**State Water Commission Pre-Commission Meeting**
**Bank of North Dakota**
**1200 Memorial Highway, Bismarck, ND 58504**
**Thursday, January 22, 2026 – 1:00 PM CT**
**A QUORUM OF THE COMMISSION MAY BE PRESENT**

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**Microsoft Teams** Need help?
**Join the meeting now**
Meeting ID: 248 286 367 322 0
Passcode: sp6sd9q5
**Dial in by phone**
+1 701-328-0950,,36474054# United States, Bismarck
Find a local number
Phone conference ID: 364 740 54#
**Join on a video conferencing device**
Tenant key: teams@join.nd.gov
Video ID: 118 457 658 3

## AGENDA

1:00 – 1:03 A. Roll Call/Pledge of Allegiance

1:03 – 1:15 B. SWC Secretary Update (Reice Haase)
1. Financial Disclosures

1:15 – 1:20 C. Operation Safe Flow Update (Patrick Fridgen)(no attachment)

1:20 – 1:25 D. Commissioner Reimbursement & Fiscal Policy (Chris Kadrmas)(no attachment)

1:25 – 1:35 E. Southwest Pipeline Project (SWPP) (Justin Froseth)
1. Contract 1-1B – Equipment Procurement for Existing Intake Improvements
2. Contract 6A – Work Order 4 Funding Authorization

1:35– 1:40 F. Missouri River Potential Intake Sites Investigation – Phase 2 (Clay Carufel)

1:40 – 1:45 G. Navigability Study (Aaron Carranza)

1:45 – 1:50 H. Flood Control (Abigail Franklund)

| | | | | |
|---|---|---|---|---|
| 1. | Souris River Joint Board | Mouse River Flood Protection 2025-27 | $81,000,000 | PC/C |

1:50 – 2:15 I. General Water (Abigail Franklund)

| | | | | |
|---|---|---|---|---|
| 1. | Horsehead Irrigation District | Preliminary Study Phase I | $150,000 | PC |
| 2. | Rush River WRD | Drain 12 Reconstruction | $150,000 | PC |
| 3. | Maple River WRD | Cass County Drain 37 | $719,947 | C |
| 4. | Maple River WRD | Cass County Drain 39 | $786,579 | C |
| 5. | Steele County WRD | Drain 1 Outlet Repair | $110,861 | C |

2:15 – 3:250 J. Water Supply (Municipal/Rural) (Julie Prescott)

| | | | | |
|---|---|---|---|---|
| 1. | City of Mandan | 2026 Reconstruct Project Area 2B | $228,357 | PC |
| 2. | South Central Regional Water Dist. | Burleigh Co. Main Transmission Line | $140,400 | PC |
| 3. | City of Bismarck | 2025 WU149 Watermain Extension | $428,466 | C |
| 4. | City of Dickinson | 5th Street SE | $197,942 | C |
| 5. | City of Lisbon | Infrastructure Improvements | $1,532,343 | C |
| 6. | City of New Town | Sand Hill Water Tower Replacement | $2,852,918 | C |
| 7. | City of Oakes | WTP Rehabilitation | $484,710 | C |
| 8. | City of Stanley | Capital Improvements Plan Ph. 3 | $399,804 | C |

| | | | | |
|---|---|---|---|---|
| 9. | Stutsman Rural Water District | Booster Station No. 14 | $562,875 | C |
| 10. | City of Watford City | Park Avenue East Reconstruction | $551,622 | C |
| 11. | City of Elgin | East Side Watermain Improvements | $78,137 | CI |
| 12. | City of Mandan | Memorial Highway Watermain | $5,728,681 | CI |
| 13. | WAWSA | R&TWD Battleview-McGregor Rural Ph.1 | $5,454,817 | CI |
| 14. | Greater Ramsey Water District | North System Capacity Improvements | $0 | O |

K. Adjourn

PC Pre-Construction
C Construction
L Legislative
CI Cost Increase
O Other

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**TO:** Members of the State Water Commission
**FROM:** Justin Froseth P.E., SWPP Project Manager
**SUBJECT:** SWPP – Contract 1-1B – Equipment Procurement for Modifications to Existing Intake Project
**DATE:** January 13, 2026

Department of Water Resources (DWR) has been working with BW/AECOM to develop plans and specifications for the Modifications to Existing Intake Contract (Contract 1-1C). In support of this effort, an Invitation for Bid (IFB) is being prepared for posting through the Office of Management and Budget's (OMB) State Procurement Online (SPO) system. The IFB is to procure long-lead equipment in advance of advertising Contract 1-1C, the installation contract for bids.

While the IFB is still under development, the anticipated schedule is to issue it soon, with potential SPO results available either shortly before or shortly after the February State Water Commission (SWC) meeting. BW/AECOM is assembling technical information to include in the IFB. The IFB will include three distinct bid schedules to address the project's equipment needs. It is DWR's intent to solicit all three schedules under a single IFB to streamline the procurement process.

As currently drafted, the IFB will include the following bid schedules::

1) **Vertical Turbine Pump Procurement Package**, consisting of:

   Vertical Turbine Pumps and Motors

2) **Electrical Gear Procurement Package**, consisting of:

| | | |
|---|---|---|
| Pad-Mounted | | Transformers |
| Low-Voltage | | Switchboards |
| Variable | Frequency | Drives |
| Automatic | Transfer | Switches |
| Surge Protective Devices | | |

3) **Valve Procurement Package**, consisting of:

   Process Butterfly Valves (300-psi valves only)

We anticipate requesting authorization for Secretary to award the bid schedules to the lowest responsible bidder at the February SWC meeting. Funding authorization required may be delayed until the April SWC meeting.

RH:JF/1736-99

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**TO:** Members of the State Water Commission
**FROM:** Justin Froseth P.E., SWPP Project Manager
**SUBJECT:** SWPP – Contract 6A Work Order #4 - Funding Authorization
**DATE:** January 13, 2026

Southwest Pipeline Project Contract 6A - Supervisory Control and Data Acquisition (SCADA) Equipment Supply and Integration was awarded to Micro-Comm, Inc. at the August, 13, 2020 State Water Commission (SWC) meeting. In 2020, when Microcomm Inc., was selected for award of the Contract, the Commission reserved the right to retain Microcomm Inc., as the SCADA Contractor for the SWPP for 10 years. The August 2020 Commission meeting minutes also noted Secretary was authorized to administer and execute future work orders (WO) on the contract.

To date four work orders (WO#1, 2,3, and 5) have been executed on Contract 6A. Cost for these executed WO's have ranged between $33,000 and $59,000.

Work Order No. 4 is to furnish the SCADA equipment and integration services required for the Southwest Water Treatment Plant (SWTP) Expansion. The cost for the WO No. 4 is $1,201,645.

This cost was not included in the funding authorization approved in December 2024 for the SWTP Expansion Project.

DWR staff intends to request approval of this funding authorization at the February SWC meeting.

RH:JF/1736-99

F

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# MEMORANDUM

**TO:** Members of the State Water Commission
**FROM:** Clay Carufel, Missouri River Engineer
**SUBJECT:** Missouri River Potential Intake Locations Investigation – Phase 2
**DATE:** January 13, 2026

The Department of Water Resources (DWR) issued a Request for Proposals (RFP) on December 22, 2025, for the Missouri River Potential Intake Locations Investigation – Phase 2. The Phase 2 scope includes development and completion of field investigations to verify several potential water intake locations identified in the Missouri River Potential Intake Locations Investigation – Phase 1, completed in June 2025. The field investigations will confirm the suitability of potential intake sites and provide additional information for future design of intakes by industrial, municipal, and irrigation water users.

The RFP's scope of work includes development of a field investigation plan, execution of the plan, analysis of the collected data, and development of a report documenting field methods, findings, and recommendations. The RFP included four potential surface water and two subsurface water intake locations. The surface water intake locations included are:

- Fort Berthold to Garrison Dam reach, left side of river, near Douglas Creek Bay on Lake Sakakawea.
- Near site S-6 (Fort Berthold Reservation reach, left side of river, near New Town, ND), as identified in the Phase 1 report.
- Near site S-3 (Fort Berthold to Garrison Dam reach, left side of river, near Riverdale, ND), as identified in the Phase 1 report.
- Near site S-1 (Garrison Dam to Washburn reach, right side of river, near Stanton, ND), as identified in the Phase 1 report.

The subsurface intake locations included are:

- State Line to Williston reach, left side of river, near Trenton, ND.
- State Line to Williston reach, left side of river, near Williston, ND.

The RFP solicitation period will close on January 20, 2026. Evaluation of the proposals and interviews with prospective contractors are expected to be complete by February 5, 2026. DWR plans to bring a recommendation to the February State Water Commission meeting to award a contract for Phase 2 investigations.

