

# Street & Storm Sewer Improvement District No. 2022-1 Sewer & Water Improvement District No. 2022-2 Mayville, ND

Presenters: Brandon Oye and Brandon Reber

May 18, 2021 at 6:00 pm  
Mayville Armory



**moore**  
engineering, inc.



# Brandon Oye, PE



Senior Project Manager

15 years experience with Moore

Completed previous citywide street projects in Casselton, Mapleton, Kindred, Page, Hatton and Harvey



# Brandon Reber, PE



Professional Engineer

9 years experience with Moore

Recent projects in West Fargo, LaMoure,  
Kindred, and Waubun, MN



# Overview

- Purpose of Public Information Meeting
- Need for Improvements
- Overview of Study Phase
- Proposed Projects
- Proposed Project Schedule
- Questions
- Open House

# Purpose of Public Information Meeting



- **Be informed**
  - Project need and scope
  - Protest process
- **Ask questions**
  - End of presentation
  - Open forum after presentation





# Citywide Study - Need

- City of Mayville wanted to address streets
  - No Street work done by City in 20 Years
  - City wanted comprehensive review and improvements
- Aged Pavement
- Drainage issues expedite pavement deterioration
- Utility needs assessed prior to street improvements





# Citywide Study - Need



Wastewater Back-up in Manhole



Water Ponding in Streets



# Citywide Street Study - Need

9th Avenue SE (next to Casey's General Store)



