

Phase: Concept Study Bidding

Project Status Active

Projects

Name	Year	Priority	CIP Status	Phase	Phase Completion	Expenditure	Funding	Estimate Date	Date Created	Last Modified
Meadow Trails and Elm Street Water Replacement	2025	High	Board Approved	Bidding	50%	\$7,820,000.00	\$7,820,000.00	April 1st, 2025	May 5th 2025	May 5th 2025
Citywide Asphalt Street Improvements - STUDY	2026	High	Staff Approved	Concept	100%	\$80,000.00	\$80,000.00	March 9th 2025	August 9th 2024	May 2nd, 2025
Water Reservoir Improvements	2026	High	Board Approved	Study	100%	\$1,370,000.00	\$1,370,000.00	June 30th 2022	August 9th 2024	May 5th 2025
County Road 15 Shared Use Path	2026	Medium	Staff Approved	Concept	75%	\$1,250,000.00	\$1,190,000.00	October 16th, 2024	November 5th 2024	April 17th, 2025
Lead Service Line Replacement - STUDY	2026	Medium	Board Approved	Concept	100%	\$50,000.00	\$50,000.00	January 1st, 2022	August 9th 2024	May 5th 2025
Elm Street Sidewalks - Meadow Trails to Downtown - STUDY	2027	High	Staff Approved	Concept	100%	\$80,000.00	\$80,000.00	January 3rd 2022	August 9th 2024	April 27th 2025
5th Avenue Sidewalks and Drainage	2027	Low	Staff Approved	Concept	100%	\$710,000.00	\$710,000.00	January 24th 2023	August 9th 2024	May 5th 2025
Storm Sewer and Drainage - Master Plan	2028	Medium	Staff Approved	Concept	20%	\$110,000.00	\$110,000.00	November 29th 2022	August 9th 2024	May 5th 2025
Asbestos Cement Pipe (ACP) Water Main Replacement	2029	Medium	Board Approved	Concept	100%	\$1,780,000.00	\$1,690,000.00	December 20th 2021	August 9th 2024	May 5th 2025
3rd/5th Avenue Sanitary Sewer Replacement - Elm Street to Spruce Street	2030	Medium	Board Approved	Concept	100%	\$730,000.00	\$730,000.00	February 1st, 2022	August 9th 2024	February 2nd, 2025
Braaten Addition Sewer Force Main Improvements - STUDY	2030	Medium	Staff Approved	Concept	10%	\$80,000.00	\$80,000.00	October 20th 2023	August 9th 2024	May 5th 2025
Downtown Improvements	2030	Medium	Staff Approved	Concept	100%	\$13,340,000.00	\$13,340,000.00	February 1st, 2022	August 9th 2024	February 2nd, 2025
Elm Street (West) Improvements - STUDY	2030	Medium	Staff Approved	Concept	0%	\$80,000.00	\$80,000.00	October 20th 2023	August 9th 2024	May 5th 2025
Public Works Facility	2030	Medium	Staff Approved	Concept	0%	\$1,920,000.00	\$1,920,000.00	February 4th 2025	February 4th 2025	April 17th, 2025
Water Storage Improvements - STUDY	2034	High	Board Approved	Concept	100%	\$140,000.00	\$140,000.00	January 1st, 2022	August 9th 2024	March 3rd 2025
Water Tower Coating	2034	Low	Board Approved	Concept	100%	\$630,000.00	\$630,000.00	March 2nd, 2022	August 9th 2024	November 5th 2024
Water Storage Improvements	2035	Low	Board Approved	Concept	100%	\$2,030,000.00	\$2,030,000.00	June 30th 2022	August 9th 2024	February 11th, 2025

Records per page: All ▼ 1-17 of 17

Page Intentionally Left Blank



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
N/A

City of Kindred, ND

Meadow Trails and Elm Street Water Replacement

2025

Estimated Year

CIP Status
Board Approved

Phase
Bidding
50% Complete

Priority
High

Category
Regional

Department
Public Works

PURPOSE AND NEED

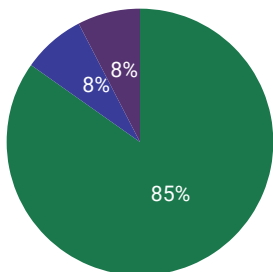
The Meadow Trails development is intended to add additional residential and commercial lots providing for a mix of housing types and business opportunities. The development will add additional recreation spaces. It was also determined to complete the Elm Street Water Replacement project at the same time to capture economy of scale on pricing. The Elm Street water main is consists of sections of 4" asbestos cement pipe (ACP) estimated to be installed in the 1960's or earlier. Some sections include 6" PVC that was installed in 1979 and 2013. This section of water main has experience several water main breaks in the past. After evaluating a water system model, it recommended to upsize this water main to an 8" diameter pipe.

SCOPE

Meadow Trails includes installation of sanitary sewer main and services, water main and services, storm sewer mains, temporary size detention pond, sanitary sewer lift station, temporary storm sewer lift station, urban asphalt streets, sidewalks, paths, and street lights. Elm Street water replacement includes replacing water main with 8" PVC and replacing water services adjacent to the water main, which is between the RRV&W railroad tracks and the Cass Rural Water entrance.