CRC/1392-05

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# TECHNICAL MEMORANDUM

**TO:** Lt. Governor Strinden
Members of the State Water Commission

**FROM:** Reice Haase, Secretary and Department of Water Resources Director

**SUBJECT:** Update on Review of Identified North Dakota Navigable Waters

**DATE:** February 12, 2026

## EXECUTIVE SUMMARY

The Department of Water Resources (Department), in accordance with N.D.C.C. § 61-33-05.1(1)(b), is notifying the State Water Commission (SWC) of the public need and purpose for the following six waterbodies to remain designated Navigable Waters as defined in N.D.C.C. § 61-33-01(3):

1. Red River of the North
2. Missouri River
3. Yellowstone River
4. Boise de Sioux
5. Mouse River
6. Upper Des Lacs Lake

The Department will soon issue public notice of the preliminary findings of navigability, open a 60-day public comment period, and schedule a public hearing. After the public comment period closes, the Department will return to the SWC with a final report of navigability determination.

## HISTORY OF NAVIGABILITY AND SOVEREIGN LAND

At the time of statehood, the State of North Dakota joined the Union on "equal footing" with existing states. This "equal footing" doctrine gave specific rights and responsibilities to the fledgling state. Specific to this topic, North Dakota received title, and all rights of title, to all navigable waters within the state at the time of statehood. These lands must now be administered under the Public Trust Doctrine for the benefit of all citizens. However, all areas where this right of title applied were not determined at the time of

statehood. As a result, the State has answered the questions of navigability of subject waterbodies as the question was asked.

In 1989, the Department received management responsibilities of all sovereign land. The North Dakota Land Department retained ownership and management responsibilities of oil, gas, and other hydrocarbon interests stemming from exercised surface rights of title, while the Department retains ownership and management responsibilities for the surface and all other mineral rights. Navigability determinations, followed by delineation of the Ordinary High Water Mark (OHWM) and application of erosion, accretion, avulsion, and reliction law, dictate surface title, which then informs limits and extents of mineral ownership.

## NAVIGABILITY DETERMINATION CHANGES

Prior to the 66th legislative assembly in 2019, the Department's navigability determinations and OHWM delineations determined North Dakota's sovereign land interests through sovereign land administration policy. The SWC was not involved, as the sovereign land administration duties were specific only to the State Engineer (now Department) and the Board of University and School Lands (N.D.C.C. § 61-33-02).

The legislature passed HB 1202 (2019) due to concerns of the lack of a public comment process in the identification of navigable waterbodies, and thus sovereign lands. This bill required a specific public process be followed to identify a waterbody's navigability classification and mandated that the SWC and the Department collaborate on the navigability determination process.

Due to the passage of HB 1202, the Department was tasked with developing a defensible review during the 2019-20 interim of all claimed navigable waterbodies not adjudicated by a court in North Dakota.

In order to meet the directive of HB 1202's interim study, during the October 2020 SWC meeting, the Department formally announced it had begun the review of all 14 claimed navigable waters that had not been adjudicated by a court. The Department committed to returning to the SWC, as outlined in HB 1202, with preliminary findings of navigability at a later date.

## CURRENT NAVIGABILITY REVIEW

The 68th legislative assembly appropriated funds for the Department to research the six above waterbodies for evidence of being navigable at the time of statehood in SB 2020 (2023). The Department procured the services of JE Fuller under RFP Number 770.60-24-001 to carry out this research.

JE Fuller's studies have concluded that all six waterbodies were "in fact navigable at the time of statehood, and that are used, were used, or susceptible of being used in their ordinary condition as highways for commerce over which trade and travel were or may have been conducted in the customary modes of trade on water." N.D.C.C. § 61-33-01(3).

N.D.C.C. § 61-33-05.1(2) mandates the process to determine navigability. This memo fulfills the Commission notification requirement. The next steps are to provide public notice of the preliminary findings, legal rationale for the preliminary findings, and solicitation for public comments for at least 60 days. The Department must also hold a public hearing regarding the preliminary finding.

Once complete and all comments considered, the Department will prepare and deliver a final report of navigability determination to the SWC in accordance with N.D.C.C. § 61-33-05.1(3).

H 1

Water Delopment Plan: 2025
Priority: High

# 1087072 - 25-27 Biennium Authorization for the Mouse River Enhanced Flood Protection Project (MREFPP) on behalf of the Souris River Joint Water Resources Board (SRJB)

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 29, 2025 6:14 PM

**Initially Submitted By:** Ryan Ackerman

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Mr. (Salutation) Ryan (First Name) Blaine (Middle Name) Ackerman (Last Name)

**Title:**

### Organization Information

**Status*:** Approved

**Name*:** Ackerman Estvold

**Organization Type*:** Contractor

**Tax Id:**

**Organization Website:**

**Email*:**

ryan.ackerman@ackerman-estvold.com

**Address*:** 1112 Sunrise Ct SE

Minot North Dakota
City State/Province

58701
Postal Code/Zip

**Phone*:** 701-720-7794 Ext.
Phone
*###-###-####*

**Fax:** *###-###-####*

**Comments:**

**Address*:** 1907 17th Street SE

Minot North Dakota
City State/Province

58701-____
Postal Code/Zip

**Phone*:** 701-837-8737 Ext.
*###-###-####*

**Fax:** *###-###-####*

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | Mouse River Enhanced Flood Protection Project |
| **Sponsor(s)*:** | Souris River Joint Water Resources Board / City of Minot |
| **County*:** | Ward |
| **City*:** | Minot (and others) |
| **Description of Request*:** | New |
| **Project Type:** | Flood Control |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | |

**Jurisdictions/Stakeholders Involved*:**

Renville, Ward, McHenry & Bottineau Counties; Cities of Burlington, Minot, Sawyer, Velva; US Army Corps of Engineers St. Paul District; US Army Corps of Engineers Omaha District; US Fish & Wildlife Service; ND Department of Water Resources; ND Department of Environmental Quality

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The 2011 Mouse (Souris) River flood caused in excess of $1 billion in economic damages to the Mouse River basin in North Dakota. Following this disaster, the State of North Dakota (through the State Water Commission) commissioned the development of master plans for urban (2012) and rural (2013) flood control measures to be implemented across the basin. The SRJB has been in the process of implementing these various flood control measures as funding allows. Compounding the need for the project are National Flood Insurance Program reforms which reduce / eliminate the federal subsidies associated with the program and a remapping effort of the regulatory floodplain within Ward County which will place thousands of properties within the regulatory floodplain where purchase of flood insurance will be both mandatory and expensive. This application seeks authorization from the State Water Commission to utilize the $81.1 million appropriated for the project during the 2025 Legislative Session.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The project includes a combination of levees, floodwalls, pump stations, diversion channels, bridge improvements, road raises, acquisitions, relocations, and infrastructure modifications designed to increase the resilience of the Mouse River basin to flooding. Features are generally designed to pass the 2011 event. Additional detail is depicted in the master plans for the urban and rural improvements (also known as the Preliminary Engineering Reports).

**Describe the Objectives or Goals Specific to This Application*:**

Reduce flood risk across the Mouse River basin, as generally described in the Preliminary Engineering Reports.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

Minot Acquisitions (recipient - City of Minot): $19.8M ($14.85M State funds)
Other Acquisitions (SRJB): $23.6M ($17.7M State funds)
Design/Permitting (SRJB): $41.04M ($26.67M State funds)
Segments include Mouse River Park, Robinwood / Brooks Addition, King's Court, Talbott's, Westhope (Hwy 5), Towner (Hwy 14), Upham (Hwy 14), River Oaks, Apple Grove, Chaparelle, Eastside Estates,

Sawyer, Velva
Construction (SRJB): $33.66M ($21.88M State funds)
Segments include Talbott's, Maple Diversion, Tierrecita Vallejo, Downtown Levee / Floodwall, Roosevelt Park & Zoo Levee / Floodwall, Chaparelle

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Other |
| **What is the Current Estimated Population?*:** | 75000 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 75000 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | Ongoing |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | Yes |
| **Are There Any Road Improvements Included as Part of the Project?*:** | Yes |

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

Infrastructure modifications are necessary for construction of flood control improvements. Age of this infrastructure varies considerably, but the infrastructure affected is currently in good working condition.

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | Yes |

**If Yes or Ongoing, Please Explain (include type/number):**

USACE Section 404
USACE Section 408
FEMA CLOMR

**Have You Been approved for any Federal Permits?:** Ongoing

**If Yes or Ongoing, Please Explain (include type/number):**

Typically, permits are secured by phase of the project. A Section 404 permit has been secured for all work associated with Minot Milestones 1 & 2. Section 408 permissions are granted by the USACE following review of final design documents. FEMA CLOMR has been received for Minot Milestone 1 and was determined to be unnecessary for Minot Milestone 2.

**Have You Applied for any State Permits?*:** Ongoing

**If Yes or Ongoing, Please Explain (include type/number):**

State permits are applied for and secured for each phase of the project. Typical permits include Construction and Sovereign Lands Permits issued by NDDWR, and Water Quality Permits issued by NDDEQ.

**Have You Applied for any Local Permits?*:** Ongoing

**If Yes or Ongoing, Please Explain (include type/number):**

Local building permits are required for any vertical construction (i.e. buildings). Permits are applied for and received by the selected Contractors as part of the building permitting process for each affected jurisdiction.

