any costs for repairs to Storck Road. Schuenke responded that it would be unlikely that Madison would share in the expenditures.
- Chris St. Clair asked if new roadways would need to be added to this plan in the future. Schuenke responded that the plan will be revised on an annual basis which could result in additions and other changes.
- Pauline Boness asked about additional utility projects that have been identified but not included within the presented plan. Schuenke responded that the presented plan is meant to set up the paving plans. Other projects related to

facility needs will be added to CIP and reviewed at a future meeting.

Motion by Ed Wreh, second by Justin Rupert, to recommend approval to the Village Board regarding the Paving and Utility Improvement Plan. Motion carries 10 - 0 - 0.

b. Discussion and action to make a recommendation to the Village Board regarding Town and Country's proposal for design services for the 2022 Paving and Utility Improvement projects.

Matt Schuenke provided that, following the previously approved plan, we now need to begin designing the projects for 2022. Design plans would occur over the winter and bidding would occur in the spring of 2022 for work completion in the summer. Berquist reviewed the included proposal for the design services related to the 2022 Paving and Utility Improvement projects.

- Carrie Nelson reviewed a typo within the proposal which Berquist acknowledged and stated that the typo would be corrected.
- Carrie Nelson asked about the third party items identified in the proposal in terms of the likelihood of them occurring. Berquist reviewed the items listed and their likelihood of being required.

Motion by Chris St. Clair, second by Ed Wreh, to recommend approval to the Village Board regarding Town and Country's proposal for design services for the 2022 Paving and Utility Improvement projects. Motion carries 10 - 0 - 0.

c. Update and discussion regarding sewer rates and the sewer rate study

Berquist provided background regarding sewer rates and stated the last increase occurred in 2020. Presented to the committee was a chart depicting Madison Metropolitan Sewerage District (MMSD) rate multipliers data by year, including the various components of the rate charges. Also provided during the meeting was the true-up document for data through July 31, 2021. Berquist provided the key takeaways, including O&M expenses that were higher than projected, along with user charge revenues. Berquist will need to further review the O&M expenses with staff and would recommend review of this data once audited numbers have been compiled for 2021. By delaying the rate increase during 2020, the utility did not receive an additional \$180,000 in revenue.

- Ed Wreh asked why the sewer rate increase was delayed from April to August 2020. Schuenke responded that the delay was caused by the COVID-19 pandemic and matched other agencies or municipalities that also delayed rate increases due to the pandemic.

d. Discussion and action to make a recommendation to the Village Board regarding the utility's meter reading and installation process.

Aimee Irwin provided background for the possible future of meter reading for the utility. Additional information was provided to the committee members regarding the funding for the meter replacement project. It is recommended that the replacement project will

occur over a three-year period. Hardware/software costs, including any contractor for installation, would be funded by borrowed money through the water utility. Service fees or annual fees will be funded through the Support Services line of the utility and would require an increase for future budgets. Irwin also stated that if a change is approved, a Public Service Commission (PSC) Construction Authorization would be required.

- Chris Fredrick asked if the process could be extended over a longer period of time or would the three year approach be more appropriate. Fredrick also asked if the utility was experiencing failures with the 60W or 100W endpoints. Irwin responded that it is recommended that the replacement schedule occur over a three-year period to condense the time for reading software and varied hardware in the field. The utility has not experienced any 60W or 100W endpoints failing.
- Marc Nielsen asked if the cost of installation qualifies to be included in the capital funds. Irwin responded that it is anticipated that the contractor installation costs would be included within the capital funds.
- Chris St. Clair asked if there was an option to lease the hardware. Irwin stated that the utility is required to own the meter hardware in the field.

Motion by Ed Wreh, second by Chris Fredrick, to recommend to the Village Board approval of the meter reading process for the utility to a cellular AMI format and contracting the installation process. Motion carries 6 - 0 - 0. This motion was established and voted on by the Public Utilities Committee.

e. Presentation of the Public Works monthly report.

This item was reviewed out of order. Jim Hessling presented the monthly Public Works report for July and asked if there were any questions.

- Chris Fredrick asked what caused the damage to the forcemain at McDaniel. Hessling responded that there was no specific indication but a kink was found in the pipe which had been repaired.
- Carrie Nelson asked if there had been any feedback regarding the anticipated rate increase. Aimee Irwin stated that the Public Works office has not received any phone calls or emails about the anticipated water rate increase.
- Ed Wreh asked if the sewer forcemain issue at McDaniel contributed to the restrooms being closed and if they had been reopened. Hessling responded that restrooms were shut down due to the sewer issue but they are open now.

4. SCHEDULE NEXT MEETING DATE.

- a. Public Works: Tuesday, September 14, 2021 at 6:00 p.m.*
Public Utilities: Tuesday, September 21, 2021 at 6:00 p.m.

5. ADJOURNMENT.

Motion by Ed Wreh, second by Chris Fredrick, to adjourn at 7:58 p.m. Motion passed 6-0-0

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

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 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 14, 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:

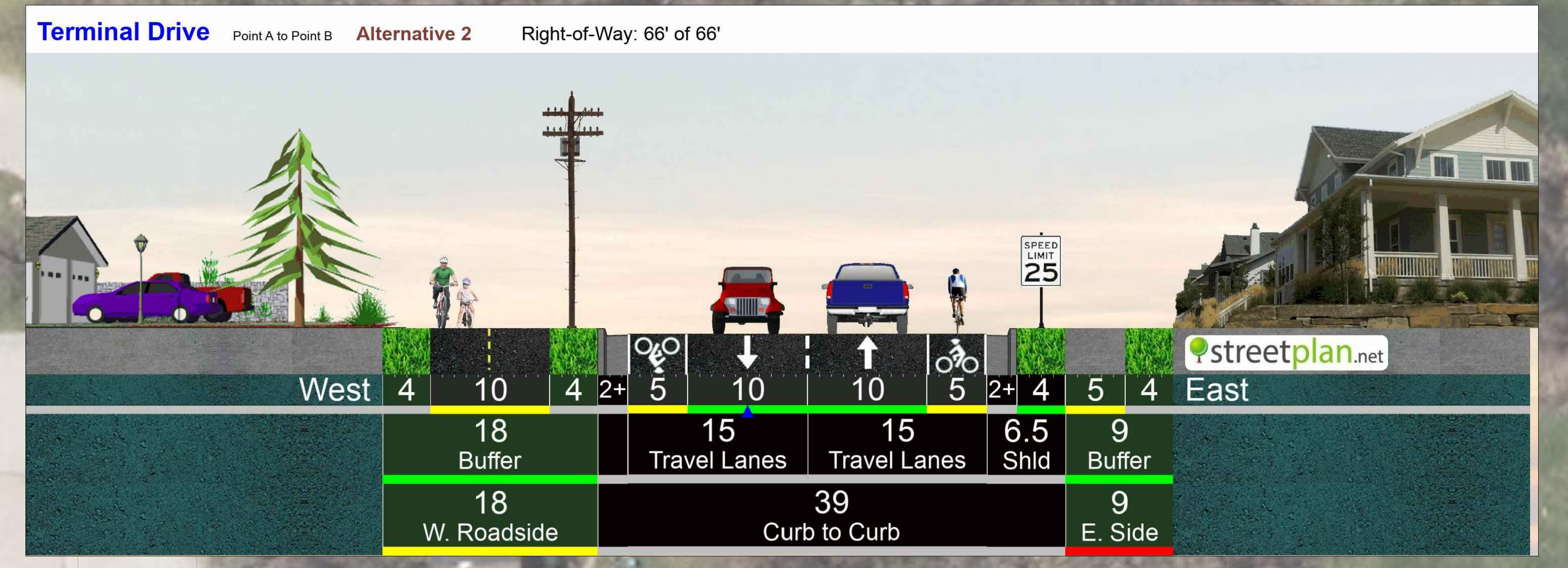
None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Presented for the Committee to make a recommendation 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 IN 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