2013 Looking North – Via Google Earth



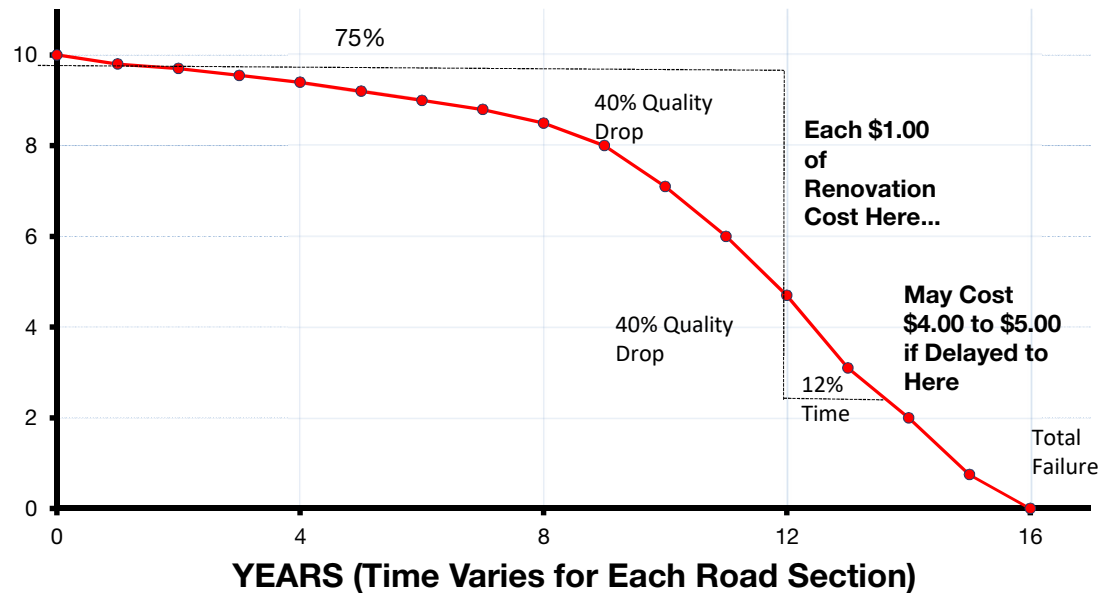
2018 Looking South – Via Google Earth





# Pavement Preservation & Timeliness

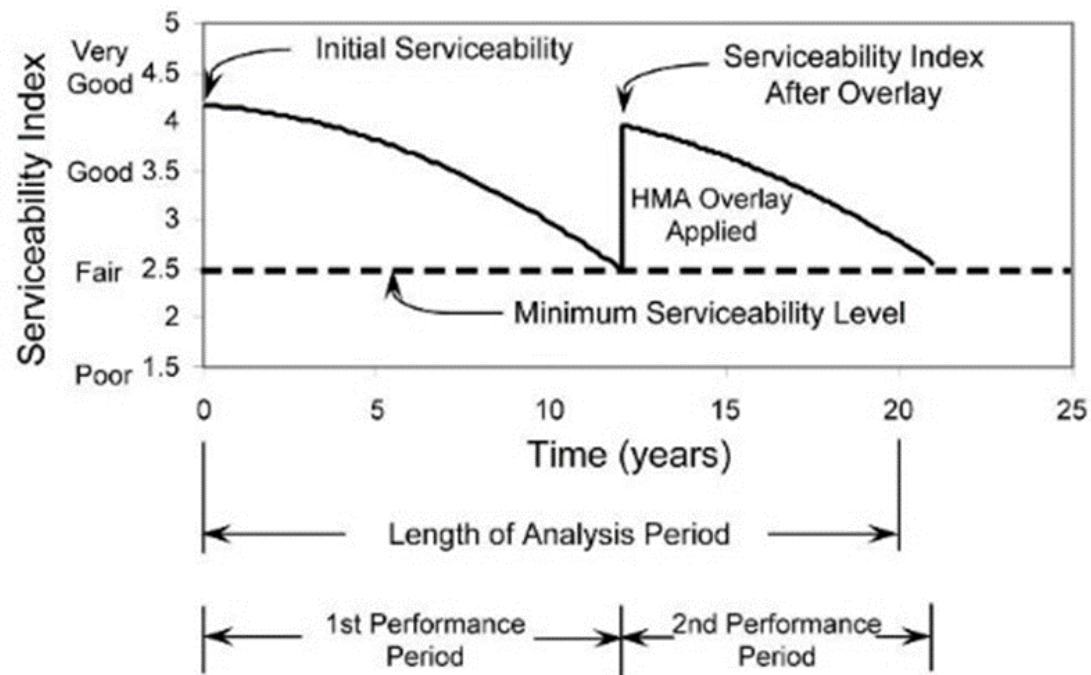
**Cost of 'Timely' Maintenance**



HMA Materials, Mixture Design and Construction – NCAT, Auburn University



# Pavement Preservation & Timeliness





# Citywide Study - Timeline

- **Study Scoping Meeting with City - September 2018**
  - Preliminary Scope of Study determined
  - City wanted Public Feedback prior to Study Phase start
- **Public Input Meeting No. 1 – January 2019**
  - Study Phase put on hold
- **Study Phase Commenced – May 2020**
- **Meetings during Study Phase – City Ownership in Project Scope**
  - City Project Committee – 4 meetings
  - Special Assessment Commission – 2 Meetings
- **Public Input Meeting No. 2 – February 2021**
- **Engineer's Report Approved – May 3, 2021**



# Citywide Study - Scope

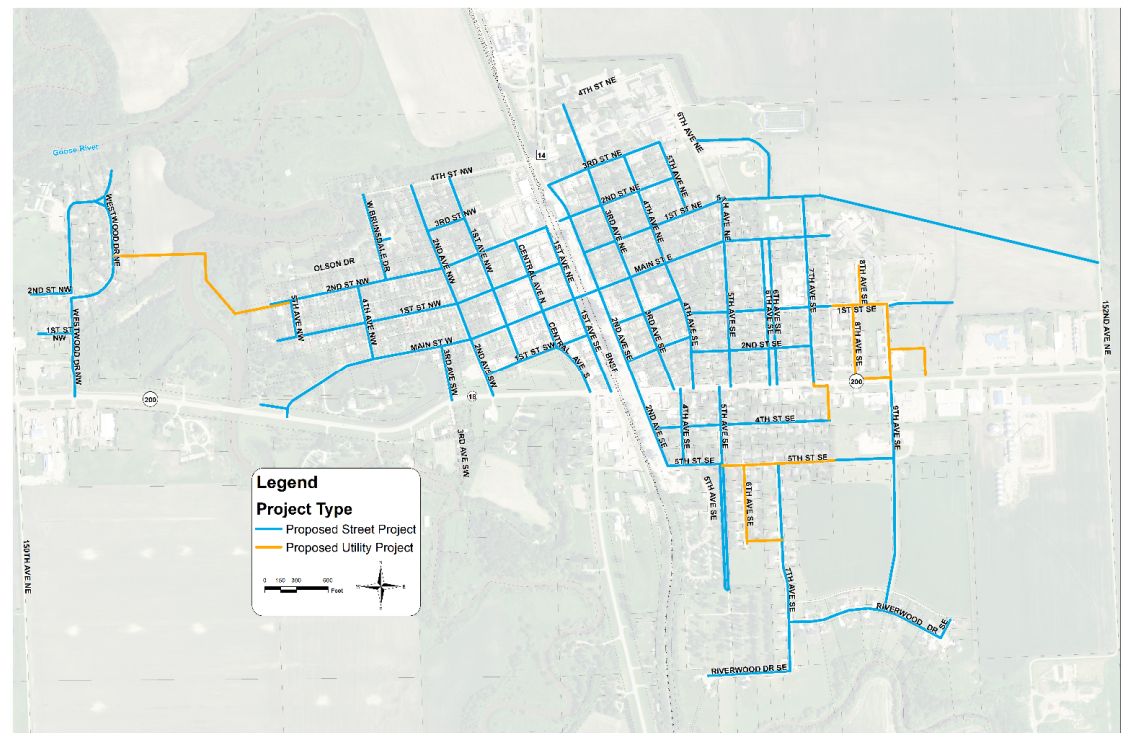
- **Streets**
  - Pavement
  - Curb & Gutter
  - Downtown Alleys
- **Drainage & Storm Sewer**
- **Sanitary Sewer**
  - Addressing Identified Issues
- **Water Main**
  - Replacing Aged Pipe
  - Providing Fire Protection
- **Alternate Work**
  - Peter J. Boe Elementary School
  - Mayville State University
  - City Owned parking lots