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** Yes

**Explain the Source, Timing and Amount of Federal Funds:**

The project has been the recipient of numerous federal grants. The most relevant federal grant is related to the construction of the Maple Diversion, which is funded through the US Army Corps of Engineers Civil Works program. Funding was appropriated and awarded for the Maple Diversion in 2022 in the amount of $61.45M. This funding is indexed to inflation.

**Federal Funding Contact:** Nicholas Castellane
First Name Last Name

**Federal Funding Contact Number:** 651-290-5251

**Federal Funding Email:** nicholas.j.castellane@usace.army.mil

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** January 2026 (PER Update)

**Design Completion*:** Varies

**Bid*:** Varies

**Construction Start*:** Varies

**Construction Completion*:** Varies

**Explain Additional Timeline Issues*:**

Phases are designed and constructed independently, so the timeframe of each varies. Larger projects typically require two years to design and permit and two to three years to construct. Larger, complex projects, such as the Maple Diversion, will require up to five years to construct.
Smaller projects typically require 6 to 12 months for design and permitting and one year to construct.

**Consulting Engineer*:** Various

**Engineer Direct Phone Number*:** 701-857-9113

**Engineer Email*:** ryan.ackerman@ackerman-estvold.com

### *Certification (Must Be Completed by Project Sponsor)*

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Ryan (First Name) Ackerman (Last Name) 12/28/2025 (Date) |
| **Title/Position/Authority*:** | SRJB Administrator |
| **Address*:** | 1907 17th Street SE<br>Address Line 1<br>Address Line 2<br>Minot (City) North Dakota (State) 58701-____ (Zip Code) |
| **Direct Phone Number*:** | 701-857-9113 |
| **Sponsor Email*:** | dashley@mouseriverplan.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | David (First Name) Ashley (Last Name) |

| | |
|---|---|
| **Authorized Signor Title/Position:** | Chairman, Souris River Joint Board |
| **Authorized Signor Email:** | dashley@mouseriverplan.com |
| **Authorized Signor Direct Phone Number:** | 701-626-1566 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Thomas Klein<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice Chairman |
| **Additional Board Member Email:** | tklein@mouseriverplan.com |
| **Additional Board Member Direct Phone Number:** | 701-720-8508 |

# Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | Yes |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | Appendix A - Alignment Maps.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 2025.07.11 Meeting Minutes EXECUTED.pdf |
| **Cover Letter:** | Ltr_2025-12-29_2527CostShareRequest_Signed.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | SFN_61801_delineation_of_cost_modified.xlsx |
| **Type of Request:** | Preconstruction |
| **Is This a Water Supply Project?:** | No |
| **Is This a Rural Flood Control Project?:** | Yes |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | Yes |
| **Acquisition Plan:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | Yes |

CLICK HERE **for Economic Analysis Instructions.**

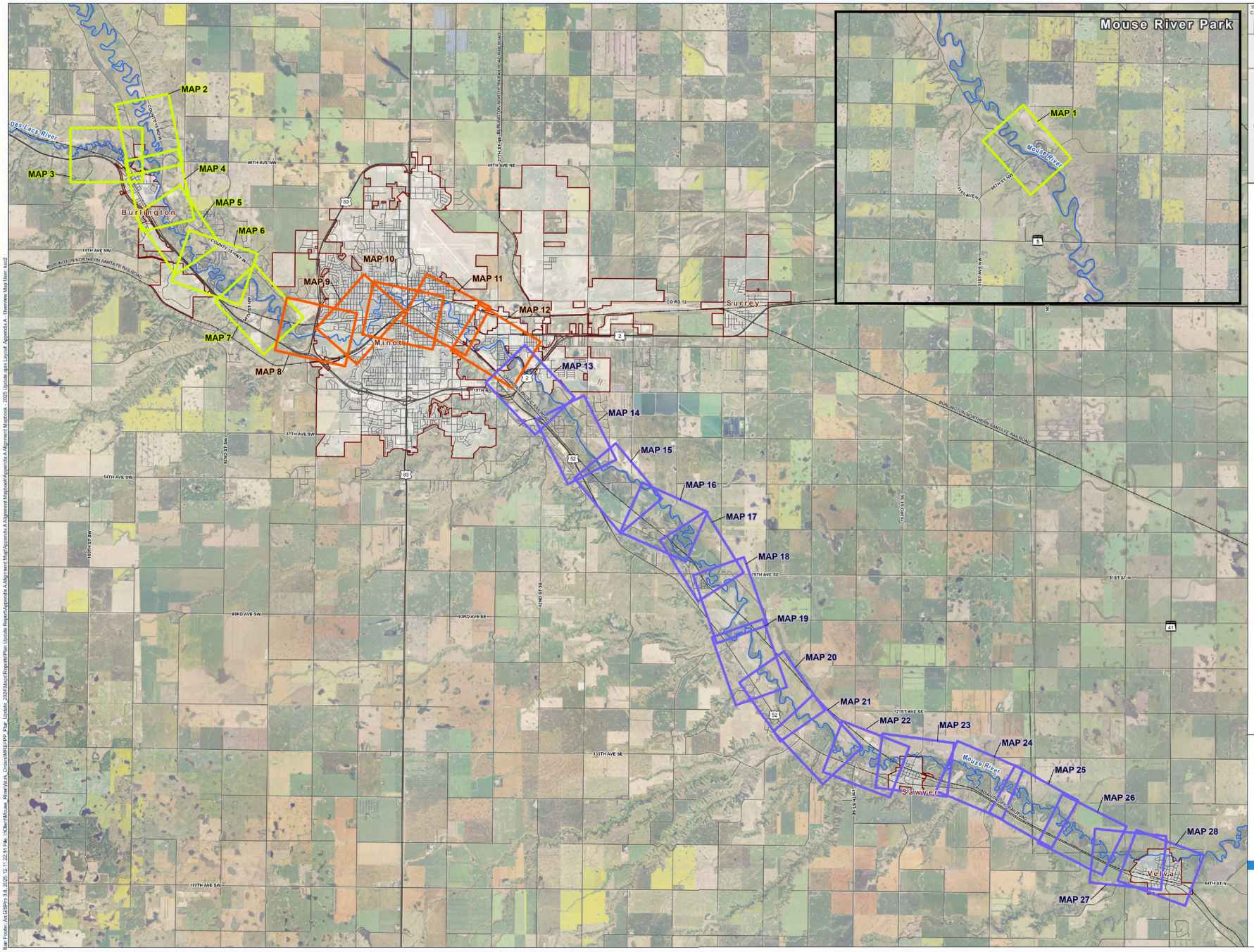
| | |
|---|---|
| **Economic Analysis:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |
| **Sovereign Land Permit, if Required for Construction Request:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |

| | |
|---|---|
| **DWR Construction Permit, if Required for Construction Request:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | Yes |
| **Feasibility/Engineering Study Material:** | Ltr_2025-12-29_SupplementalInfoForDWRApplication_Signed.pdf |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | In |
|---|---|---|---|---|---|---|---|---|---|
| Other | City of Minot | Already Approved | $39,400,000.00 | $78,700,000.00 | $899,400,000.00 | $1,017,500,000.00 | Grant | 0.00 | |
| | | | **$39,400,000.00** | **$78,700,000.00** | **$899,400,000.00** | **$1,017,500,000.00** | | | |




**Preliminary Alignment Maps**
Preliminary Engineering Report Addendum, 2025
Mouse River Enhanced Flood Protection Project