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:

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

DATE OF ESTIMATE:

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
CONSTRUCTION SUBTOTAL			\$960,347
Engineering/Const. Admin.	@ 13 %		\$124,845
Resident Inspection	@ 4 %		\$38,413.88
Contingency	@ 10 %		\$96,035
TOTAL			\$1,219,641

\$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

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

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

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

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 ⁷	PROJECT COSTS							PROJECT SCORING					General Comments			
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non-Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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	
Year Total									\$721,950	\$1,219,700	\$0	\$535,640	\$110,000	\$338,100	\$2,925,500									
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.	
Year Total									\$735,900	\$1,075,800	\$123,500	\$1,124,500	\$134,300	\$233,900	\$3,427,900									

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments		
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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		
Year Total (Including Exchange Street)									\$1,390,300	\$318,100	\$802,000	\$1,319,900	\$939,600	\$3,333,800	\$8,103,700								
Year Total (Excludes Exchange Street)									\$669,400	\$318,100	\$0	\$1,155,400	\$273,600	\$3,333,800	\$5,750,300								
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		
Year Total									\$596,300	\$0	\$0	\$0	\$0	\$0	\$596,300								

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments				
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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			
Year Total									\$563,800	\$0	\$0	\$1,476,000	\$0	\$0	\$2,039,800										
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			
Year Total									\$523,000	\$0	\$0	\$928,500	\$0	\$0	\$1,451,500										
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			
Year Total									\$538,165	\$0	\$0	\$469,700	\$187,744	\$0	\$1,195,700										

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments									
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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							
Year Total									\$664,137	\$0	\$0	\$0	\$0	\$0	\$664,200															
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							
Year Total									\$717,321	\$0	\$0	\$810,905	\$0	\$0	\$1,528,300															
TOTAL FOR YEARS 0-8 (Excludes Exchange Street)									\$5,729,974	\$2,613,600	\$123,500	\$6,500,645	\$705,644	\$3,905,800	\$19,579,500															
TOTAL FOR YEARS 0-8 (Includes Exchange Street)									\$6,450,874	\$2,613,600	\$925,500	\$6,665,145	\$1,371,644	\$3,905,800	\$21,932,900															


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, December 14, 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.

*Staff are seeking recommendation from the committee for which project direction, Reconstruct or Mill & Overlay, is recommended.

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:

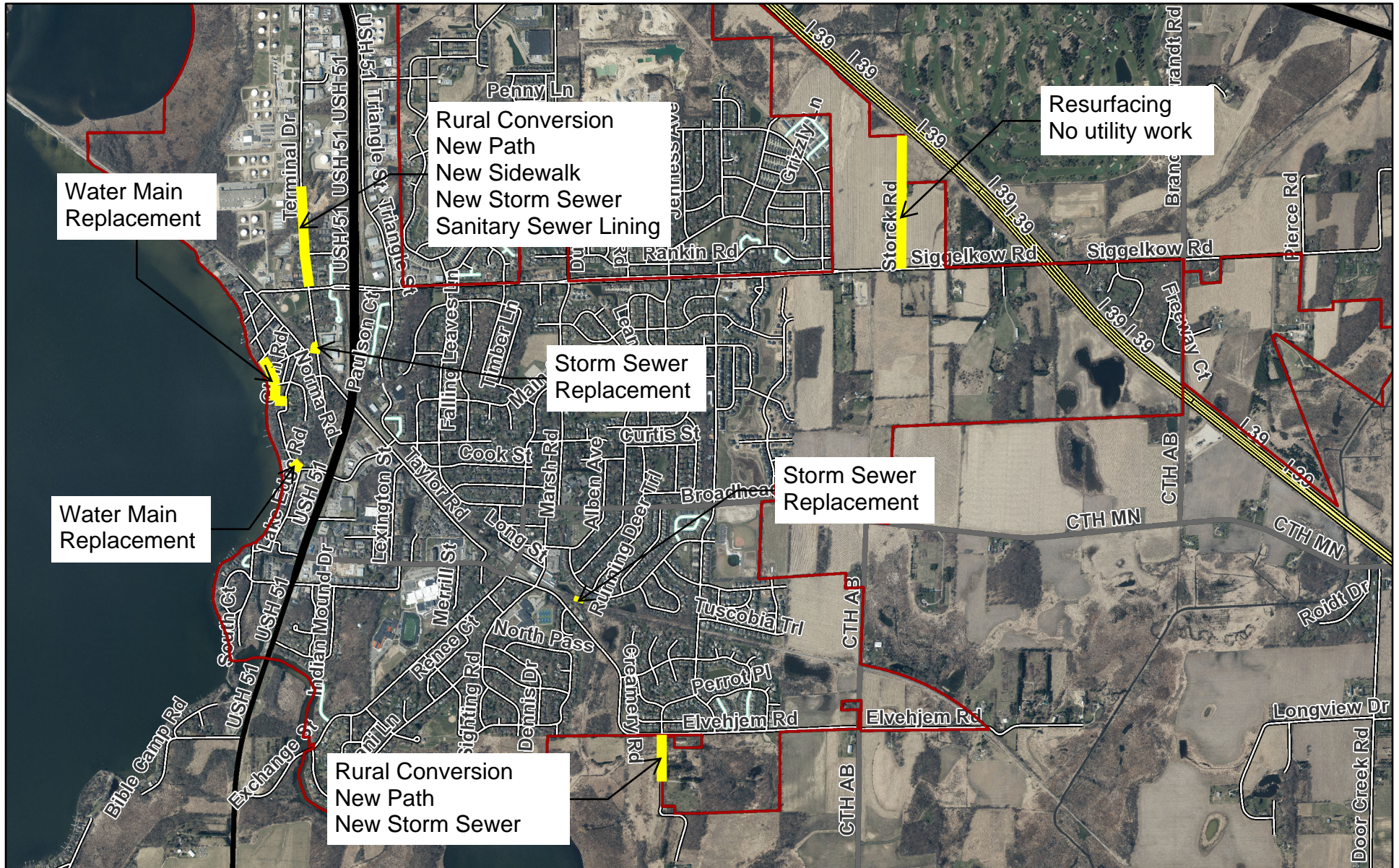
Presented in order for the Committee to make a recommendation to the Village Board to accept the project designs and authorize the project for bidding.