\$7,820,000

Total Project Cost



FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

Water Revenue
Special Assessment

\$7,225,000
\$595,000
\$6,630,000

Outside Funding

DWR

\$595,000
\$595,000



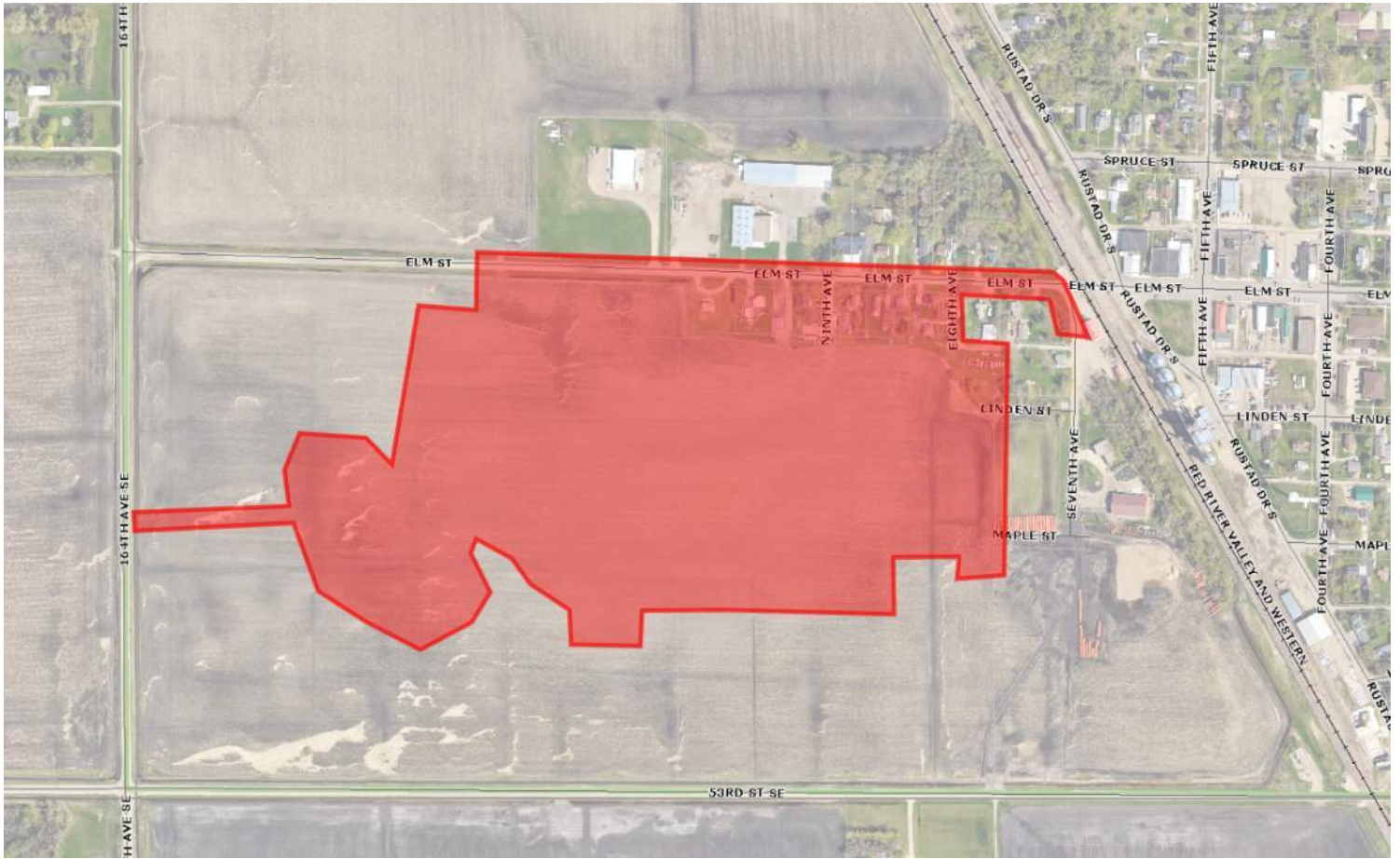
CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
N/A