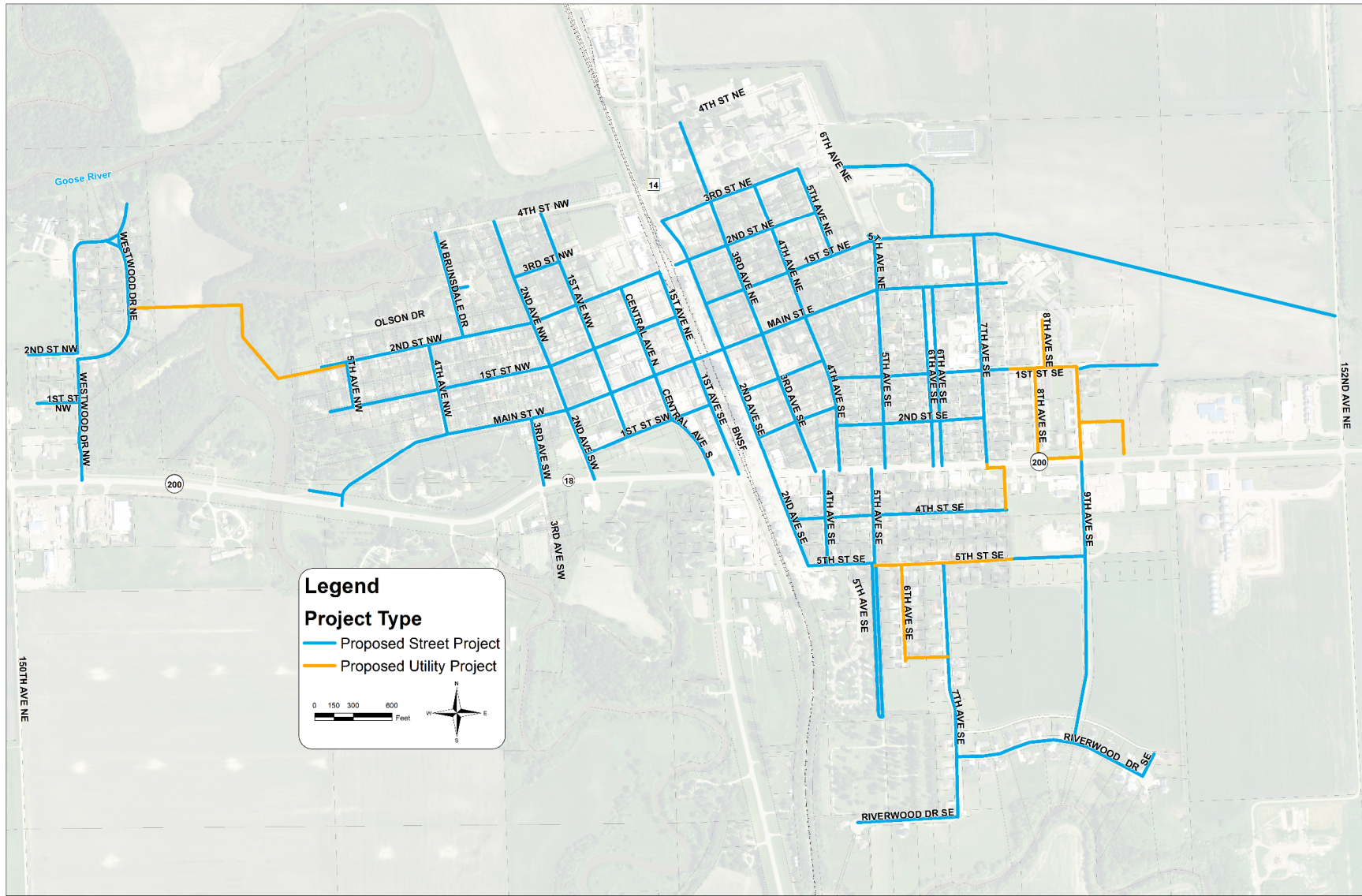




# Proposed Projects

- Two Proposed Projects
  - Scope of Work
  - Funding
- “Street Project”
  - Majority of street work
  - Storm Sewer & Drainage
- “Utility Project”
  - Sanitary Sewer
  - Water Main
  - Associated Streets







# Street Project

- Street & Storm Improvement District 2022-1
  - Estimated Project Cost \$13,835,000
  - Bank of North Dakota Infrastructure Loan
  - Special Assessments
- Storm Sewer & Drainage
  - Storm Sewer Extensions
  - Drainage Improvements
- Streets
  - Street Improvements
  - ADA Ramps
  - Downtown Alleys
- Alternate Work
  - Peter J. Boe Elementary School
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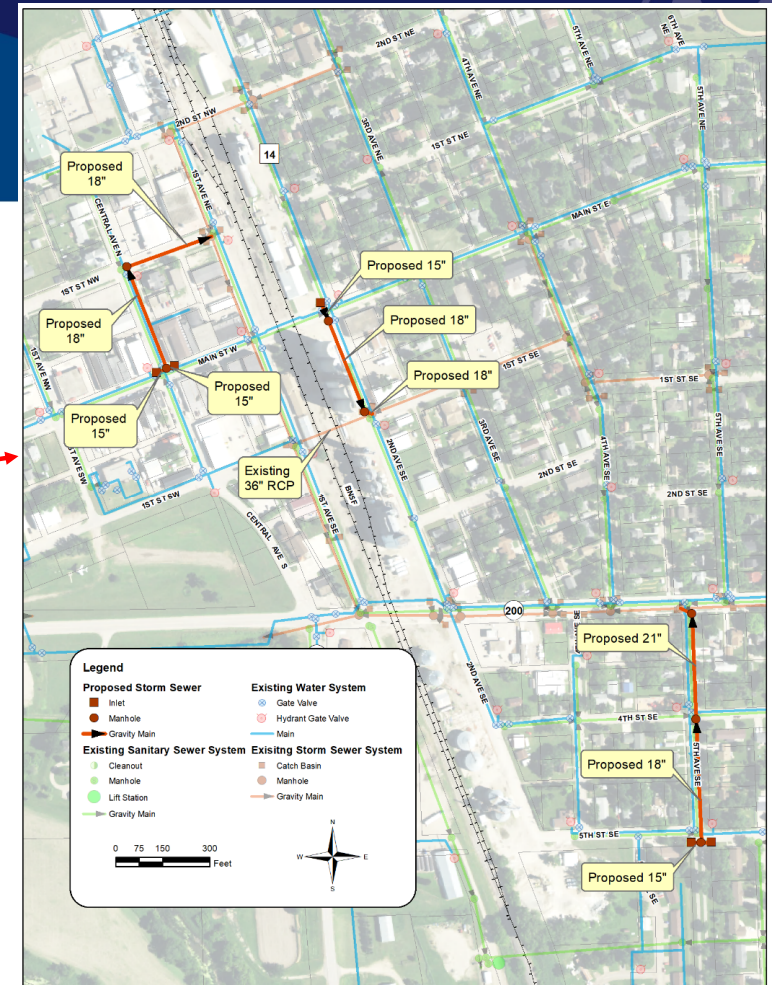
- **Storm Sewer Extensions**
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- Streets