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. Storck Road Resurfacing
10. Storck Road Estimate (1)
11. Long Range CIP- 12.10.2021

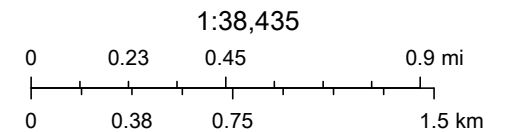


Village of McFarland- 2022 CIP



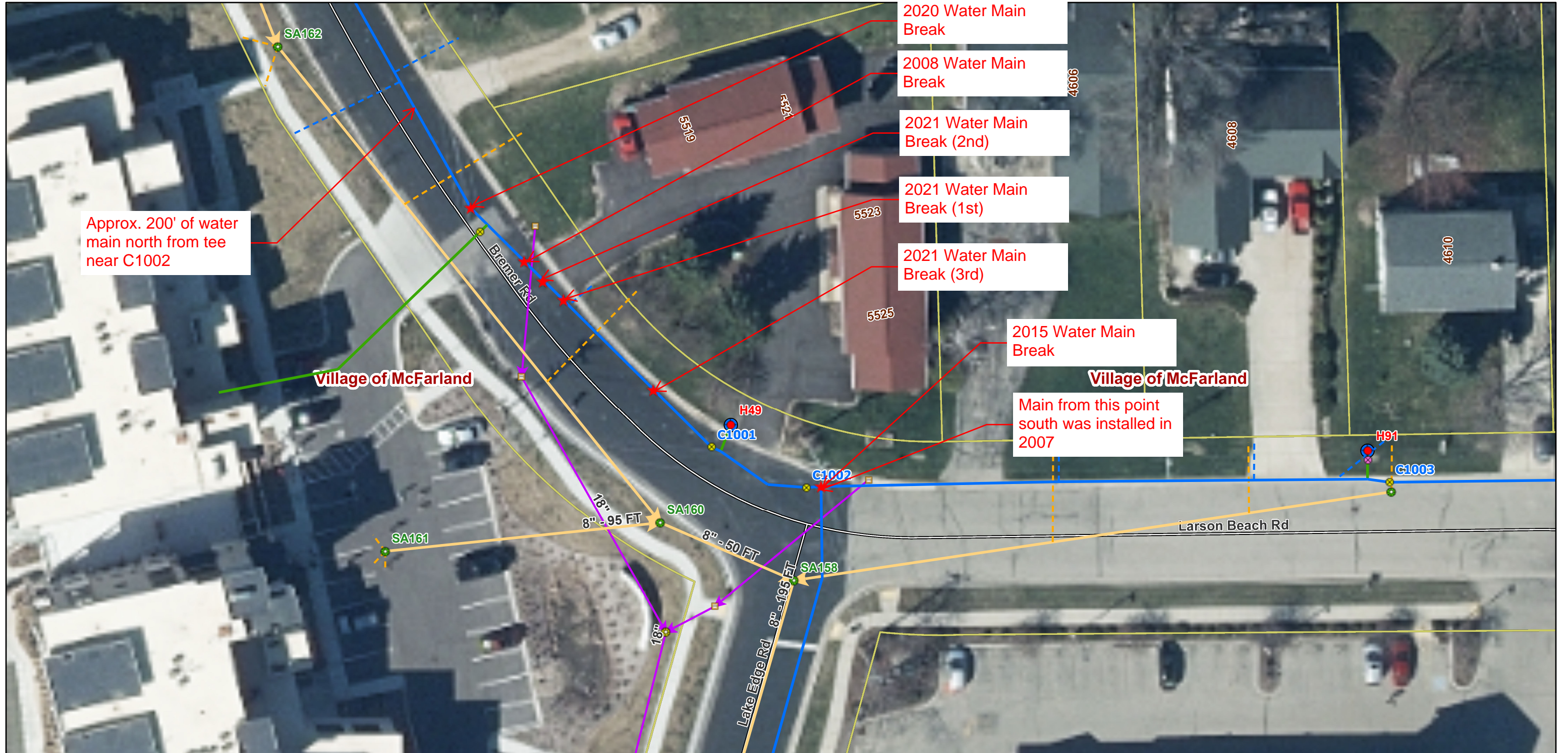
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- | | | | |
|-----------|--------------------|----------------|--------------------|
| Draft CIP | Road Centerlines | State Highway | Restricted Access |
| 2022 | Interstate Highway | County Highway | Ramp |
| Village | US Highway | Local Road | Named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



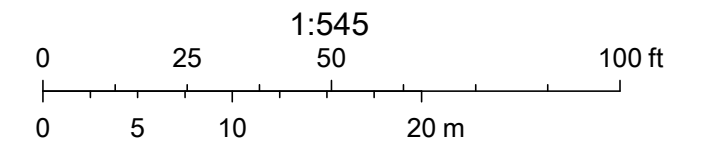
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Bremer Road Watermain Replacement