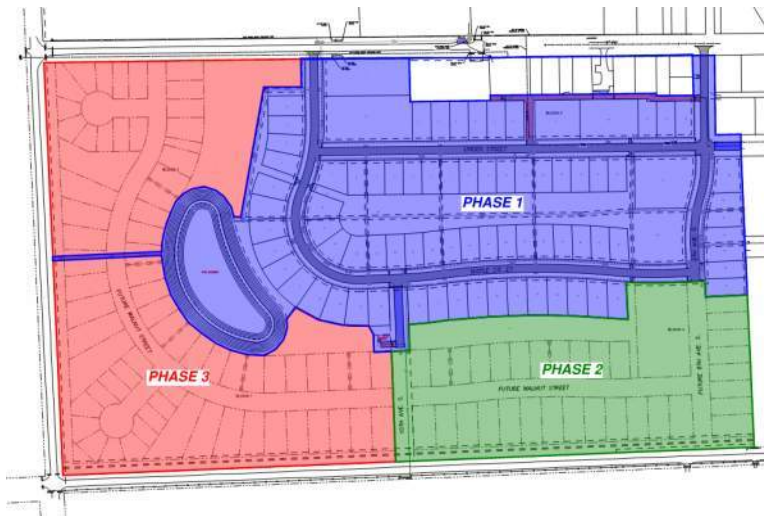
City of Kindred, ND

Meadow Trails and Elm Street Water Replacement

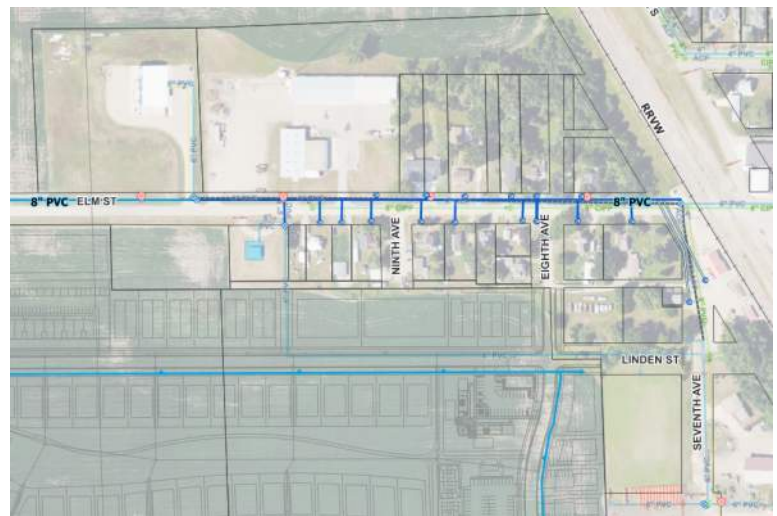
PROJECT LOCATION



PROJECT PICTURES



Meadow Trails Phasing



Elm Street Water Replacement Scope



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

Citywide Asphalt Street Improvements - STUDY

2026

Estimated Year

CIP Status
Staff Approved

Phase
Concept
100% Complete

Priority
High

Category
Regional

Department
Public Works

PURPOSE AND NEED

The last citywide street maintenance project was completed in 2014, which include some isolated asphalt milling & overlaying, with all streets receiving micro-surfacing. A typical residential asphalt street will last on average 15-20 years until failure without any maintenance. With regular inspections (every 2 to 5 years), pavement deficiencies are noticed in the early stages and can be repaired before they are allowed to progress and cause significant performance issues. With most streets going on more than 10 years without a chip seal, it is recommended to complete an evaluation of the condition of streets to determine recommended improvements to maintain the useful life of the streets.

SCOPE

Typical asphalt street improvements recommended would consist of crack sealing, minor drainage or settlement corrections in curb & gutter, asphalt milling and overlaying, and potential complete replacements. A study would be conducted to evaluate the conditions of the streets, recommend proposed improvements, determine project costs and funding, which would be documented in the Engineer's Report. The study area is shown in the Project Location map.

\$80,000

Total Project Cost

100%

FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

\$80,000 Outside Funding

\$0

■ Undetermined

\$80,000

Funding Notes:

City will need to determine fund to use for study phase fees. The study phase fees can be included in an Improvement District in future, if created for funding via special assessments.

Capital Financing can typically be done using a Bank of ND Infrastructure Revolving Loan at 2.0% interest.