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- ADA Ramps
- Downtown Alleys

- Alternate Work

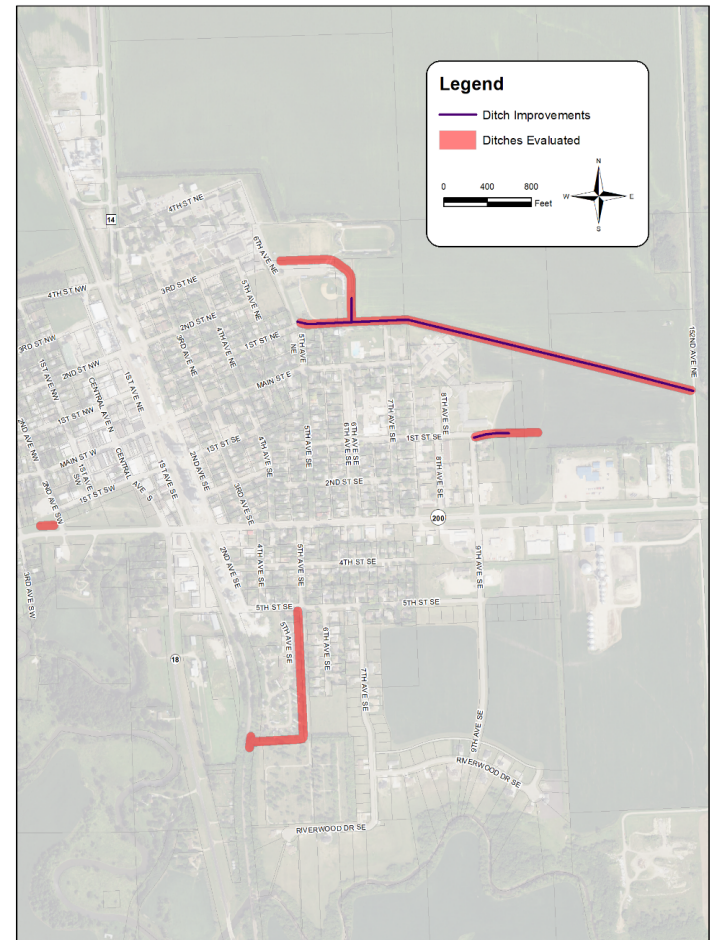
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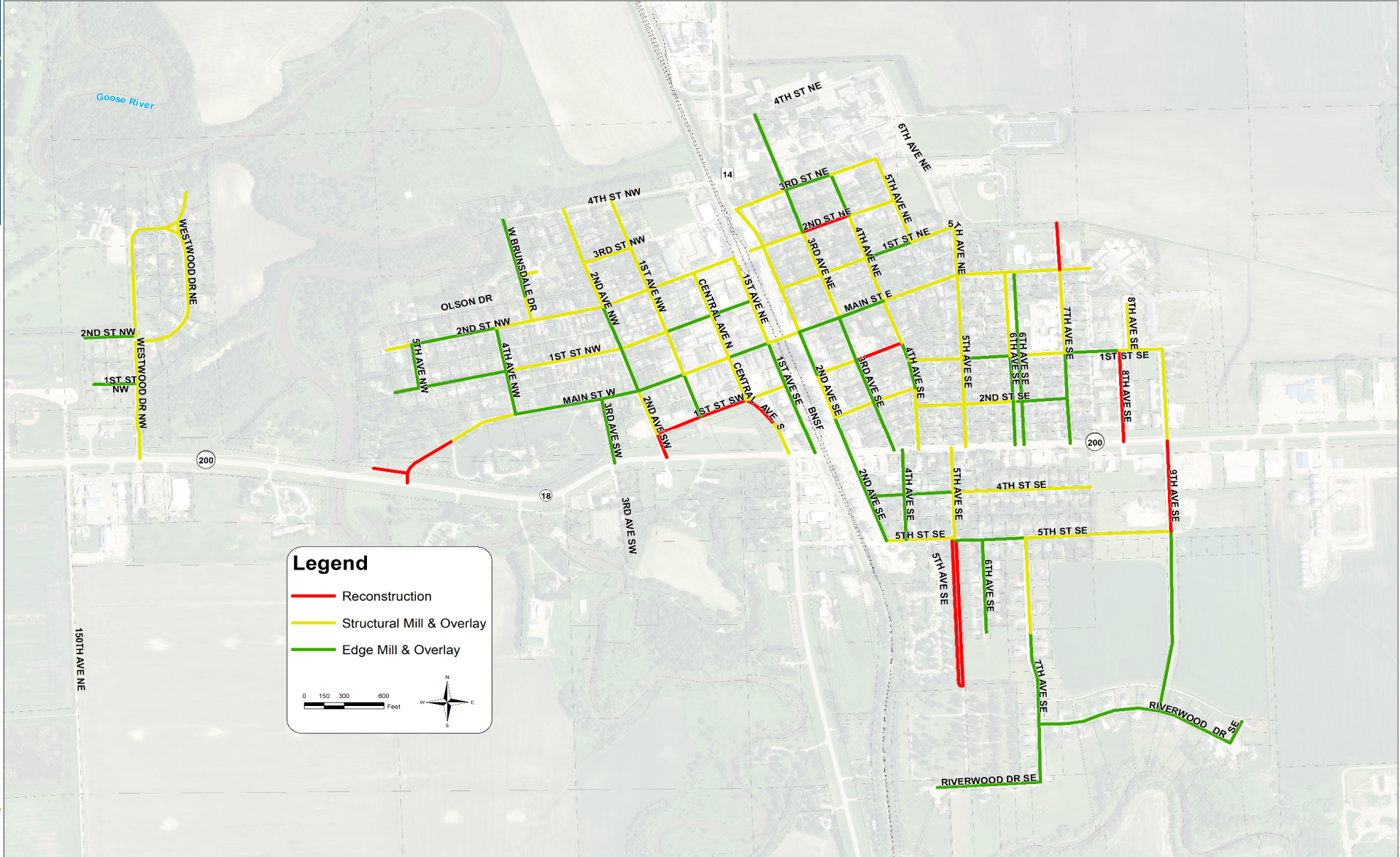