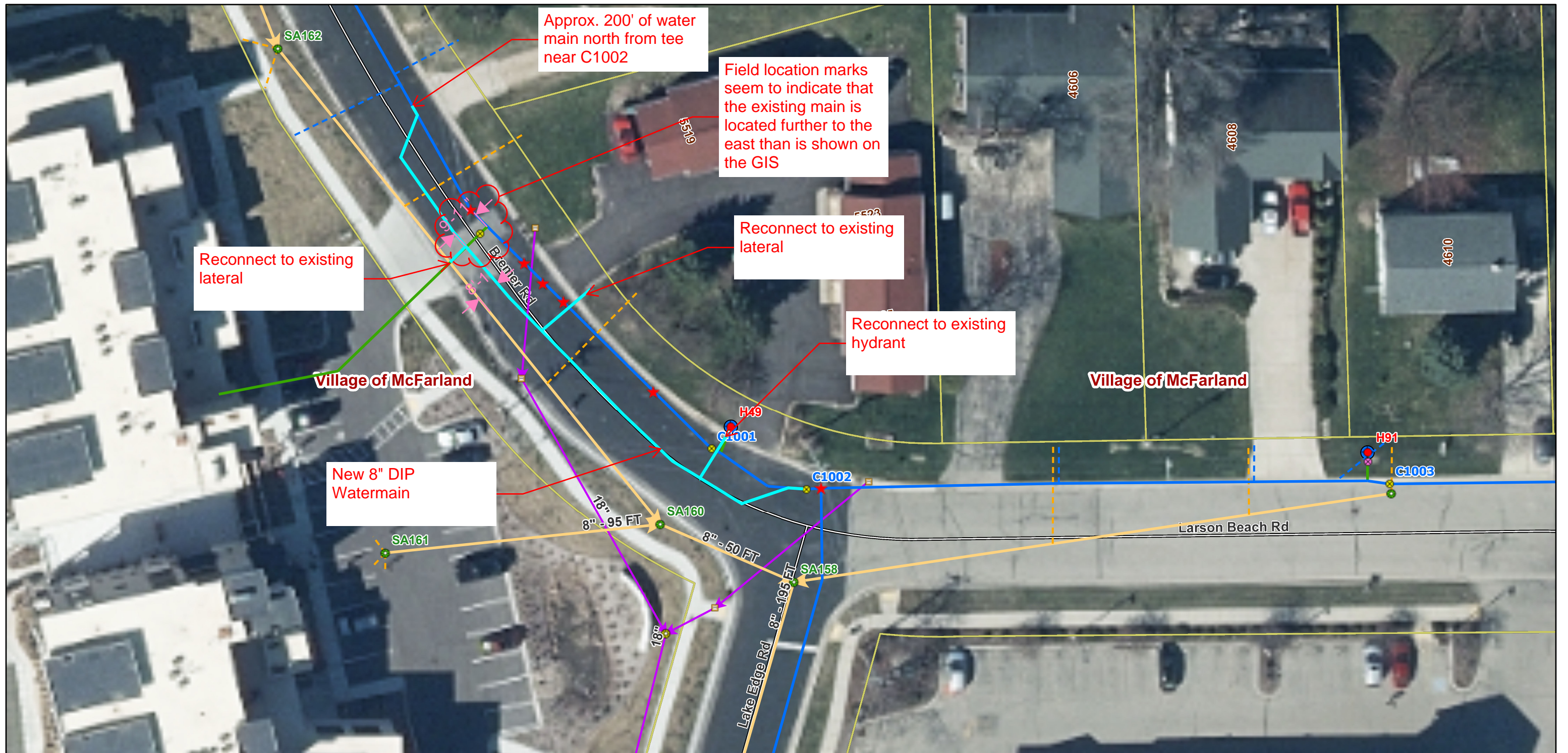


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- | | | | | | | |
|------------------------|--------------------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| ◆ Hydrants (Estimated) | --- Water Laterals | ● Sanitary Objects | ■ 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 | | | | | |

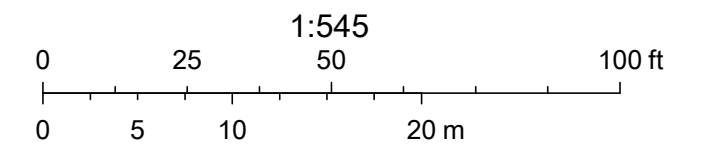


Bremer Road Watermain Replacement



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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 | | ▭ 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



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

Existing sanitary sewer highlighted in green

Existing gas main highlighted in yellow

Preliminary new water main alignment shown in blue

NOTE: SPREADSHEET DATA LISTS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

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

NOTE: SPREADSHEET DATA LISTS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

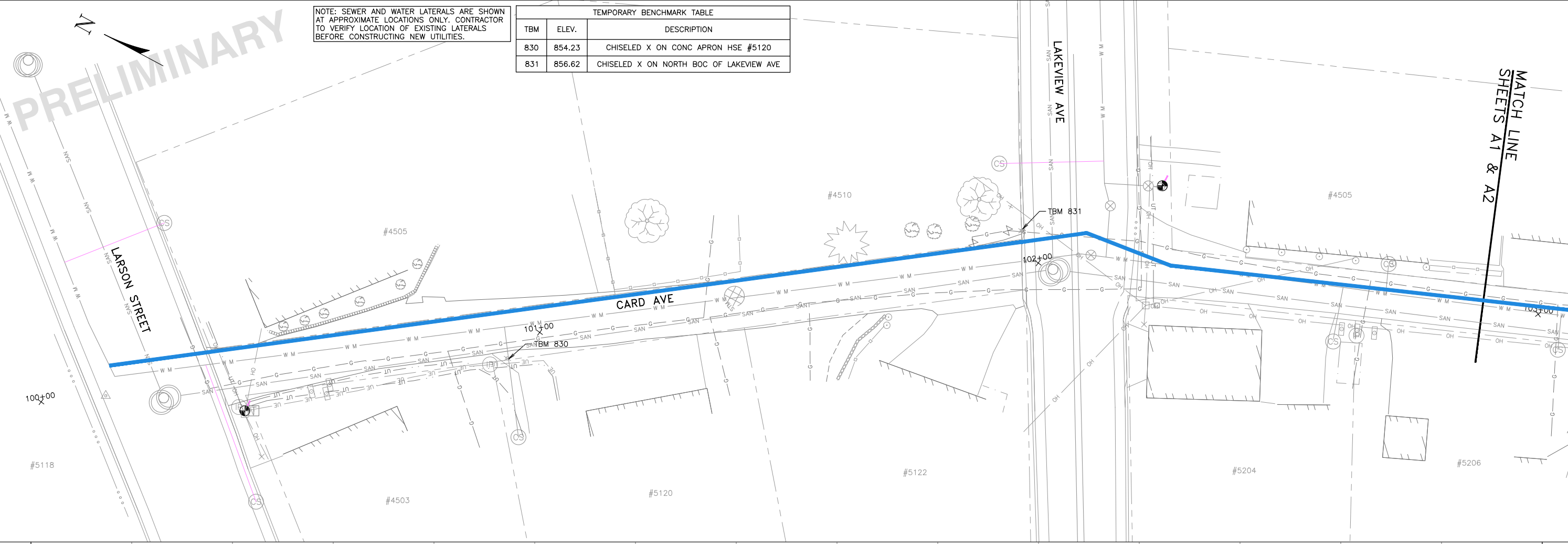
TEMPORARY BENCHMARK TABLE		DESCRIPTION
TBM	ELEV.	CHIEFED X ON SE CORNER OF BELLEVUE & CARD
834	826.81	

NOTE: SPREADSHEET DATA LISTS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

TEMPORARY BENCHMARK TABLE		DESCRIPTION
TBM	ELEV.	CHIEFED X ON SE CORNER OF BELLEVUE & CARD
835	826.81	

NOTE: SPREADSHEET DATA LISTS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONSTRUCTION TO VERIFY LOCATION OF EXISTING UTILITIES BEFORE CONSTRUCTING NEW UTILITIES.