Overview Map

BARR
ACKERMAN ESTVOLD

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | Mouse River Enhanced Flood Protection Project |
| **Sponsor :** | Souris River Joint Water Resources Board (SRJB) |
| **Contact :** | David Ashley, Chairman |
| **Phone :** | 701-626-1566 |
| **Engineer :** | Ryan Ackerman, Administrator |
| **Phone :** | 701-857-9113 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 118,093,333.33 | **Total Cost-Share* :** | $ 81,100,000.00 |
| **Ineligible Cost :** | $ - | **Acquisitions :** | $ 32,545,000.00 |
| **Eligible Cost :** | $ 118,093,333.33 | **Preconstruction :** | $ 26,676,000.00 |
| **Local Cost :** | $ 36,993,333.33 | **Construction :** | $ 21,879,000.00 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Flood Protection (Custom Cost-Share) | 65% Construction, Engineering / 75% Acquisitions |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **Acquisition (Appraisals, Negotiations, Purchase, Demolition, Restoration) Costs** | | | | | | |
| 1 | 16.8% | Minot Acquisitions (State Funding Recipient - City of Minot) | 1 | LS | 19,800,000.00 | $ 19,800,000.00 | 75% | $ 14,850,000.00 |
| 2 | 20.0% | Other Acquisitions (State Funding Recipient - SRJB) | 1 | LS | 23,600,000.00 | $ 23,593,333.33 | 75% | $ 17,695,000.00 |
| | 36.7% | **Acquisition Total** | | | | $ 43,393,333.33 | 75% | $ 32,545,000.00 |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 3 | 34.8% | Design / Permitting Phases RC-2 (Mouse River Park Levee); WC-2 (Brooks / Robinwood Levee); WC-3 (Kings Court Levee); WC-4 (Talbott's Levee); WC-5 (Apple Grove Levee); WC-6 (Chaparelle Levee); WC-7 (Eastside Estates Levee); MI-16 (River Oaks Floodwall); SA-2 (Sawyer Levee); VE-2 (Velva Levee); MC-1 (Hwy 14 Bridges); BC-1 (Hwy 5 Bridge) | 1 | LS | 41,040,000.00 | $ 41,040,000.00 | 65% | $ 26,676,000.00 |
| | 34.8% | **Preconstruction Total (Excl. Acquisitions)** | | | | $ 41,040,000.00 | 65% | $ 26,676,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 4 | 3.6% | Partial Construction Phases MI-4 (Maple Diversion); WC-1 (Tierrecita Vallejo Levee); MI-6 (Downtown Levee / Floodwall); MI-7 (Roosevelt Park Zoo Levee / Floodwall); WC-6 (Chaparelle Levee) | 1 | LS | 4,207,500.00 | $ 4,207,500.00 | 65% | $ 2,734,875.00 |
| | 3.6% | **Construction Engineering Total** | | | | $ 4,207,500.00 | 65% | $ 2,734,875.00 |
| | | **Construction Costs** | | | | | | |
| 5 | 24.9% | Partial Construction Phases MI-4 (Maple Diversion); WC-1 (Tierrecita Vallejo Levee); MI-6 (Downtown Levee / Floodwall); MI-7 (Roosevelt Park Zoo Levee / Floodwall); WC-6 (Chaparelle Levee) | 1 | LS | 29,452,500.00 | $ 29,452,500.00 | 65% | $ 19,144,125.00 |
| | 24.9% | **Construction Total** | | | | $ 29,452,500.00 | 65% | $ 19,144,125.00 |
| | | Eligible Preconstructions | | | | $ 84,433,333.33 | 65% | $ 26,676,000.00 |
| | | Eligible Construction | | | | $ 33,660,000.00 | 65% | $ 21,879,000.00 |
| | | **Eligible Total** | | | | $ 118,093,333.33 | 65% | $ 48,555,000.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 6 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 7 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 118,093,333.33 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 118,093,333.33 | 68.67% | $ 81,100,000.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

Souris River Joint Board
PO Box 1516
Minot, ND 58702-1516

info@mouseriverplan.com
www.mouseriverplan.com

DWR Date Received : 12/29/25

SRJB
SOURIS RIVER JOINT BOARD

*David Ashley*
*Chairman - McHenry County*
*dashley@mouseriverplan.com*

*Dan Steinberger*
*Member - Renville County*
*dsteinberger@mouseriverplan.com*

*Tom Klein*
*Member - Ward County*
*tklein@mouseriverplan.com*

*Clif Issendorf*
*Member - Bottineau County*
*cissendorf@mouseriverplan.com*

*Jason Sorenson*
*Member - City of Minot*
*jsorenson@mouseriverplan.com*

December 29, 2025

North Dakota Department of Water Resources
Reice Haase – Director
1200 Memorial Highway, Department 770
Bismarck, North Dakota 58504-5262

Re: **Request for 25-27 Biennium Funding**
**Mouse River Enhanced Flood Protection Project**

Dear Mr. Haase:

During the 2025 Legislative Assembly, the North Dakota Legislature appropriated $81.1 million in funding for the Mouse River Enhanced Flood Protection Project *(Ref. Section 15, House Bill 1020).*

During the legislative session, scenarios were developed for appropriators which ranged from $65 million to $150 million in funding for the current biennium. With the funding amount settled, a corresponding work plan was developed and adopted by the Souris River Joint Board in July 2025. See the table on the following page.

In parallel, the SRJB has been developing a revised master plan to guide decision-making from the present time forward to completion of the project. Final adoption of the revised master plan (also known as an Amendment to the Preliminary Engineering Report) is expected in early 2026. The effort of amending the Preliminary Engineering Report was undertaken to identify cost-saving measures which would reduce the capital cost while still meeting the objectives of reducing flood risk to residents of the Mouse River valley throughout the basin.

***Table 1.*** *Work Plan Adopted by the Souris River Joint Board in July 2025.*

| | | | 25-27 SRJB Work Plan | | |
|---|---|---|---|---|---|
| **System** | **Phase Name** | **2025 Cost** | **Design** | **Acquisitions** | **Construction** |
| **Mouse River Park** | RC-1A: Mouse River Park Bridge | $ 7.0 | | | |
| | RC-1B: Mouse River Park Levee | $ 21.0 | $ 3.2 | $ 1.0 | |
| **Brooks Robinwood** | WC-2: Brooks Robinwood Levee | $ 61.1 | $ 8.6 | $ 4.0 | |
| **Kings Court** | WC-3: Kings Court Levee | $ 9.5 | $ 1.9 | $ 3.5 | |
| **Talbotts** | WC-4: Talbotts Levee | $ 1.6 | $ 0.2 | | $ 1.4 |
| **North Minot (Minot Milestone 1)** | MI-4C: Maple Diversion | $ 98.2 | | $ 3.0 | $ 4.0 |
| | MI-4D: Library and Police Station Floodproofing | $ 23.9 | | | |
| | MI-1B: 3rd Street Floodwall | $ 15.8 | | | |
| | WC-1C: Tierrecita Vallejo Railroad Closure | $ 1.0 | | | $ 1.0 |
| | WC-1D: Tierrecita Vallejo Overbank Excavation | $ 0.7 | | | |
| **South Minot (Minot Milestone 2)** | MI-6C: Downtown Levee | $ 15.8 | | | $ 15.8 |
| | MI-7E: Roosevelt Park Zoo Relocation | $ 10.0 | | | $ 10.0 |
| | MI-8/9: Burdick Bridge / West Valker Road Levee | $ 76.1 | | $ 5.0 | |
| **East Minot (Minot Milestone 3)** | MI-10: Fairgrounds Levee | $ 60.1 | | | |
| | MI-11: North Roosevelt Park Levee | $ 14.3 | | | |
| | MI-12: East Burdick Levee | $ 16.3 | | | |
| | MI-13: Trinity Levee | $ 24.9 | | | |
| | MI-14: 27th Street Diversion | $ 151.6 | | $ 6.4 | |
| | MI-15: Livingston Coulee Bypass | $ 59.2 | | | |
| **Rural Bridges** | WC-8: Hwy 2 Bypass Bridge (Minot) | $ 30.6 | | | |
| | WC-9: Hwy 52 Grade Raise (Minot) | $ 19.9 | | | |
| | MC-2: Hwy 52 Grade Raise (Velva) | $ 22.0 | | | |
| | MC-3: Hwy 2 Bridge (Towner) | $ 38.6 | | | |
| | BC-1: Hwy 5 Grade Raise (Westhope) | $ 15.3 | $ 2.3 | | |
| | MC-1A: Hwy 14 Bridge (Upham) | $ 25.7 | $ 3.9 | | |
| | MC-1B: Hwy 14 Bridge (Towner) | $ 20.0 | $ 3.0 | | |
| **River Oaks** | MI-16: River Oaks Floodwall | $ 6.0 | $ 0.6 | $ 5.4 | |
| **Apple Grove** | WC-5: Apple Grove Levee | $ 22.2 | $ 3.3 | $ 2.5 | |
| **Chaparelle** | WC-6: Chaparelle Levee | $ 2.5 | $ 0.4 | $ 0.6 | $ 1.5 |
| **Eastside Estates** | WC-7: Eastside Estates Levee | $ 29.9 | $ 4.5 | $ 4.0 | |
| **Sawyer** | SA-2: Sawyer Levee | $ 65.9 | $ 3.3 | $ 5.0 | |
| **Velva** | VE-1: Velva Bridge | $ 11.0 | | | |
| | VE-2: Velva Levee | $ 39.8 | $ 6.0 | $ 3.0 | |
| **Total Cost** | | **$ 1,017.5** | **$ 41.04** | **$ 43.40** | **$ 33.66** |

**All Costs Indicated in $Million**

| | |
|---|---|
| **$ 118.10** | **Total 25-27 Work Plan** |
| **$ 81.10** | **Total 25-27 State Share** |
| **$ 36.99** | **Total 25-27 Local Share** |

| | |
|---|---|
| **$ 66.25** | **25-27 State Share - SRJB** |
| **$ 14.85** | **25-27 State Share - Minot Acquisitions** |
| **$ 81.10** | **Total 25-27 State Share** |

It should be noted that the amounts listed are estimated costs to complete. These amounts will change as the program evolves, bids are received, negotiations are completed, etc. If additional funds are made available due to cost savings, additional phases will be advanced into design or construction, as appropriate. Should project phases cost more than anticipated, portions of individual phases may be deferred into the next biennium. The intent of the SRJB is to advance the project in the manner that is the most efficient and effective for the residents of the Mouse River basin.

As has been the practice since 2011, the City of Minot has been completing acquisition activities within city limits associated with future phases of the Mouse River Enhanced Flood Protection Project, with the exception of acquisitions associated with railroad entities.