# Street Project

- **Street Improvements**

- Mill & Overlay, Structural Overlay, Reconstruction
- Patching, Leveling, Crack Repair
- Curb & Gutter
- Seal Coat
- Sidewalk ADA Ramps





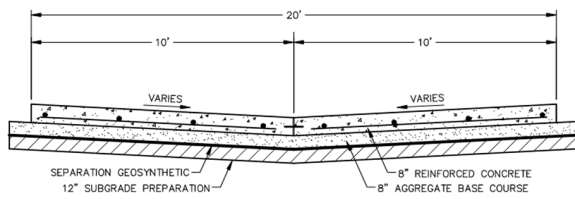


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# Street Project

- Downtown Alleys
  - 20' Wide Concrete Pavement
  - Inverted Crown



**CONCRETE PAVEMENT SECTION**  
NO SCALE  
MUNI-321313-11 06.21.18





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# Utility Project

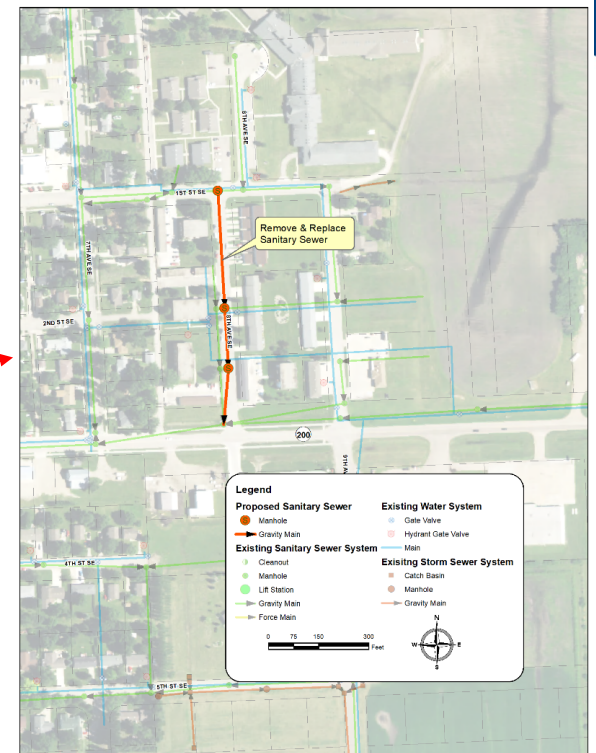
- Sewer & Water Imp. District 2022-2
  - Estimated Project Cost \$3,825,000
  - USDA Rural Development Grant & Loan Package
  - Utility Rate Increase & Special Assessments
- Sanitary Sewer
  - 8<sup>th</sup> Avenue SE Sewer Replacement
- Water Main
  - ACP Water Replacement
  - Westwood Acres Fire Protection
  - Hydrant Coverage