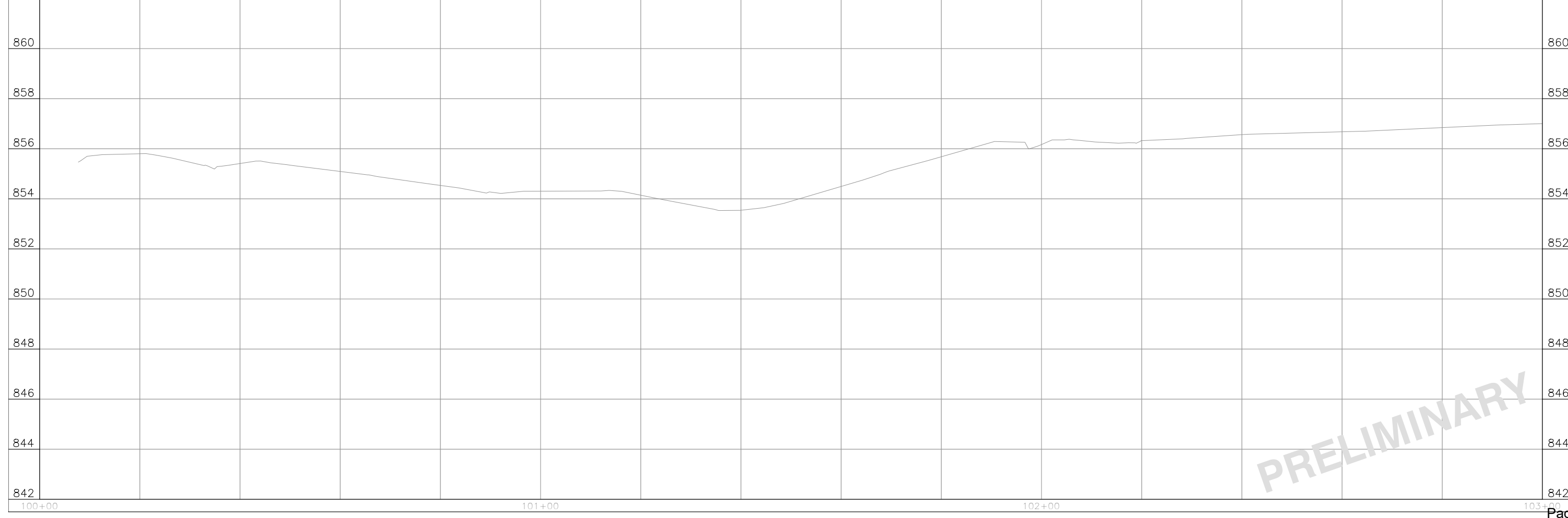
TEMPORARY BENCHMARK TABLE		DESCRIPTION
TBM	ELEV.	CHIEFED X ON CORNER OF THE BRICK
830	827.23	
831	826.38	MARKER IN THE QUARTER OF CARD AND WISCONSIN



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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

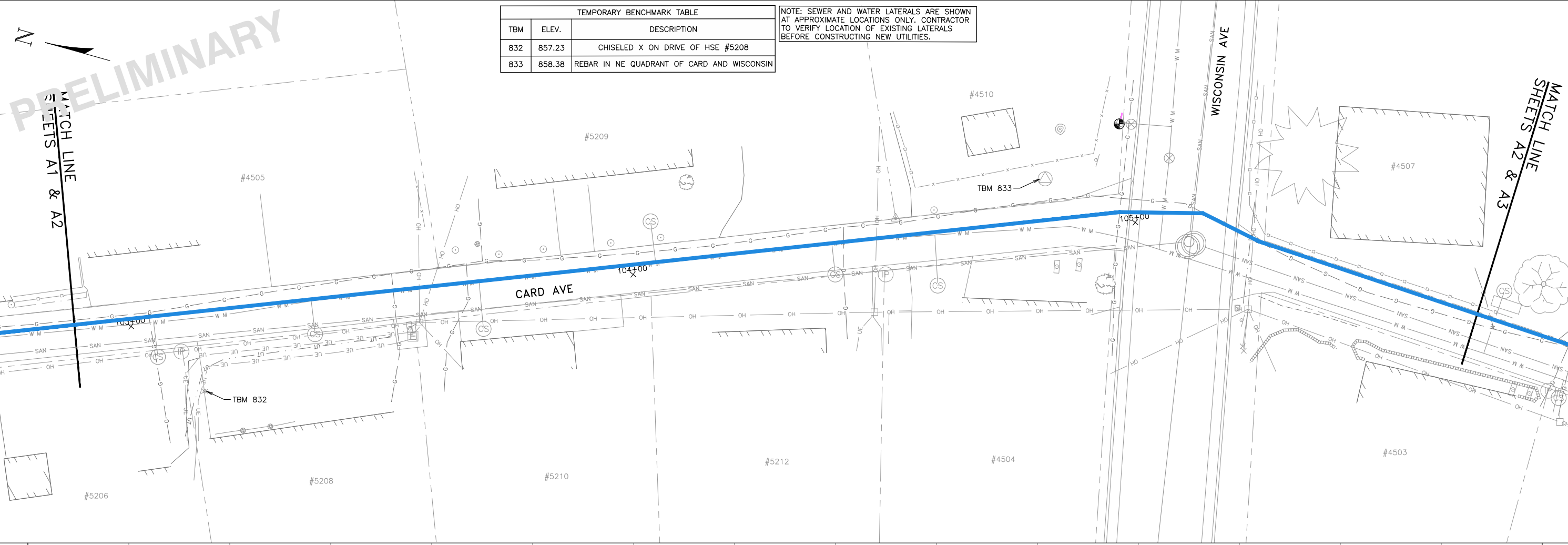
PROJECT NO.: MC 189
 DRAWING FILE: CARD SHEETS.DWG
 DRAWN BY: J.R.K.
 CHECKED BY: T.J.S.
 DATE: 12-9-21
 REVISIONS:
 SCALE: HORIZONTAL 1"=50'
 VERTICAL 1"=20'
 SHEET: A1

PRELIMINARY

PRELIMINARY

PRELIMINARY

MATCH LINE
SHEETS A1 & A2



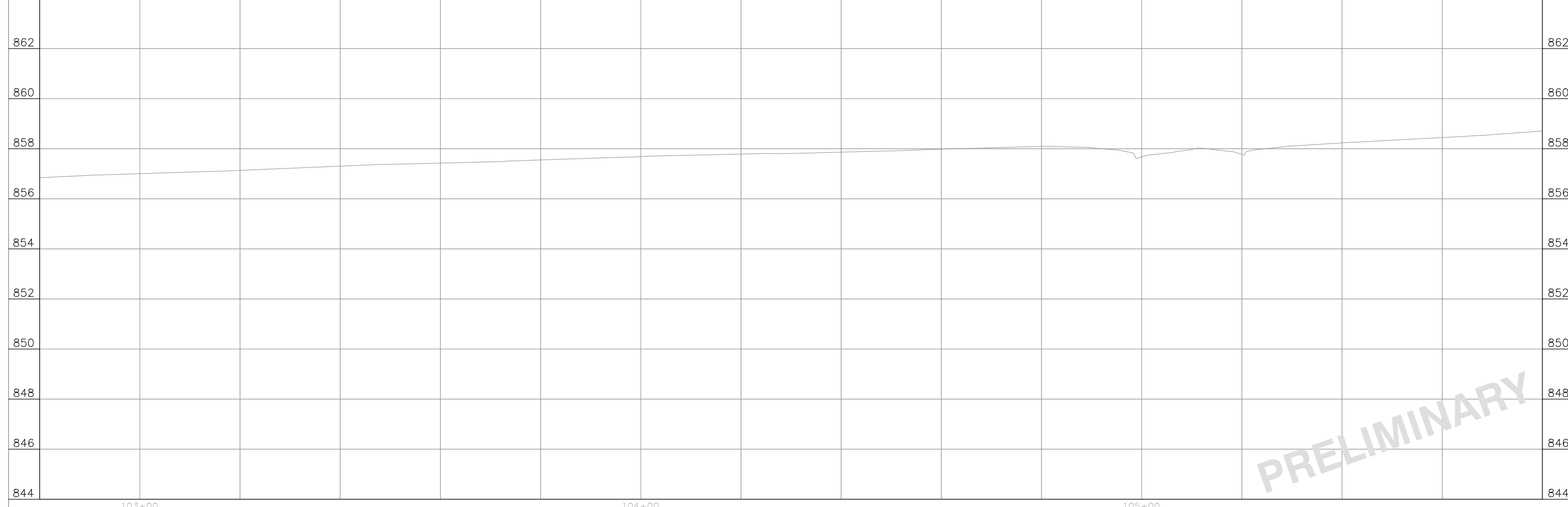
TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
832	857.23	CHISELED X ON DRIVE OF HSE #5208
833	858.38	REBAR IN NE QUADRANT OF CARD AND WISCONSIN