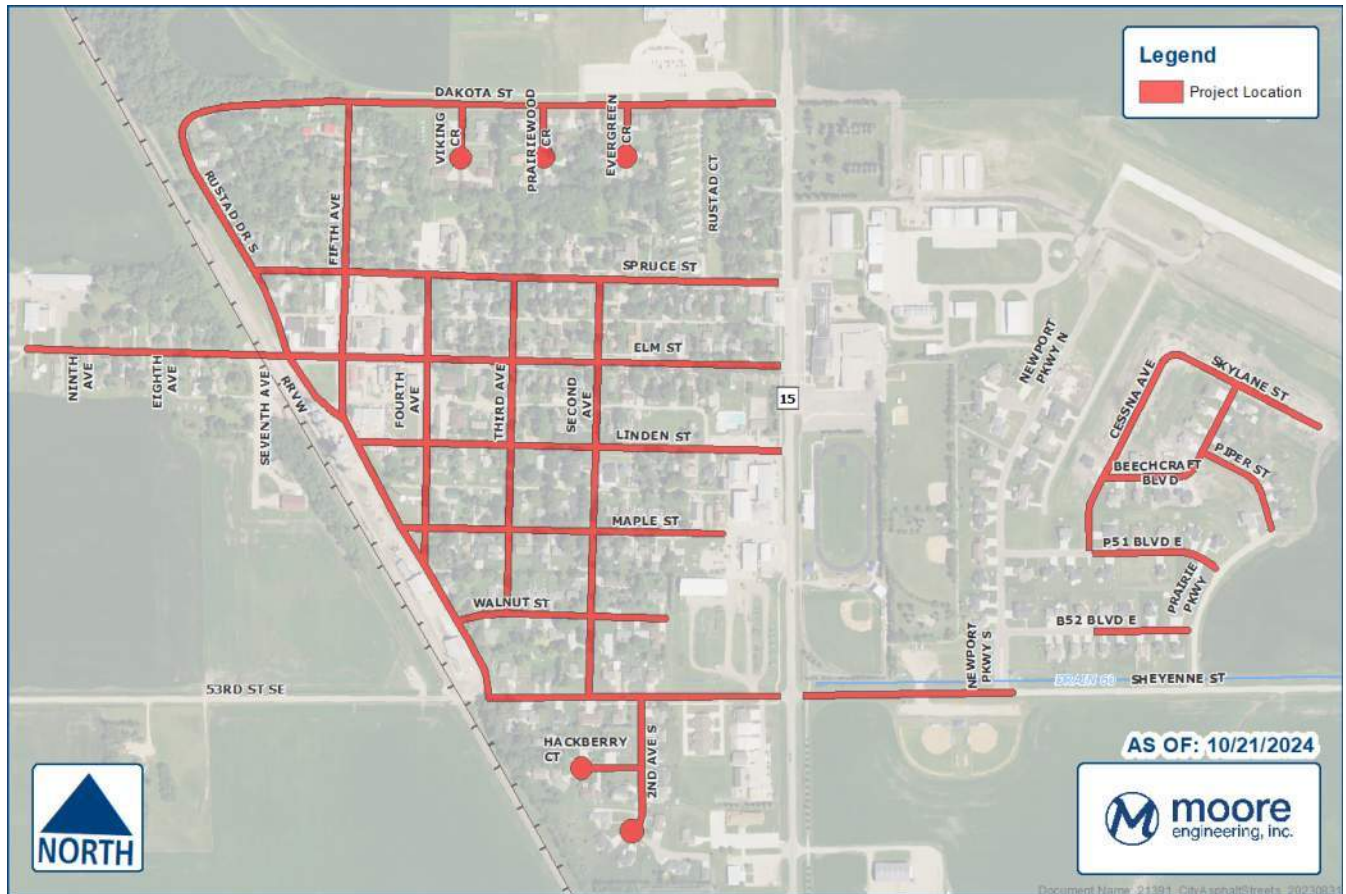
CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

Citywide Asphalt Street Improvements - STUDY

PROJECT LOCATION



Study Area

PROJECT PICTURES



Elm Street looking west (2021)



Linden Street looking west (2021)



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
TBD

City of Kindred, ND
Water Reservoir Improvements

2026

Estimated Year

CIP Status
Board Approved

Phase
Study
100% Complete

Priority
High

Category
Regional

Department
Public Works

PURPOSE AND NEED

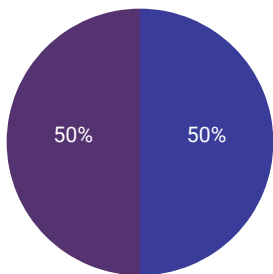
The existing water reservoir pump house was constructed in about 1992. Several components such as the pumps and flow meters are original and nearing the end of their normal service life. The controls system also does not have monitoring of all process flows and is not reading flow rates accurately. The pump station also is reliant on the electric power grid and there is no permanent backup power source installed. The site conditions have not been improved and existing pavement and gravel result in standing water and poor building access at times. Lastly, the reservoir access hatch is flush with the ground surface and not in compliance with current standards.

SCOPE

The proposed project would include replacing the existing flowmeter, replacing and upgrading the control system to allow for better monitoring and control, replacing pumps with new VFD pumps which will reduce pressure surges and possible pipe stressing, adding a permanent generator with automatic power transfer to provide electrical backup, improve driveway access, and modify the reservoir access hatch.

\$1,370,000

Total Project Cost



FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

Water Revenue

\$685,000

\$685,000

Outside Funding

DWR

\$685,000

\$685,000

Funding Notes:

The Department of Water Resources (DWR) cost-share policy provides 60% cost-share towards eligible project expenses. Cost-share of \$33,600 for the Engineer's Report was approved in August 2024. Another Cost-Share application for design and bidding phase was submitted on 4/28/2025. A DWSRF loan can be used to finance the local share.