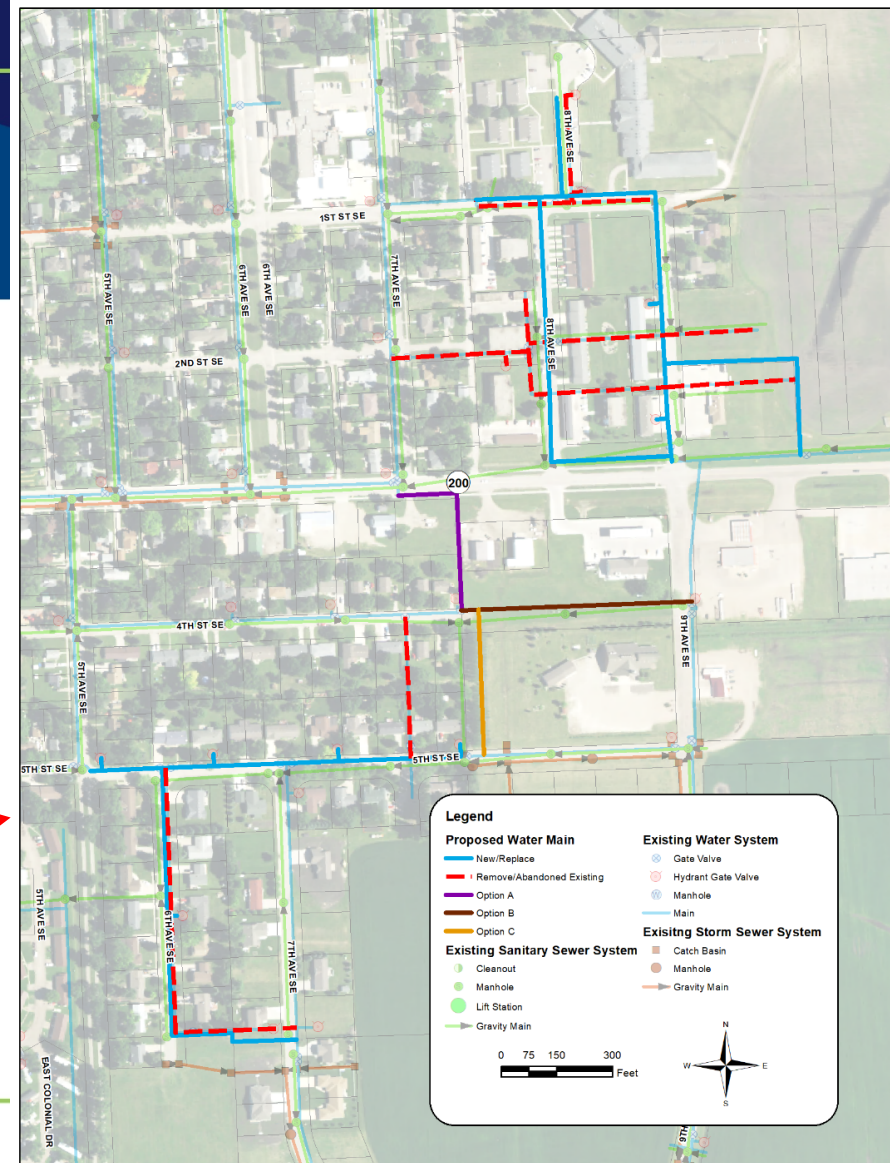
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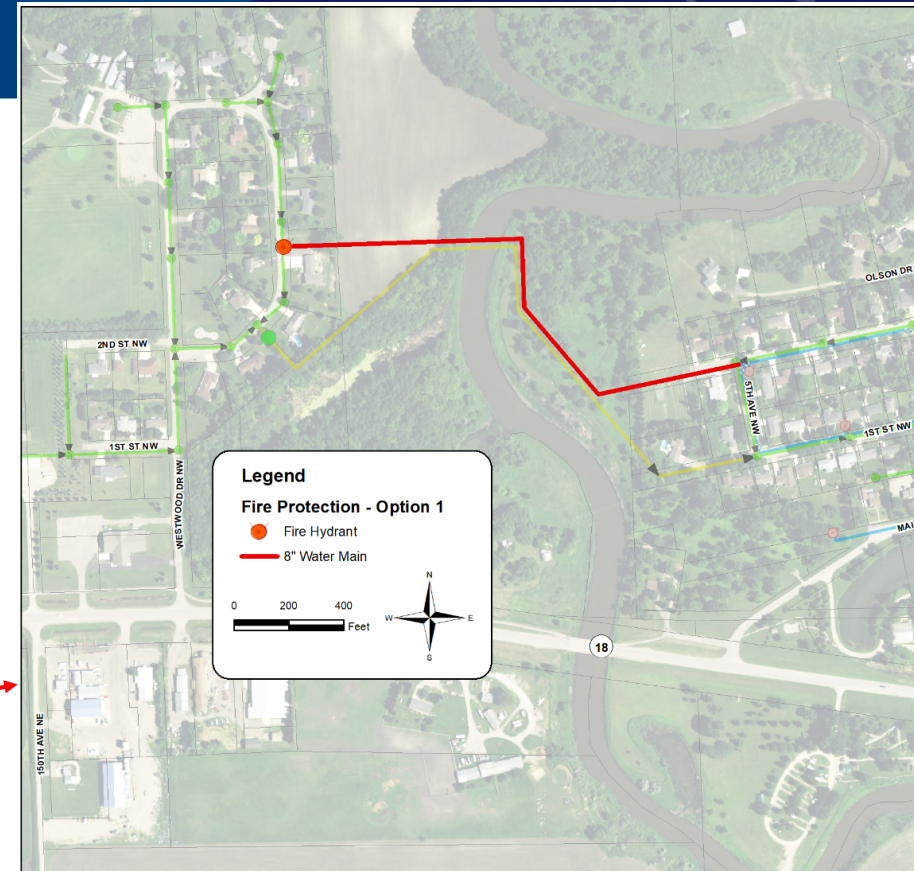
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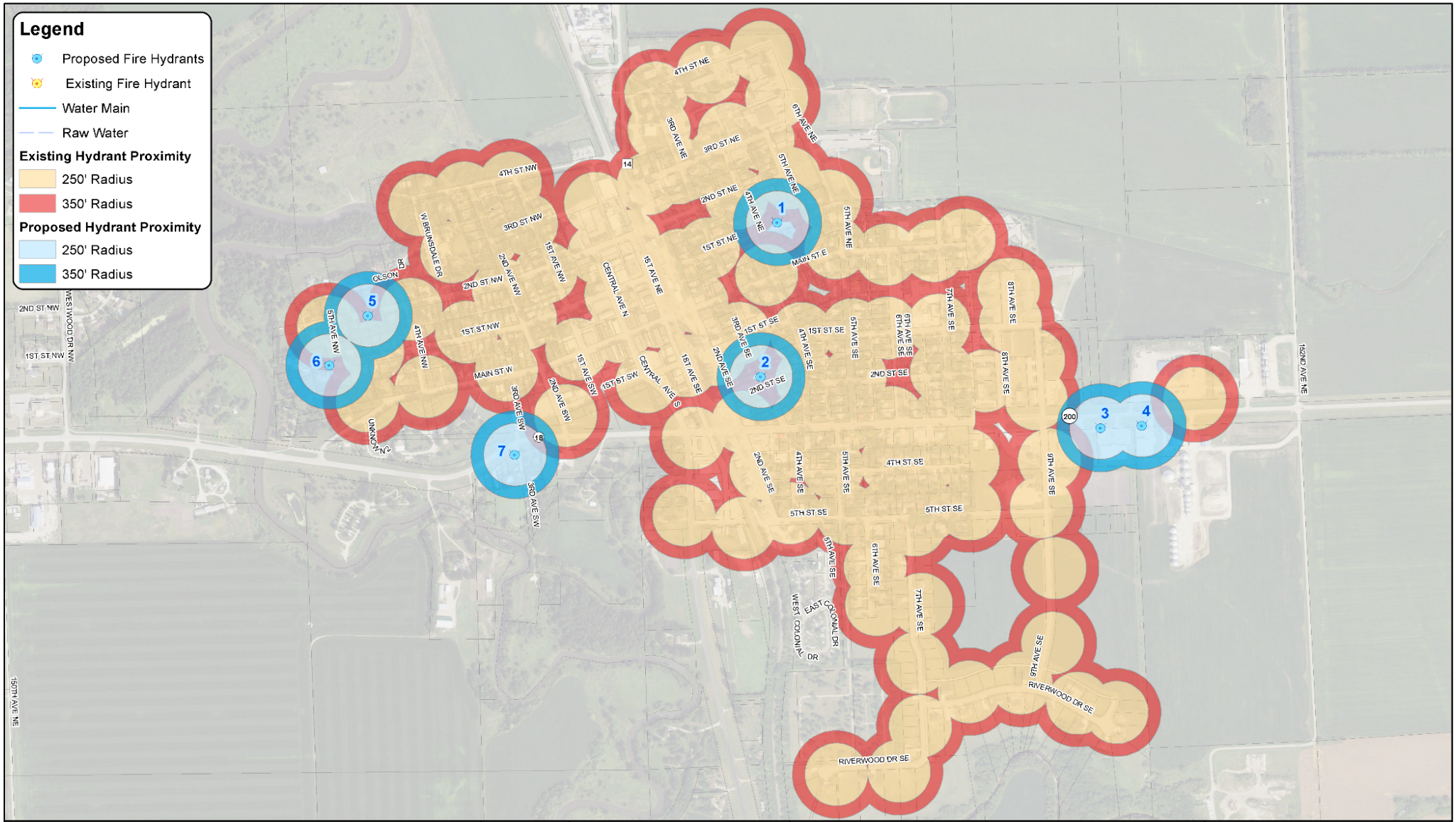