As indicated by the proposed work plan, the emphasis for this biennium is getting larger portions of the project shovel ready by advancing engineering design, permitting and acquisition activities. Construction funding is largely committed to finishing two phases of the project that are currently partially under construction – Phases MI-6 and MI-7 along the south side of the Mouse River in central Minot.

The Souris River Joint Board respectfully requests that the State Water Commission approve:

- ***$14.85 million in State funding for City of Minot acquisitions at 75% cost share; and***
- ***$66.25 million in State funding for rural acquisitions (outside of Minot); and construction and engineering activities throughout the basin, with acquisitions funded at 75% cost share and construction and engineering activities funded at 65% cost share***

The SRJB sincerely appreciates the partnership of the Department of Water Resources and the State Water Commission. Please don't hesitate to contact the SRJB with any questions.

Sincerely,

SOURIS RIVER JOINT WATER RESOURCES BOARD

Ryan Ackerman, PE
Administrator

Souris River Joint Board
PO Box 1516
Minot, ND 58702-1516

info@mouseriverplan.com
www.mouseriverplan.com

DWR Date Received : 12/29/25

SRJB
SOURIS RIVER JOINT BOARD

*David Ashley*
*Chairman - McHenry County*
*dashley@mouseriverplan.com*

*Dan Steinberger*
*Member - Renville County*
*dsteinberger@mouseriverplan.com*

*Tom Klein*
*Member - Ward County*
*tklein@mouseriverplan.com*

*Clif Issendorf*
*Member - Bottineau County*
*cissendorf@mouseriverplan.com*

*Jason Sorenson*
*Member - City of Minot*
*jsorenson@mouseriverplan.com*

December 29, 2025

North Dakota Department of Water Resources
Reice Haase – Director
1200 Memorial Highway, Department 770
Bismarck, North Dakota 58504-5262

Re: **Supplemental Information**
**Request for 25-27 Biennium Funding**
**Mouse River Enhanced Flood Protection Project**

Dear Mr. Haase:

The purpose of this letter is to provide information to supplement the dialogue boxes included with the funding application. Because of the nature and history of the Mouse River Enhanced Flood Protection Project, certain items may not be applicable to the project or may otherwise currently be on file at the North Dakota Department of Water Resources.

**Project Specific Map**

The map uploaded to the site is of the draft Amended Preliminary Engineering Report, which includes revised project features throughout the basin. ***The SRJB has not yet formally adopted this document***, but it is expected to take formal action in early 2026. The current, effective preliminary engineering reports (urban and rural) are on file at the Department of Water Resources and may also be downloaded from www.mouseriverplan.com.

**Delineation of Costs – SFN 61801**

The Mouse River Enhanced Flood Protection Project has project-specific cost shares that are not consistent with the values shown in the template spreadsheet. As a result, the spreadsheet was modified to include the project specific cost shares that have been historically approved by the State Water Commission. These include a 65% cost share for all engineering and construction activities and a 75% cost share for acquisitions.

**Acquisition Plan**

The acquisition plans for the project are currently on file with the ND Department of Water Resources. As the final design of the project evolves, the corresponding acquisition footprint necessary to construct the project is changed administratively between the project sponsor and the Department of Water Resources.

**Economic Analysis**

The Mouse River Enhanced Flood Protection Project has been historically exempt from requirements related to developing economic analyses for project elements.

**Sovereign Land Permit, DWR Construction Permit, FEMA Conditional Letter of Map Revision**

As the project design is completed, applications for Sovereign Land Permits, DWR Construction Permits, and FEMA Conditional Letters of Map Revision are submitted and processed by the corresponding agencies.

**Feasibility Study**

The preliminary engineering reports for the project were developed in 2012 and 2013, following the 2011 flood on the Mouse River. These reports are on file at the Department of Water Resources. As the SRJB adopts the amended Preliminary Engineering Report (expected in early 2026), this will be transmitted to the Department of Water Resources.

Please don't hesitate to reach out with requests for additional information.

Sincerely,

SOURIS RIVER JOINT WATER RESOURCES BOARD

Ryan Ackerman, PE
Administrator

DWR Date Received : 12/29/25

**Minutes of Special Meeting**
**Souris River Joint Water Resource Board**
**Friday, July 11, 2025**

A special meeting of the board of directors of the Souris River Joint Water Resource District was called to order by Chairman David Ashley at 9:30 a.m. on Friday, July 11, 2025, after announcing that a quorum was present. The meeting was via Microsoft Teams/Teleconference. Joint Board members in attendance were Clif Issendorf, Jason Sorenson and Dan Steinberger.

The Joint Board discussed the proposed Agenda for the meeting.

**Dan Steinberger made a motion to approve the agenda for the meeting. Jason Sorenson seconded the motion. The motion passed without opposition.**

The draft minutes of the July 5, 2025 SRJB regular meeting were discussed. Clif Issendorf indicated that on Page 3 where they go to the Jay Clark Salyer Wildlife Refuse, should be Refuge. Clif Issendorf indicated his comment was no localized effects but he explained his challenge to that.

**Jason Sorenson made a motion to approve the corrected minutes from the June 5, 2025 regular meeting. Dan Steinberger seconded the motion. The motion passed without opposition.**

Ryan Ackerman presented the Balance Sheet and Budget Report and the Joint Board reviewed the Budget Report included in the July Board Packet. Ryan Ackerman explained the Budget Report.

**Clif Issendorf moved to approve the Budget Report. Dan Steinberger seconded the motion. A roll call vote was cast. The motion passed without opposition.**

The Joint Board reviewed and discussed various bills set forth in the July Board Packet totaling $12,920,595.83. Chairman Ashley opened it up for questions from the Board on each bill being considered for approval and advised the Verizon and Ward County bills have been approved unilaterally and paid. On William Stolt, Dan Steinberger questioned publishing a social security number in public documents, which the board agreed should not be included.

**Dan Steinberger moved to approve payment of bills totaling $12,920,595.83. Jason Sorenson seconded the motion. A roll call vote was cast. The motion passed without opposition.**

Jerry Bents updated on Phase MI-4 (Maple Diversion). A Project Status Report from Houston Engineering is contained in the July Board Packet. Jerry Bents advised that this phase is on track to get to 65% design by early August. At that point, that will be shared with the USACE and an estimated cost estimate will be shared with the board.

Jerry Bents updated on Phase MI-5. A Project Status Report from Houston Engineering is contained in the July Board Packet. Jerry Bents indicated work in this phase is actively in construction. They are nearing the end and the substantial completion deadline is July 28, 2025. Wagner Construction expects to meet that deadline. Remaining work is largely cleanup-related items. Upon receiving the request for substantial completion, a walkthrough will be completed to identify a punch list of anything outstanding prior to closing the contract.

Jerry Bents updated the Joint Board on Phase MI-6. A Project Status Report from Houston Engineering is contained in the July Board Packet. Jerry Bents showed a drone video of updates on this phase that was taken on June 25, 2025.

Jerry Bents updated the Joint Board on Phase MI-8/MI-9. Jerry Bents advised that this phase is under design. A Project Status Report from Houston Engineering is contained in the July Board Packet. Jerry Bents advised that 60% percent was submitted back in May. A meeting with the city council was held on the proposed alignment on Monday of this week to ask for concurrence on the proposed alignment and add four additional properties to the acquisition list. A property owner on the south side of Eighth Avenue whose property was protected under the original plan but not the new plan attended the meeting. The council requested to table their decision and asked that the SRJB go through additional negotiations with the property owner to see if middle ground can be reached that is acceptable to both parties. This is set to be taken up by the city council on July 21, 2025. Additional dialogue with the property owner to the south is underway and an update will be shared with the SRJB regarding any changes at a future meeting. Dan Steinberger questioned the value of the property that is being talked about. Jerry Bents indicated the tax value is $860,000. The replacement value would be higher (albeit much less than the $4.5 million difference in alignments). Dan Steinberger questioned if the SRJB is better off purchasing the property instead. Chairman Ashley indicated this option has been reviewed and a close look is being taken on this. The decision to leave that property outside was financial and it is not at risk until a flood greater than the 100-year. More time is needed to reach a final solution.

Ryan Ackerman provided an update to the Joint Board regarding Phase MI-7. A Project Status Report is contained in the July Board Packet. Ryan Ackerman advised there is a lot of activity happening with this phase. Ryan Ackerman showed a drone video with footage from Monday, July 7, 2025, which showed the activity underway with this phase.

Ryan Ackerman provided an update to the Joint Board regarding WC-1. The Project Status Report is contained in the July Board Packet. Ryan Ackerman advised that final coordination with CPKC is underway on the track raise and construction of the closure. It is hoped that a tangible path forward will be presented to the Joint Board soon.

For a PER Update, Ryan Ackerman indicated that that 2025-2027 biennium work plan is tangentially related to this. The intent is to finalize some of the recommendations and get the Joint Board to take action on the recommendations discussed at the workshop a few months ago. More will come on this within the next 30 days or so.

Ryan Ackerman provided the SRJB with a Rural Program Update. Ryan Ackerman indicated that the Department of Water Resources advised that the Trapped Water Program is going to be ineligible for state funding. Alternative options are being reviewed to move the program forward.