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

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Station 102+80 To Station 105+80



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

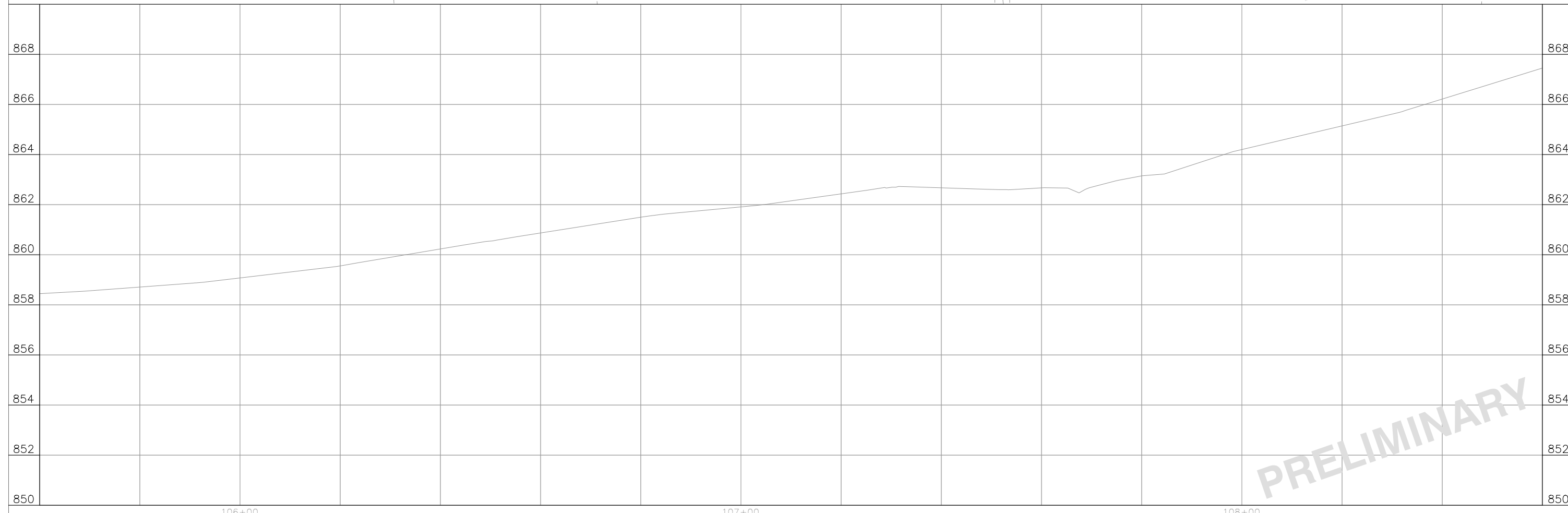
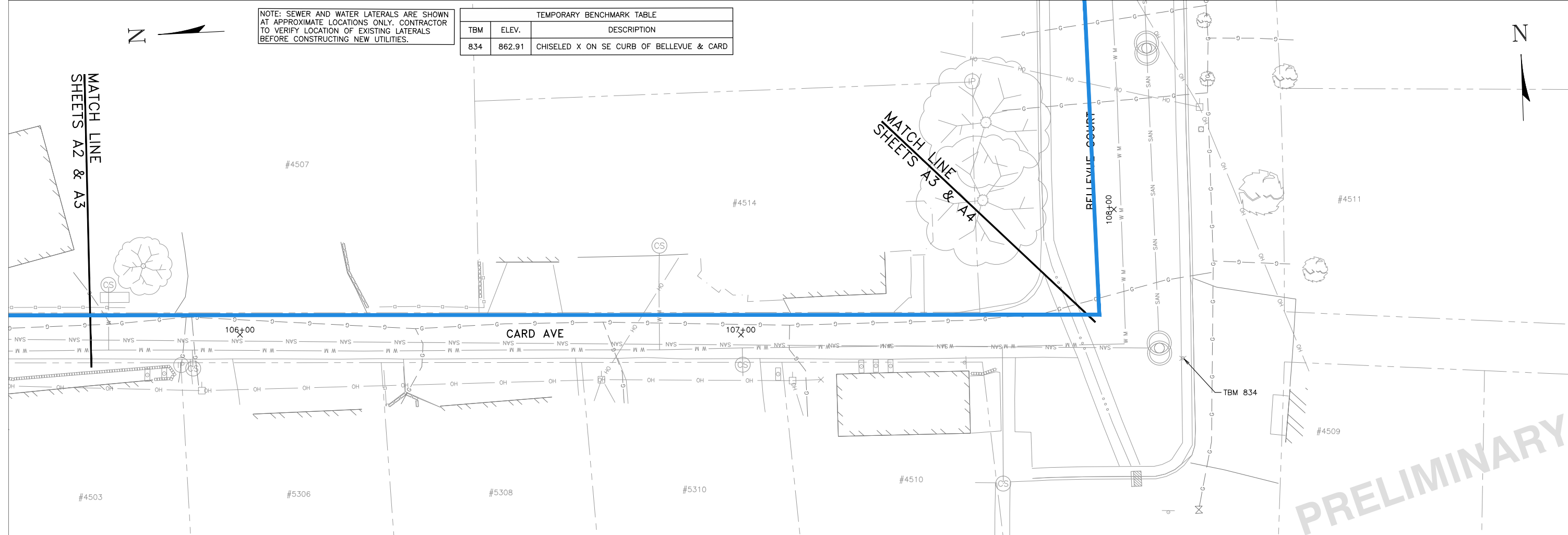
PROJECT NO.: MC 189
DRAWING FILE: CARD SHEETS.DWG
DRAWN BY: J.R.K.
CHECKED BY: T.J.S.
DATE: 12-9-21
REVISIONS:
SCALE: HORIZONTAL 1"=50'
VERTICAL 1"=2'
SHEET: A2