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**Legend**

-  Proposed Fire Hydrants
-  Existing Fire Hydrant
-  Water Main
-  Raw Water
- Existing Hydrant Proximity**
-  250' Radius
-  350' Radius
- Proposed Hydrant Proximity**
-  250' Radius
-  350' Radius





## Items Studied but Not Included

- Highway 200 Path
- Colonial Estates Street Improvements
- City water service to Westwood Acres
- Water service to Cemetery
- Fire Hydrants on Highway 18
- Additional Ditch Grading and storm sewer extensions



## Items Not Studied

- Sidewalks
- Non-Downtown Alleys
- Sewer and Water beyond City Identified Issues
- Highways 200 and 18
- New Street Extensions
- Private Drives and Driveways
- Other items as described in Engineer's Report



# Proposed Project Cost to Residents

- **Street Project - Special Assessment**

- Reviewed all properties with Special Assessment Commission
- Estimated Special Assessment is \$142 per “Front Foot” of property
- Examples financed over 20 years at 3.5% interest
  - 50’ Wide Lot = \$7,100 total assessment, \$435 per year, \$36 per month
  - 100’ Wide Lot = \$14,200 total assessment, \$865 per year, \$72 per month

- **Utility Project – User Rate Increase**

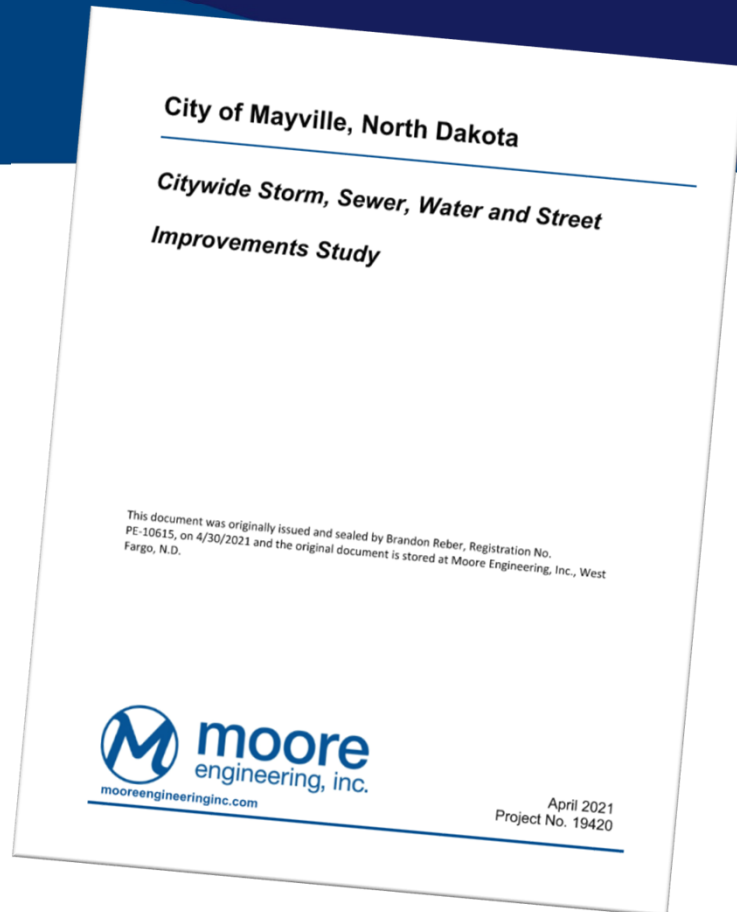
- Estimated Cost of \$8.25 per month based on 40 years at 2.0%
- City reviewing capacity within existing rate structure
- Potential financing through special assessments