Dennis Reep of HDR Engineering provided an update regarding Rural Bridges. A Project Status Report is contained in the July Board Packet. On Velva, the 408 permissions and permit were received from the USACE on June 9, 2025. All of the documentation is in to FEMA for the CLOMR. The contract with Industrial Builders was signed June 30, 2025. Once permits are in hand, notice to proceed will be delivered to the contractor.

Dennis Reep of HDR Engineering provided an update on Mouse River Park. The bid opening was scheduled for July 15, 2025, but that was pushed back to July 22, 2025, at the request of a construction contractor. Ryan Ackerman showed the Joint Board the planholder's list.

The Joint Board next discussed the biennium work plan for 2025-2027. Ryan Ackerman advised that the SRJB was appropriated $81.1 million in state funds at the legislative session that concluded this Spring. The typical arrangement has been to take an overall look at the program between design, acquisition and construction and come up with a balanced approach to decide which items on that list to advance. There is also a responsibility share between acquisitions led by SRJB and led by the City of Minot. Ryan Ackerman explained and showed the Joint Board an overview regarding funding.

**Jason Sorenson made a motion to approve the workplan and authorize the submittal of the cost share authorization to the Department of Water Resources. Dan Steinberger seconded the motion. A roll call vote was cast. The motion passed without opposition.**

The Joint Board took note of future meetings and events as set forth in the July Board Packet. The next meeting of the Joint Board is a regular meeting, scheduled for August 7, 2025 at 4:00 p.m. in Room 203 of the Minot Auditorium.

There being no further business to discuss, the meeting was adjourned.

Jack Dwyer
Legal Counsel

I 1

Water Development Plan: No

# 1086989 - Horsehead Irrigation District Preliminary Study Phase I

## Application Details

**Funding Opportunity:** 1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:** Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 22, 2025 9:58 PM

**Initially Submitted By:** Sharon Schiermeister

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh First Name

Middle Name Wayt Last Name

**Title:** Funding Specialist

**Email*:** josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E

### Organization Information

**Status*:** Approved

**Name*:** Horsehead Irrigation District

**Organization Type*:** Political Subdivision

**Tax Id:**

**Organization Website:**

**Address*:** 6125 Highway 1804

Suite 1

West Fargo North Dakota
City State/Province

58078
Postal Code/Zip

**Phone*:** (701) 200-5455 Ext.
Phone
*###-###-####*

**Fax:** *###-###-####*

**Comments:**

Hazelton North Dakota
City State/Province

58544-____
Postal Code/Zip

**Phone*:** 701-220-4253 Ext.
*###-###-####*

**Fax:** *###-###-####*

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | Horsehead Irrigation District Preliminary Study Phase I |
| **Sponsor(s)*:** | Horsehead Irrigation District |
| **County*:** | Emmons |
| **City*:** | N/A |
| **Description of Request*:** | New |
| **Project Type:** | Irrigation |
| **If Project is a Study, What Type?:** | Feasibility |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Missouri River |

**Jurisdictions/Stakeholders Involved*:**

Horsehead Irrigation District, Emmons County, Logan County, and agricultural producers in the region.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

Emmons County and Logan County both have high production farmland that would benefit from irrigation. Many producers in these counties wish to irrigate but are not able due to aquifer capacity limitations and the associated difficulty obtaining permits. Furthermore, fluctuating water levels within the Missouri River have reduced the reliability of local intake structures. Without a central intake structure, the reliability and consistency of water sourcing will remain a challenge.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This study will evaluate a scenario to provide water from the Missouri River to the serviceable areas in Emmons County and Logan County. The boundaries of the Horsehead Irrigation District have not been altered in more than 20 years. The study will therefore evaluate the number of acres suitable for irrigation and will consider the expansion of the District. Logan County's Joint Development Authority (JDA) has committed $25,000 to support this effort, while the Linton Industrial Development Corporation (LIDC) has committed $20,000. These commitments demonstrate broad support for the planning effort, and the intent to provide service to a broad user base that is unified by a single need for consistent and reliable water supply.

**Describe the Objectives or Goals Specific to This Application*:**

The present application is seeking 75% cost share from the Department of Water Resources for the planning-phase of the proposed project.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

This study will evaluate the feasibility of supplying water from the Missouri River to producers in Emmons County and Logan County. The study will identify acres suitable for irrigation and potential locations for distribution. The study will also recommend a feasible project scale and provide preliminary cost estimation for that scale of effort.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Other |
| **What is the Current Estimated Population?*:** | 5200 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 1000 |

| | |
|---|---|
| **Have Assessment Districts Been Formed?*:** | No |
| **Have Land or Easements Been Acquired?*:** | No |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | Spring 2027 |
| **Design Completion*:** | Unknown |

| | |
|---|---|
| **Bid*:** | Unknown |
| **Construction Start*:** | Unknown |
| **Construction Completion*:** | Unknown |

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

| | |
|---|---|
| **Consulting Engineer*:** | James Guler |
| **Engineer Direct Phone Number*:** | 701-302-0373 |
| **Engineer Email*:** | james.guler@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Sharon (First Name) Schiermeister (Last Name) 12/22/2025 (Date) |
| **Title/Position/Authority*:** | Chairman, Horsehead Irrigation District |
| **Address*:** | 6125 Highway 1804<br>Address Line 1<br>Address Line 2 |

| | |
|---|---|
| | Hazelton North Dakota 58544-0000<br>City State Zip Code |
| **Direct Phone Number*:** | 701-220-4553 |
| **Sponsor Email*:** | slmeister1961@gmail.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Sharon Schiermeister<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Chairman |
| **Authorized Signor Email:** | slmeister1961@gmail.com |
| **Authorized Signor Direct Phone Number:** | 701-220-4253 |
| **Provide the Name for One Additional Board Member, if Applicable:** | First Name Last Name |
| **Additional Board Member Title/Position:** | |
| **Additional Board Member Email:** | |
| **Additional Board Member Direct Phone Number:** | |

# Documentation

### *Documentation*

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map** Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community ***:** | 23511_Horsehead_DWR_ProjectMap_12.22.2025.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 23511_Horsehead_DWR_Minutes_06.12.2025.pdf |
| **Cover Letter:** | 23511_Horsehead_DWR_Cover Letter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 23511_Horsehead_DWR_DelineationCosts.xlsx |
| **Type of Request:** | Study |
| **Is This a Water Supply Project?:** | Yes |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |

| | |
|---|---|
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | 23511_Horsehead_DWR_Minutes_JDA_09.19.2025.pdf |
| **Other Applicable Document:** | 23511_Horsehead_DWR_Minutes_LIDC_11.12.2025.pdf |
| **Other Applicable Document:** | 23511_Horsehead_DWR_DistrictReport_2002.pdf |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| | State Fiscal Year 1 | State Fiscal Year 2 July | Beyond |
|---|---|---|---|
| **If Other, Specify** | | | |

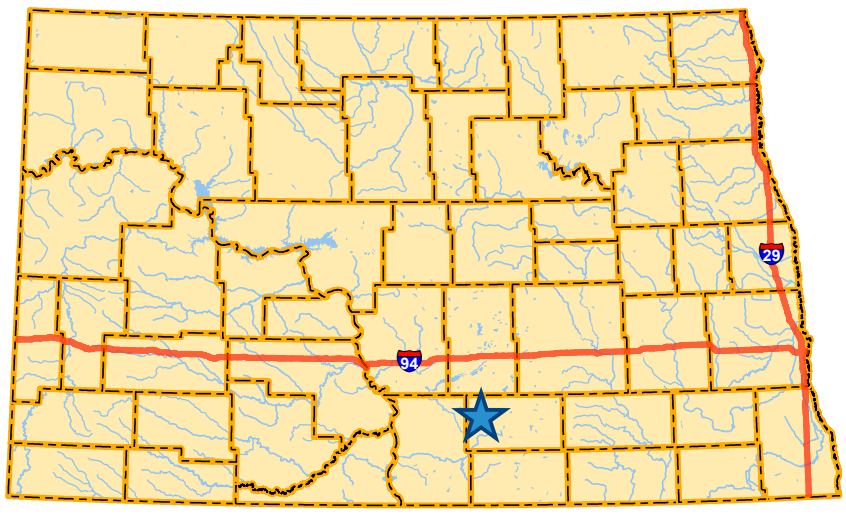
| Source | Funding Source | Source Status | July to June | to June | Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Current Request | $150,000.00 | $0.00 | $0.00 | $150,000.00 | | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $50,000.00 | $0.00 | $0.00 | $50,000.00 | | 0.00 | 0.00 |
| | | | **$200,000.00** | **$0.00** | **$0.00** | **$200,000.00** | | | |

## Legend

- Existing Horsehead Irrigation District
- City Limits
- County Boundary
- Counties where land may be considered for potential Horsehead Irrigation District Expansion Project