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



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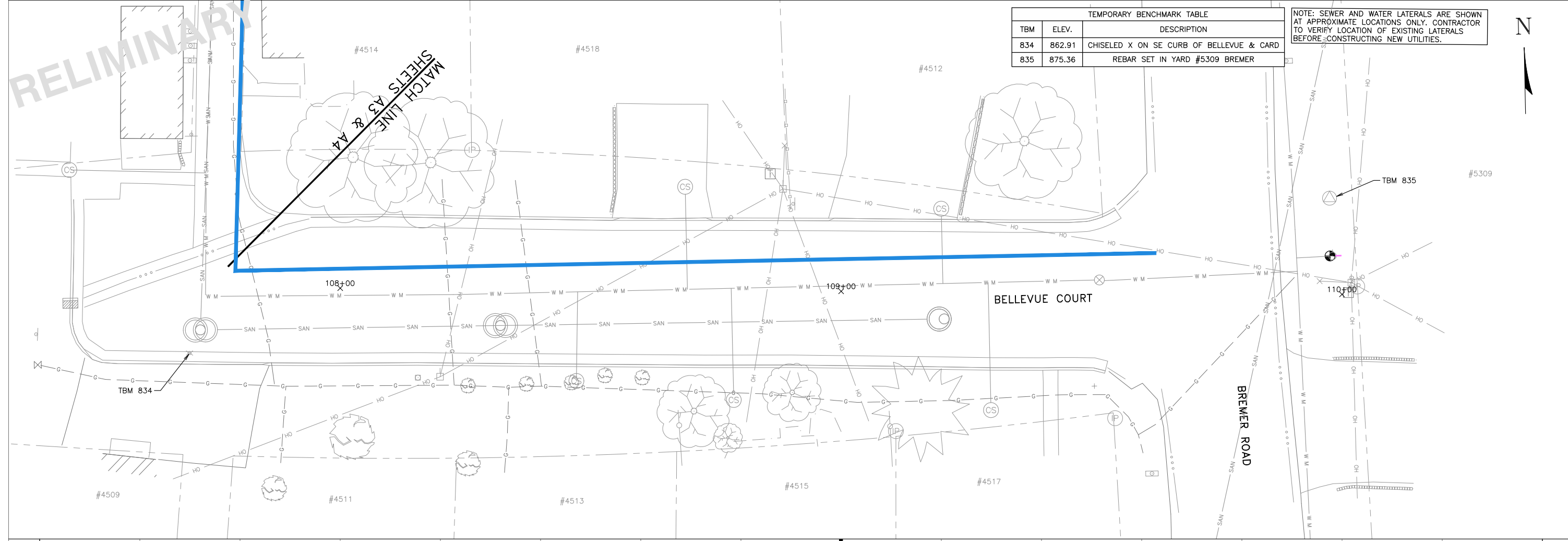
tc TOWN & COUNTRY
ENGINEERING, INC.

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"=2'
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

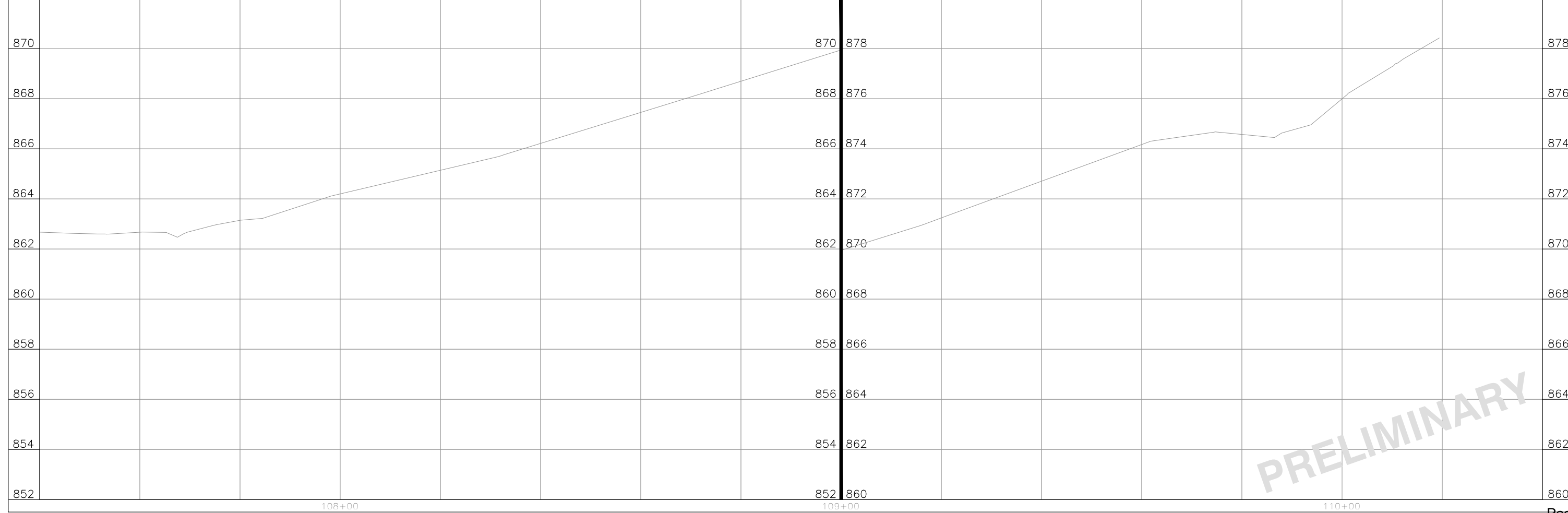
NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.



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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
2021 Water Main Improvements
Bellevue Court (Bremer Road to Card Court)
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
2021 Water Main Improvements
Card Avenue (Larson Street to Bellevue Court)
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
2021 Water Main Improvements
Card Avenue (Larson Street to Bellevue Court)
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 Contro	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

STREET IMPROVEMENTS COST ESTIMATE

CLIENT NAME:
PROJECT NAME:
DATE OF ESTIMATE:

Village of McFarland
Hidden Farm Road- Rural Conversion with Path
Elvehjem Road to Orchard Hill Park Entrance
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
Hidden Farm Road- Rural Section
Elvehjem Road to Orchard Hill Park Entrance
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