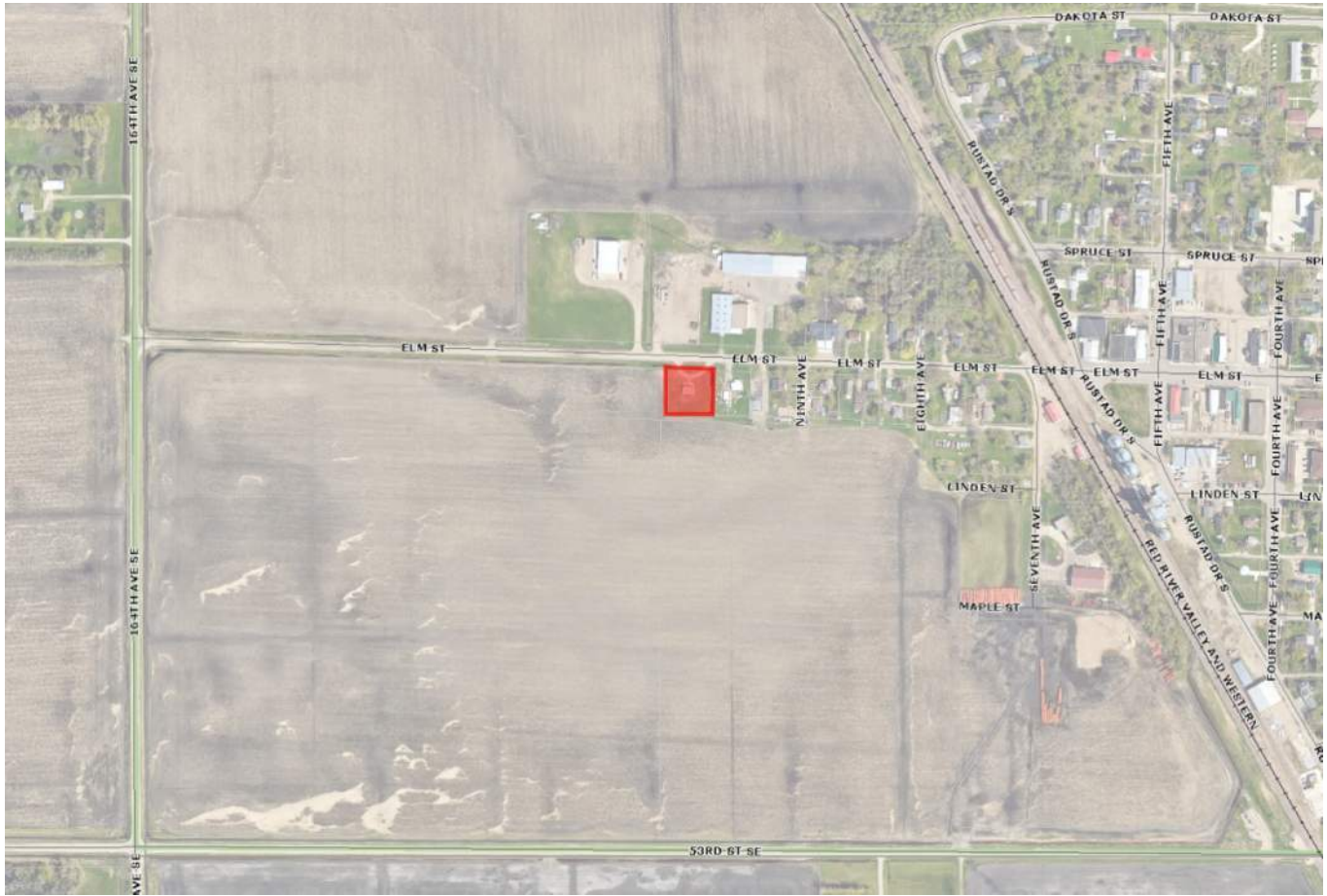


CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
TBD

City of Kindred, ND
Water Reservoir Improvements

PROJECT LOCATION



PROJECT PICTURES



Existing Process Piping



Existing Hatch and Propane Tank



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
N/A

City of Kindred, ND
County Road 15 Shared Use Path

2026

Estimated Year

CIP Status
Staff Approved

Phase
Concept
75% Complete

Priority
Medium

Category
Regional

PURPOSE AND NEED

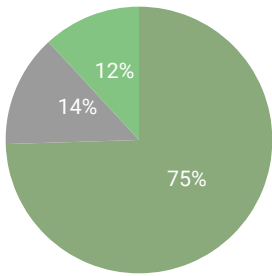
The 8' wide asphalt shared use path along the highway has not been properly maintained and is currently cracking and creating trip hazards for pedestrians.

SCOPE

The County has decided to replace the asphalt path with a new 10' wide concrete path. The City has requested a crossing at the south side of Sheyenne Street with flashing signs.

\$1,250,000

Total Project Cost



FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

■ Undetermined

\$162,146

\$162,146

Outside Funding

■ Transportation Alternatives (TA) -...

■ County Cost Share

\$1,027,854

\$886,708

\$141,146

Funding Notes:

The County is initially recommending a 50% cost-share with the City on remaining local share after any grants. The County is submitting for a NDDOT Transportation Alternatives grant in December 2024.



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

N/A

City of Kindred, ND

County Road 15 Shared Use Path

PROJECT LOCATION



Map provided by Cass County Highway Department

PROJECT PICTURES



Path looking south from Sheyenne Street



Path looking north from Sheyenne Street



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

Lead Service Line Replacement - STUDY

2026

Estimated Year

CIP Status
Board Approved

Phase
Concept
100% Complete

Priority
Medium

Category
Regional

Department
Public Works

PURPOSE AND NEED

Replacement of the existing lead water services will help improve the water quality and remove a potential health risk for the water users.