Pettibone
Kidder Co.
Stutsman Co.
Medina
Cleveland
94
Steele
Dawson
Tappen
Streeter
46
Gackle
Braddock
1806
Hazelton
34
Napoleon
Logan Co.
56
30
83
Fredonia
1804
Emmons Co.
Linton
3
Lehr
13
Wishek
Missouri River
24
Strasburg
McIntosh Co.
Fort Yates
Ashley
Hague
11
Venturia
Sioux Co.
Zeeland

Source: Esri, USDA FSA







# HORSEHEAD IRRIGATION DISTRICT FEASIBILITY STUDY
# PRELIMINARY STUDY PHASE 1
# EMMONS & LOGAN COUNTIES, NORTH DAKOTA

Created By: KMV Date Created: 12/26/24 Date Saved: 12/22/25 Date Exported: 12/22/25
Plotted By: hunter.sunderman Parcel Date: State Parcels 05/12/24 Aerial Image: USDA NAIP Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
T:\Projects\23500\23511\10_ArcPro\23511_DWR_Exhibit\23511_DWR_Exhibit.aprx

N W E S

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 23, 2025

| | |
|---|---|
| **Date :** | 12/17/25 |
| **Project :** | Horsehead Irrigation District Preliminary Study Phase I |
| **Sponsor :** | Horsehead Irrigation District |
| **Contact :** | Sharon Schiermeister, District Secretary |
| **Phone :** | 701-220-4553 |
| **Engineer :** | Moore Engineering, James Guler |
| **Phone :** | 701-302-0373 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 200,000.00 | **Total Cost-Share* :** | $ 150,000.00 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 200,000.00 | **Preconstruction :** | $ 150,000.00 |
| **Local Cost :** | $ 50,000.00 | **Construction :** | $ - |

| **Project Type:** | **Cost-share %** |
|---|---|
| Irrigation - Off Farm | 75% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 75% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 10.0% | Stakeholder Engagement | 1 | LS | 20,000.00 | $ 20,000.00 | 75% | $ 15,000.00 |
| 7 | 75.0% | Preliminary Design | 1 | LS | 150,000.00 | $ 150,000 | 75% | $ 112,500.00 |
| 8 | 15.0% | Feasibility Report | 1 | LS | 30,000.00 | $ 30,000 | 75% | $ 22,500.00 |
| 9 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 100.0% | **Preconstruction Total** | | | | $ 200,000.00 | 75% | $ 150,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 12 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Construction Engineering Total** | | | | $ - | 75% | $ - |
| | | **Construction Costs** | | | | | | |
| 15 | 0.0% | Mobilization | 0 | LS | - | $ - | 75% | $ - |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 75% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 75% | $ - |
| 18 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 19 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 20 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 21 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 22 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 23 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 24 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 25 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 27 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | | **Construction Sub-Total** | | | | $ - | 75% | $ - |
| | 0.0% | **Allowable Contingency (10%)** | | | | $ - | 75% | $ - |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Construction Total** | | | | $ - | 75% | $ - |
| | | Eligible Preconstruction | | | | $ 200,000.00 | 75% | $ 150,000.00 |
| | | Eligible Construction | | | | $ - | 75% | $ - |
| | | **Eligible Total** | | | | $ 200,000.00 | 75% | $ 150,000.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 200,000.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 200,000.00 | 75% | $ 150,000.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

DWR Date Received : 12/23/25

December 19, 2025

Beth Nangare
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: Horsehead Irrigation District Preliminary Study Phase I Preconstruction Cost-Share Request

Dear Beth:

The Horsehead Irrigation District has initiated a project to evaluate the feasibility of providing water from the Missouri River to serviceable areas within Emmons County and Logan County. Both counties have high production farmland that would benefit from irrigation. Many producers in these counties wish to irrigate but are unable to because of aquifer capacity limitations and associated difficulty obtaining permits. Furthermore, fluctuating water levels in the Missouri River have reduced the reliability of local intake structures.

Horsehead Irrigation District is working with Moore Engineering Inc. to develop a feasibility report that will provide the District with a better understanding of how many acres can be irrigated, the possible expansion of District boundaries, and the overall feasibility of a scenario for providing water supply from the Missouri River. The District respectfully requests 75% cost-share for these preconstruction activities, which will include preliminary design, cost evaluation, economic considerations and the development of the feasibility report.

We appreciate your willingness to support the District's efforts to promote economic development by studying the feasibility of increasing irrigable acres in the region. If you have any questions, please feel free to contact me or the Project Manager, James Guler, at (701) 302-0373 or james.guler@mooreengineeringinc.com.

Thank you.

Sincerely,



Sharon Schiermeister, Chairman
Horsehead Irrigation District
6125 Highway 1804
Hazelton, ND 58544
701-220-4553
slmeister1961@gmail.com

DWR Date Received : 12/23/25

November 12th, 2025- LIDC board meeting

Members present: President Dan W., Aaron Stuckle, Jodi K., Dan I. Crystal J. Also, present Coordinator Sharon Jangula.

- President Dan called the meeting to order at 8:00 AM in the Linton Community Center meeting room.
- Approve Agenda: Motion to approve by Crystal. 2nd Dan I. Unanimously Approved.
- Approve meeting minutes from October 8th, 2025, Meeting. Correction to add "loan" to the Park board discussion. Motion to approve as amended by Crystal. 2nd by Jodi. Unanimously approved.
- Approve Financials: Cash Transactions October 2025. Balance Sheet as of October 31st, 2025. Motion By Dan I. 2nd by Jodi. Unanimously approved.
- Payment of bills: BEK Communications, $138.28; City of Linton, $3,047.82.
- Approve payment of bills. Motion to approve by Crystal. 2nd by Jodi. Unanimously approved.
- New business:
    - Request by City of Linton to contribute toward purchase of mower. Cost is $13,300.00. Motion to approve grant of $5,000.00 in exchange for services by Jodi. 2nd by Crystal. Unanimously approved. Dan I. abstained from voting.
    - City of Linton: 8th street addition lots, city still owes $921,699.80. Interest payment $17,704.34. Requesting LIDC covers the interest for future payments from February 7th, 2025, moving forward. Motion to approve by Jodi. 2nd by Crystal. Unanimously approved. Dan I. abstained from voting.
    - Pool liner for Linton Park District: $80,000.00 loan; term 10 years, interest rate 0%. Motion by Crystal. 2nd by Jodi. Unanimously approved. Aaron abstained from voting.
- Other Business / Discussion:
    - Emmons/Logan irrigation project. Eric Hoberg Logan County. Carter Vander Wal Horse Head Irrigation District. Glenn Gefre Emmons County Water Conservation District. Tim Weber Emmons County Water Conservation District, Steve from Moore Engineering. Jim Guler & Steve Hanson-? via phone. Supply Study cost is $200,000.00. State grant has 75% contribution for cost. Logan JDA contributing $25,000.00. Motion to amend April Motion to: Approve up to $20,000.00 for Horsehead Irrigation District Emmons & Logan County feasibility study by Crystal. 2nd by Jodi. Unanimously approved.
    - Real Estate agreement for LIDC lots. $1,000.00 from buyer and $1,000.00 from seller. Motion to approve same agreement City of Linton has with Rafter Real Estate and Pfiefer's by Jodi. 2nd by Crystal. Unanimously approved.
- Next LIDC Board Meeting- December 12th, 2025. 8:00 AM at Linton Community Center meeting room.
- Adjourn: Motion by Crystal.

_____ _____

Daniel Weber, President Aaron Stuckle, Secretary

DWR Date Received : 12/23/25

# JDA Executive Board Meeting Minutes

## Sept 19, 2025

Executive Committee met at 8 am at White Maid in Napoleon.

Committee Members present were Bryan Grenz, Bob Humann, Christina Zenker, Dave Moser, and Rich Gross. Also present was EDC Eric Hoberg.

Executive Board reviewed Treasures Report and Balance Sheet with $30,786.35 available in checking and $40,000 in savings - committed to projects.

Christina made motion to approve treasure report, 2nd by Bob. Motion carried.

Christina had a Thank You Letter from the Gackle Economic Development Corporation for the $22,000 Grant used to remove and clean up an old building site and 3 lots on Main Street in Gackle.

Eric helped Del's Market apply for a State Grant for Rural Grocery Stores.

Rich made a motion to grant $10,000 for the removal and clean up of old Wentz Restaurant/ Chevrolet building. 2nd by Christina, motion passed.

Bob made a motion to partner with Horsehead Project in Emmons County and use the $25,000 previously approved to help fund the Irrigation Project Study, 2nd by Christina. Motion passed.

Meeting adjourned.

Richard Gross, Secretary

DWR Date Received : 12/23/25

**Special Meeting Minutes**
**Horsehead Irrigation District Board of Directors**
**June 12, 2025**
**Emmons County Courthouse Commissioners Room**

**Directors Present**: Sharon Schiermeister, Larry Umber Jr, John McCrory

**Others Present**: Carter VanderWal (telephone)
Eric Hoberg – Logan County Job Development Authority

The meeting was called to order by Chairman Sharon Schiermeister at 10:15 am. The April 2, 2025 minutes were reviewed with no corrections noted. John McCrory moved approval of the minutes. Larry Umber Jr seconded. All voted in favor of the motion.