# Engineer's Report

- Includes further information and greater detail of study results and proposed projects
- Approved by City Council at May 3<sup>rd</sup> Council Meeting
- Available for review at office of City Auditor



# Project Process





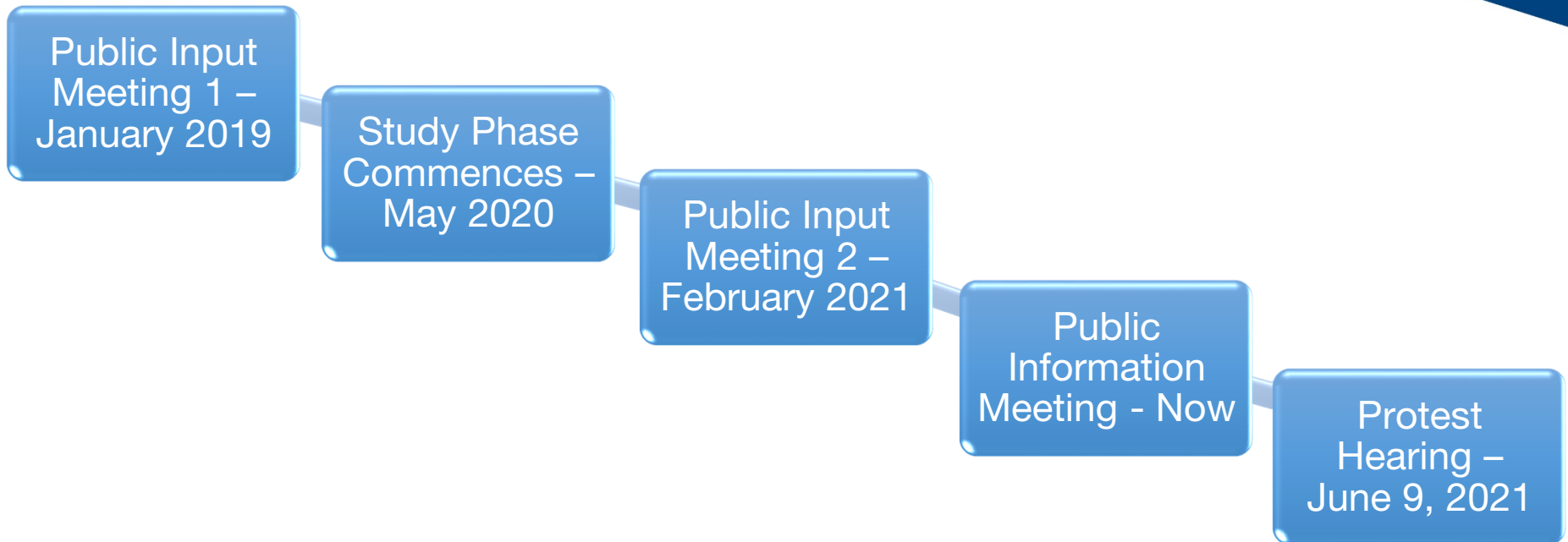
# Proposed Projects Schedule

Phase	2020												2021												2022											
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Study</b>	Engineering Agreement Review and Approval																																			
	Study Phase																																			
<b>Design &amp; Bidding</b>	Part 1 - Design Phase																																			
	Part 1 - Bidding Phase																																			
	Part 2 PER, Design, RD Loan App, R/W and Closing																																			
	Part 2 - Bidding Phase																																			
<b>Const</b>	Part 1 - Storm Sewer, Street Work, Crack/Chip Sealing																																			
	Part 2 - Sewer and Water, Street Work, Crack/Chip Sealing																																			
<b>Assessments</b>	Special Assessment Commission Meetings																																			
	Special Assessment Protest Hearings																																			
	Special Assessments first Payment Due																																			





# Public Outreach





# Protest Process

- **Resolution Declaring Work Necessary**
  - Required to repay street improvements through special assessments
  - Adopted by City at May 3<sup>rd</sup> Council Meeting
  - 30 Day Protest Period from first Publication – May 8 - June 7
    - Published in Traill County Tribune on May 8 & 15
- **Written Protest**
  - Mail or deliver to City by June 7
  - Include name of property owners and physical address of property
  - Signed by all owners of the particular property
- **Protest Hearing**
  - June 9, 6 PM at Armory
  - City Council to hear protests and determine sufficiency of protests



# Next Steps

- City Receives Written Protests
- Protest Hearing
  - June 9, 2021 at 6:00 PM
- If Insufficient Protest
  - Design of Project
    - Start July 2021
  - Construction
    - Start Summer 2022
- If Sufficient Protest
  - City must not proceed with improvements or redefine project scope





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**Questions?**





# Thank You for Your Time

- Brandon Oye, PE
  - Senior Project Manager
  - [brandon.oye@mooreengineeringinc.com](mailto:brandon.oye@mooreengineeringinc.com)
  - 701-282-4692
- Brandon Reber, PE
  - Project Engineer
  - [brandon.reber@mooreengineeringinc.com](mailto:brandon.reber@mooreengineeringinc.com)
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# City Debt Schedule



## Total Yearly Payments