Per EPA.gov website:

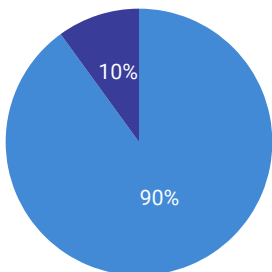
EPA has set the maximum contaminant level goal for lead in drinking water at zero because lead is a toxic metal that can be harmful to human health even at low exposure levels. Lead is persistent, and it can bioaccumulate in the body over time. Young children, infants, and fetuses are particularly vulnerable to lead because the physical and behavioral effects of lead occur at lower exposure levels in children than in adults. A dose of lead that would have little effect on an adult can have a significant effect on a child. In children, low levels of exposure have been linked to damage to the central and peripheral nervous system, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells.

SCOPE

The Engineering Study will intend to identify the locations of all lead lines and further determine surface improvements necessary for replacement of the lead lines. The phasing and timing for replacement will be dependent on coordinating with other improvements.

\$50,000

Total Project Cost



FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

Water Revenue

\$5,000 Outside Funding

\$5,000 DWSRF Loan Forgiveness

\$45,000

\$45,000

Funding Notes:

Lead Service Line Replacement (LSLR) projects through the ND DWSRF may be eligible loan forgiveness. DWSRF uses the project priority list (PPL) to identify and rank LSLR projects pending available funds. Need to keep your LSLR project on the PPL each year and continue to monitor situation with Federal funding available.



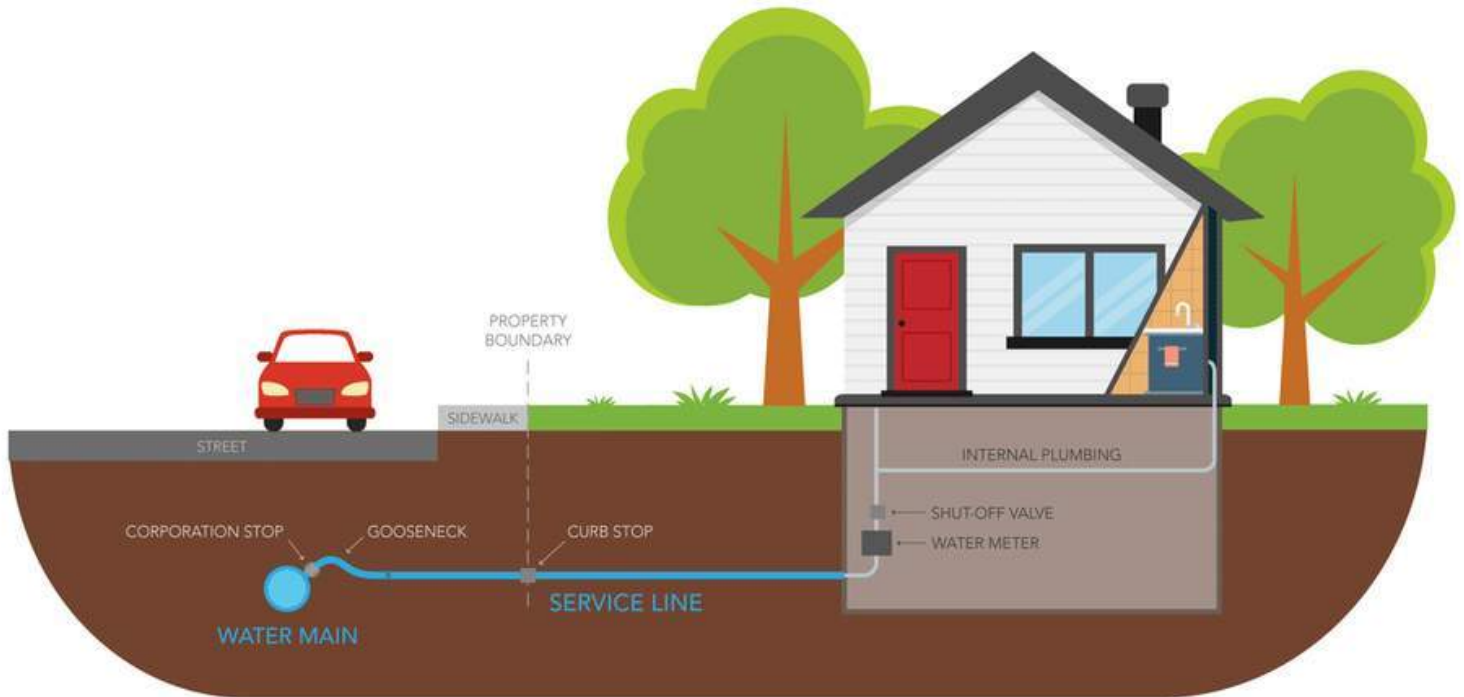
CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