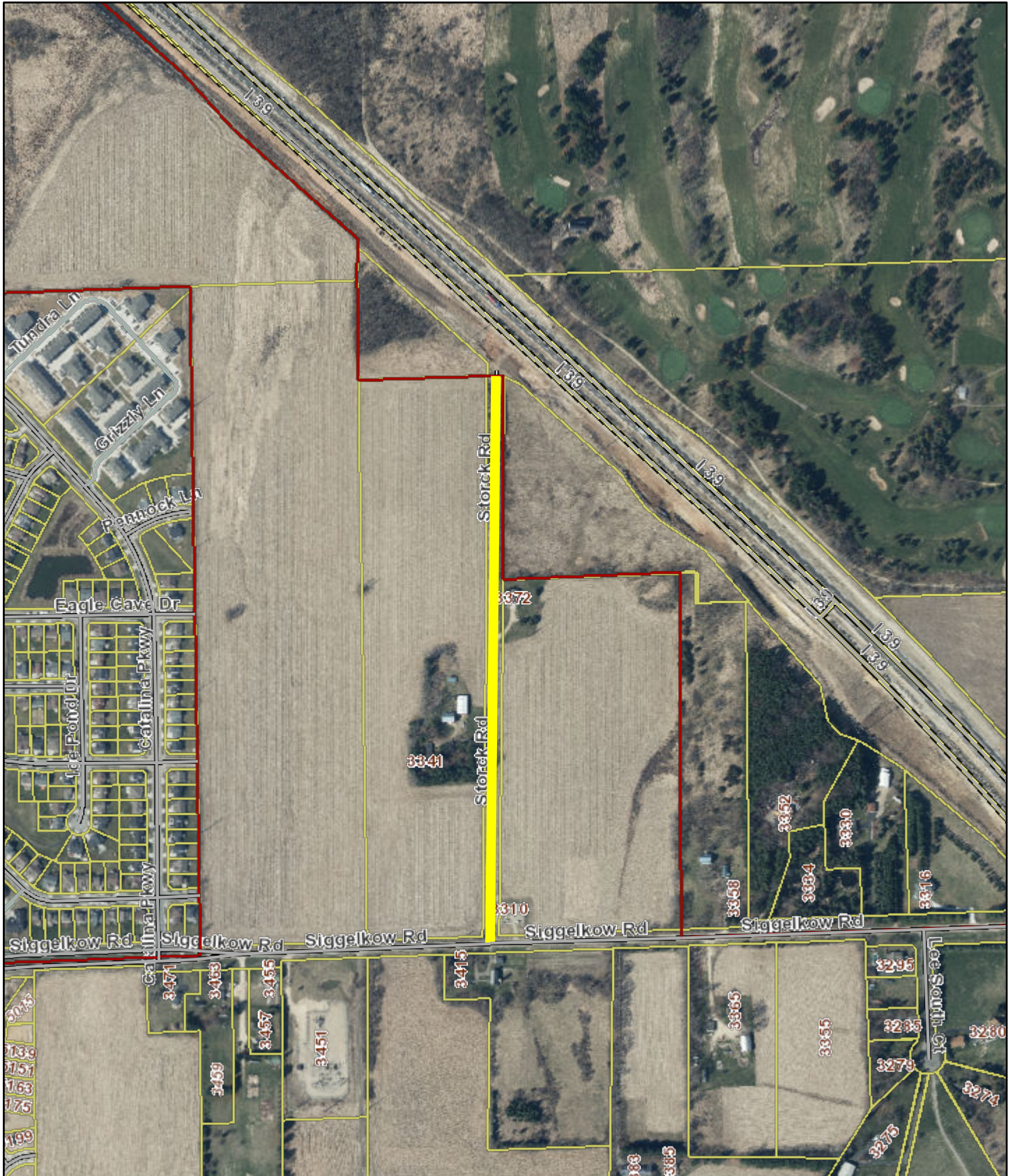
COST ESTIMATE:

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 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.	@	13 %	\$13,991
Resident Inspection	@	4 %	\$4,304.92
Contingency	@	10 %	\$10,762
TOTAL			\$136,681

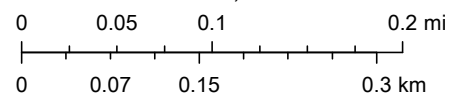
2022 Storck Road Resurfacing



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

1:8,725

- | | | |
|---|---|---|
| Draft CIP | Road Centerlines | Local Road |
| █ 2022 | Interstate Highway | Restricted Access |
| Village | US Highway | Ramp |
| Preliminary Address | State Highway | Named Private Road <small>na</small> |
| Primary Address | County Highway | Parcels |



STREET IMPROVEMENTS COST ESTIMATE

CLIENT NAME:
PROJECT NAME:

Village of McFarland
Storck Road
Siggelkow Road to Termini
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. Pymt 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. Pymt	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 %	\$115,986
Resident Inspection	@	4 %	\$12,758
Contingency	@	10 %	\$4,639.44
			\$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 ⁷	PROJECT COSTS							PROJECT SCORING					General Comments
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non-Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴	
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	
Year Total									\$721,950	\$1,219,700	\$0	\$535,640	\$110,000	\$338,100	\$2,925,500						
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.	
Year Total									\$735,900	\$1,075,800	\$123,500	\$1,124,500	\$134,300	\$233,900	\$3,427,900						

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments		
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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		
Year Total (Including Exchange Street)									\$1,390,300	\$318,100	\$802,000	\$1,319,900	\$939,600	\$3,333,800	\$8,103,700								
Year Total (Excludes Exchange Street)									\$669,400	\$318,100	\$0	\$1,155,400	\$273,600	\$3,333,800	\$5,750,300								
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		
Year Total									\$596,300	\$0	\$0	\$0	\$0	\$0	\$596,300								

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments		
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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		
Year Total									\$563,800	\$0	\$0	\$1,476,000	\$0	\$0	\$2,039,800								
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		
Year Total									\$523,000	\$0	\$0	\$928,500	\$0	\$0	\$1,451,500								
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		
Year Total									\$538,165	\$0	\$0	\$469,700	\$187,744	\$0	\$1,195,700								

Year	Street	From	To	Length	Width	Rating	Pvmt Rtg (Year 5)	Action ⁷	PROJECT COSTS							PROJECT SCORING					General Comments									
									Street	TIF/TID Street	Sewer Utility	Water Utility	Storm Utility	TIF/TID Non- Street	Total	Street ¹⁰	Sewer ¹¹	Water ¹²	Storm ¹³	Ped and Bike ¹⁴		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							
Year Total									\$664,137	\$0	\$0	\$0	\$0	\$0	\$664,200															
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							
Year Total									\$717,321	\$0	\$0	\$810,905	\$0	\$0	\$1,528,300															
TOTAL FOR YEARS 0-8 (Excludes Exchange Street)									\$5,729,974	\$2,613,600	\$123,500	\$6,500,645	\$705,644	\$3,905,800	\$19,579,500															
TOTAL FOR YEARS 0-8 (Includes Exchange Street)									\$6,450,874	\$2,613,600	\$925,500	\$6,665,145	\$1,371,644	\$3,905,800	\$21,932,900															


VILLAGE OF
McFarland
SUMMARY SHEET

MEETING DATE: Tuesday, December 14, 2021

SECTION: Business

DEPARTMENT: Public Works

CONTACT:

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 Public Works Directors 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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