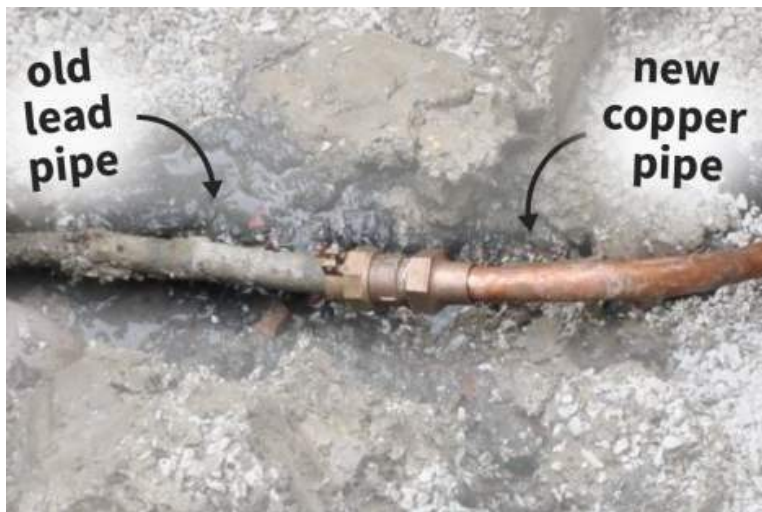
Lead Service Line Replacement - STUDY

PROJECT LOCATION



Water

PROJECT PICTURES



Lead Pipe Example



Lead Pipe Example



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND
5th Avenue Sidewalks and Drainage

2027

Estimated Year

CIP Status
Staff Approved

Phase
Concept
100% Complete

Priority
Low

Category
Local

Department
Public Works

PURPOSE AND NEED

The City of Kindred studied the 5th Avenue corridor in 2022-2023 to replace the existing sidewalks and complete the sidewalk system and improve drainage on the east side of the roadway (Moore Project #21391). The project costs were too high to be constructed with Dakota Street sidewalks in 2024, so the work was put on hold to be considered at a future date.

SCOPE

The proposed project would include removing all sidewalks and installing a new 4-foot wide sidewalk. Additionally, drainage improvements would be completed within the corridor.

\$710,000

Total Project Cost

FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

■ Undetermined

\$710,000 Outside Funding

\$710,000

\$0

100%



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

5th Avenue Sidewalks and Drainage

PROJECT LOCATION



PROJECT PICTURES



Looking south on west side of 5th Avenue



Looking north on east side of 5th Avenue



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID
TBD

City of Kindred, ND
Storm Sewer and Drainage - Master Plan

2028
Estimated Year

CIP Status
Staff Approved

Phase
Concept
20% Complete

Priority
Medium

Category
Regional

Department
Public Works

PURPOSE AND NEED

As the City continues to grow, existing drainage within the original townsite areas and the new areas of development will need a consistent and efficient way to handle storm water. This includes conveyance of storm water through town, storage within town to limit discharges, and outlet locations and discharge rates that will impact downstream properties. As of right now, there is not an overall plan on how to handle current and future storm water discharges from existing properties and future properties that will be developed. The goal of this Master Plan will be to provide the guidance necessary to meet the goals of the City on how to handle storm water throughout town.

SCOPE

A comprehensive study of existing and future storm sewer and drainage throughout town. The final product will be a Storm Sewer and Drainage Master Plan that can be used as a reference to guide the City Council on improvements to existing storm sewer and drainage infrastructure and how future infrastructure will be constructed to meet the overall goals of the City.

\$110,000
Total Project Cost

FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding
■ Undetermined

\$110,000 **Outside Funding**
\$110,000

\$0

100%



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

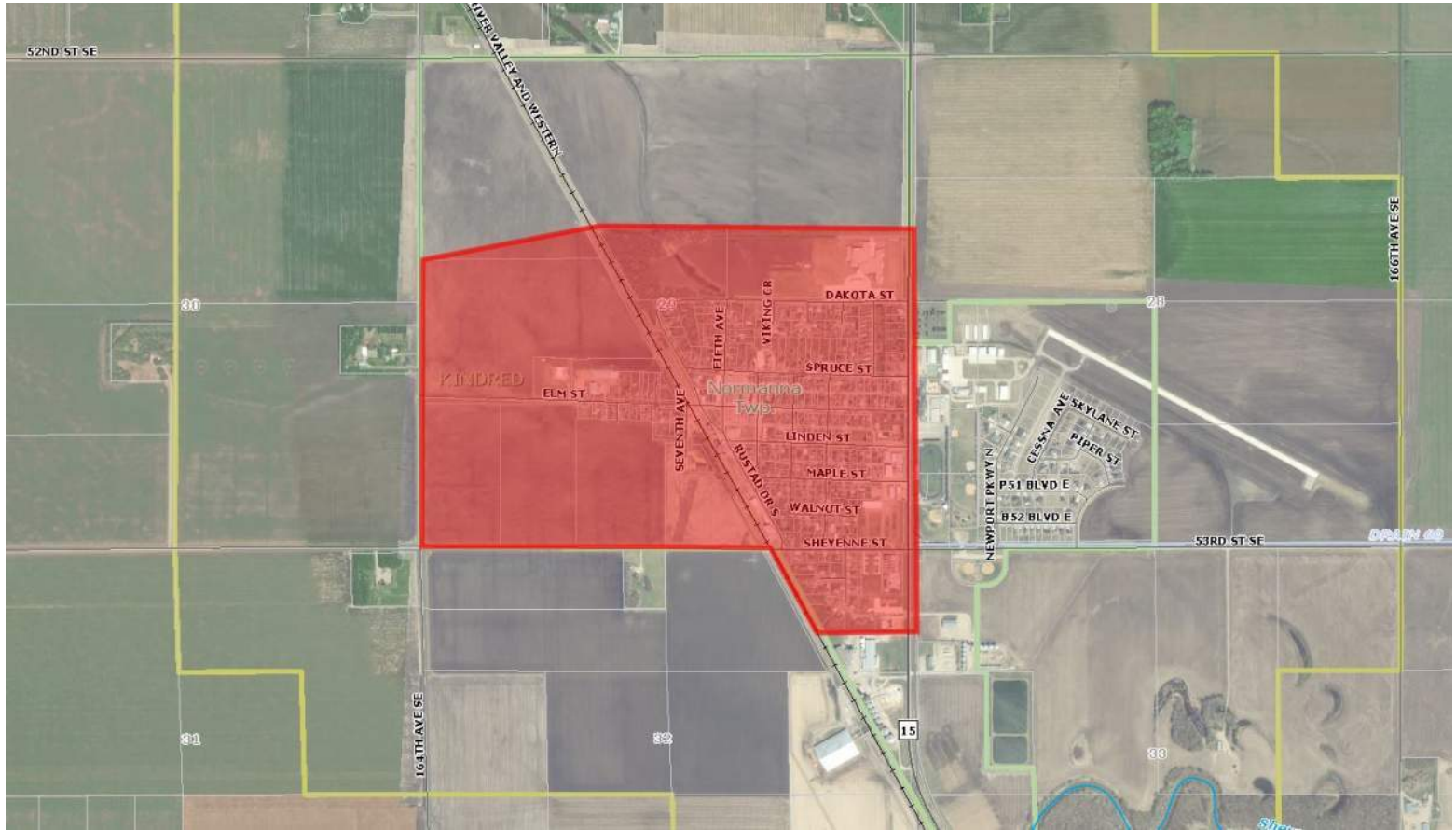
Owner ID

TBD

City of Kindred, ND

Storm Sewer and Drainage - Master Plan

PROJECT LOCATION



Project Location

PROJECT PICTURES



Spruce Street and 5th Ave - Drainage Issue



4th Ave south of Linden Street - Drainage Issue



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

Asbestos Cement Pipe (ACP) Water Main Replacement

2029

Estimated Year

CIP Status
Board Approved

Phase
Concept
100% Complete

Priority
Medium

Category
Regional

Department
Public Works

PURPOSE AND NEED

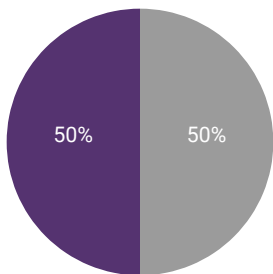
The asbestos cement pipe (ACP) water main was a pipe material used prior to 1975. When ACP water main ages, it becomes brittle over and can be prone to water main breaks. A city-wide water main replacement project occurred in 1979 replacing ACP water mains with PVC. However, segments of ACP were not replaced during this project. The remaining ACP pipe is nearing the end of its useful life which is typically 50-75 years, so replacement when feasible (during street reconstruction) should be done to prevent unwanted future water main breaks that can become costly to repair in an emergency or during the winter. Priority for ACP Replacement (Consider Lead Service Replacement at the same time): 1. Elm Street 2. Rustad (NW) 3. Maple Street / 4th Avenue 4. Walnut Street / 2nd Avenue.

SCOPE

The project includes the replacement of the existing Asbestos Cement Pipe (ACP) water main throughout several blocks and the upsizing of the water main in various locations to 6" minimum, see Project Location map for areas of work. The project will also replace existing gate valves, fire hydrants, water services, and curb stops within the water main replacement areas. The cost for patching and replacement of streets and driveways as required for the replacement of water mains and water services is not included in the total project cost. It is assumed that the water main will be replaced when streets are reconstructed, so the exact schedule for improvements is undefined. NOTE: ACP replacement on 7th Ave can be removed if abandoned on Meadow Trails project (2025).

\$1,780,000

Total Project Cost



FUNDING INFORMATION

*Cost includes 5% inflation per year

Local Funding

\$845,000 Outside Funding

\$845,000

■ Undetermined

\$845,000 ■ DWR

\$845,000

Funding Notes:

The Department of Water Resources (DWR) cost-share policy provides 60% cost-share towards eligible project expenses. A formal Cost-Share application will need to be submitted prior to the start of the Study. The City must follow NDCC requirements for engineering cost-share reimbursement. A DWSRF loan can be used to financing the capital cost of the local share.



CAPITAL IMPROVEMENT PLAN - PROJECT SUMMARY

Owner ID

City of Kindred, ND

Asbestos Cement Pipe (ACP) Water Main Replacement

PROJECT LOCATION



Project Location

PROJECT PICTURES



Example ACP Pipe Failure



Existing Fire Hydrant