Eric Hoberg provided an update on the study to bring water from the Missouri River to Logan County for irrigation. The total cost for the feasibility study is $200,000 which will be funded through a grant of $150,000 from the Department of Water Resources (DWR); $20,000 from the Linton Industrial Development Corp; $25,000 from Logan County JDA; and $5000 from Horsehead Irrigation District. The project approach was to evaluate land in Emmons and Logan counties suitable for irrigation and determine how many land owners are interested in irrigating. Logan County did not want to be the entity to sponsor the study which made the project ineligible to receive the grant from DWR. In addition, landowners were mainly interested in knowing what the cost would be in order to determine if irrigation would be feasible for them. So rather than having the study look at the demand side, the thought is to focus on the supply side and determine how we are going to do this, what is it going to cost and is it feasible. A meeting is scheduled for June 18 with DWR to get their input on changing the study to look at the supply side. In order for the study to receive the grant from DWR, the sponsoring entity must be a political subdivision or an irrigation district.

Discussion was held on whether or not Horsehead Irrigation District would want to be the sponsor for this study. There could be benefits for the District to look at options for centralized intake structures, and having a larger irrigation project could be helpful in getting first lift power.

Larry Umber Jr moved that Horsehead Irrigation District sponsor the application to the DWR for a feasibility study and commit $5000 towards the cost. John McCrory seconded. Motion passed unanimously.

John McCrory moved that the meeting be adjourned and Larry Umber Jr seconded the motion. The meeting was adjourned at 10:45 a.m.

Submitted by,

Larry Umber, Secretary

DWR Date Received : 12/24/25

I 2

# 1086970 - Drain No. 12 Reconstruction Project 2025-01

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:** Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 24, 2025 11:43 AM

**Initially Submitted By:** Melissa Hinkemeyer

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Melissa Middle Name
First Name
Rotzien
Last Name

**Title:**

**Email*:** melissa.rotzien@mooreengineeringinc.com

**Address*:** 4503 Coleman Street, Suite 105

Bismarck North Dakota 58503
City State/Province Postal Code/Zip

**Phone*:** 701-751-8374 Ext.
Phone
###-###-####

**Fax:** ###-###-####

**Comments:**

### Organization Information

**Status*:** Approved

**Name*:** Rush River Water Resource District

**Organization Type*:** Political Subdivision

**Tax Id:**

**Organization Website:**

**Address*:** 1201 Main Ave W

West Fargo North Dakota 58078-1301
City State/Province Postal Code/Zip

**Phone*:** (701) 261-1420 Ext.
###-###-####

**Fax:** ###-###-####

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

## Infrastructure Funding Request

***Infrastructure Funding Request***

**Project Name*:** Drain 12 Reconstruction Project 2025-01

**Sponsor(s)*:** Rush River Water Resource District

**County*:** Cass

**City*:** Amenia

**Description of Request*:** New

**Project Type:** Rural Flood Control

**If Project is a Study, What Type?:**

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:**

**Jurisdictions/Stakeholders Involved*:**

Rush River Water Resource District, Cass County, and local landowners

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

Cass County Drain 12, originally constructed along the Rush River by the US Army Corps of Engineers in the 1950s, is past its service life and needs improvements throughout the drain. A segment of Drain 12 is experiencing significant erosion along the side slopes and channel bottom, resulting in loss of capacity and damage to adjacent lands. Additionally, two bridges need replacement and hydraulic improvements to meet current standards.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This application seeks funding for final design and permitting service for bridge and channel reconstruction project for Cass Drain 12 in Sections 29, 30, 32, 33 in Rush River Township. The Rush River Water Resource District will complete a hydraulic evaluation that provides a design that meets local and state design criteria. Bridge design will be completed by the Cass County Highway Department. The proposed project includes replacing two township bridges, reconstructing the channel to improve the hydraulic capacity and reduce the risk of bank failure. The design will ensure no adverse impacts to upstream structures. Final design deliverables for this phase will be construction-ready plans and specifications, state & federal permit submittals, an opinion of preliminary cost, and bid package.

**Describe the Objectives or Goals Specific to This Application*:**

Finalize sizing and layout for crossings to meet WRD and State Stream Crossing Standards criteria. Develop construction-ready plans and specifications that mitigate slope failure and improve drainage efficiency.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

Bridge Design; Final design of channel including hydraulic modeling, plans and specification, permitting, and utility investigation.

**For this project,**

**Choose City, County, Water District or Other*:** Water District

**What is the Current Estimated Population?*:** 70

**For this project,**

**What is the Benefited Population?*:** 70

**Have Assessment Districts Been Formed?*:** Yes

**Date Formed:** 04/16/2001

**Have Land or Easements Been Acquired?*:** N/A

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** Yes

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

No existing drinking water or sanitary sewer systems. Improvements to structures are included in this project scope.

**Have You Applied For Any Federal Permits?*:** Ongoing

**If Yes or Ongoing, Please Explain (include type/number):**

404 Permit is in process.

**Have You Applied for any State Permits?*:** Ongoing

**If Yes or Ongoing, Please Explain (include type/number):**

Surface Drain Permit is in process.

**Have You Applied for any Local Permits?*:** N/A

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** No

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** N/A

**Design Completion*:** 05/2026

**Bid*:** 07/2026

**Construction Start*:** 09/2026

**Construction Completion*:** 09/2027

**Explain Additional Timeline Issues*:**

N/A

**Consulting Engineer*:** Nathan Trosen, PE, Moore Engineering, Inc.

**Engineer Direct Phone Number*:** 701-551-1060

**Engineer Email*:** nathan.trosen@mooreengineeringinc.com

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Melissa Hinkemeyer 12/24/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | Director, Secretary |
| **Address*:** | 1201 Main Ave W<br>Address Line 1<br>Address Line 2<br>West Fargo North Dakota 58078-0000<br>City State Zip Code |
| **Direct Phone Number*:** | 701-298-2384 |
| **Sponsor Email*:** | hinkemeyerm@casscountynd.gov |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | William Hejl<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Chairman |
| **Authorized Signor Email:** | wahejl@aol.com |
| **Authorized Signor Direct Phone Number:** | 701-238-9199 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Richard Sundberg<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice-Chairman |
| **Additional Board Member Email:** | dsccm@yahoo.com |
| **Additional Board Member Direct Phone Number:** | 701-866-9390 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | Yes |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 30960_Exhibit_20251212.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | Minutes_2025-11-18-DRAFT.pdf |
| **Cover Letter:** | 30960_CassD12_Precon_CoverLetter_20251222_Signed.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 30960_RRWRD_Delineation_20251224.xlsx |
| **Type of Request:** | Preconstruction |
| **Is This a Water Supply Project?:** | No |
| **Is This a Rural Flood Control Project?:** | Yes |
| **Is This a Drain Reconstruction Project?:** | Yes |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Current Request | $150,000.00 | $0.00 | $0.00 | $150,000.00 | Grant | 0.00 | 0.00 |
| Other | Local Funds | Already Approved | $60,000.00 | $2,046,000.00 | $0.00 | $2,106,000.00 | Grant | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Future Request | $0.00 | $2,874,000.00 | $0.00 | $2,874,000.00 | Grant | 0.00 | 0.00 |
| Other | Cass County | Already Approved | $40,000.00 | $260,000.00 | $0.00 | $300,000.00 | | 0.00 | 0.00 |
| | | | **$250,000.00** | **$5,180,000.00** | **$0.00** | **$5,430,000.00** | | | |

DWR Date Received : 12/24/25

**Legend**

- Project Crossings
- Project Area

Rush River Township

Amenia Township

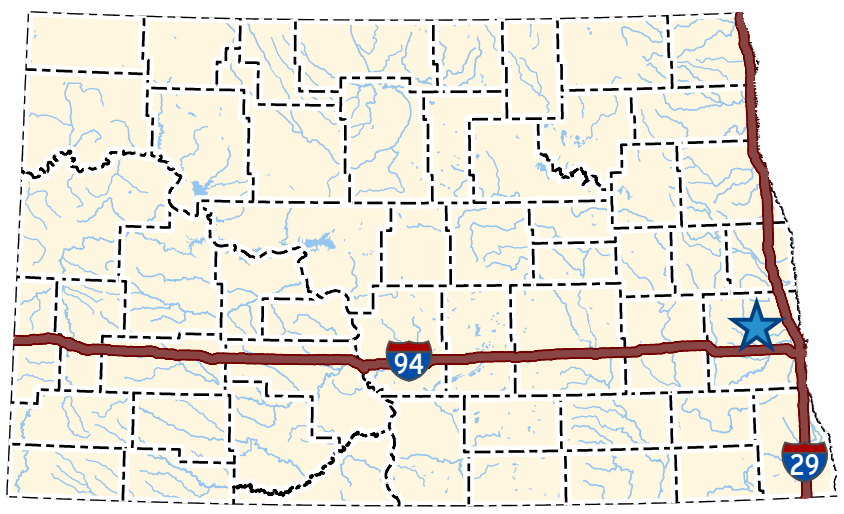
Casselton Township

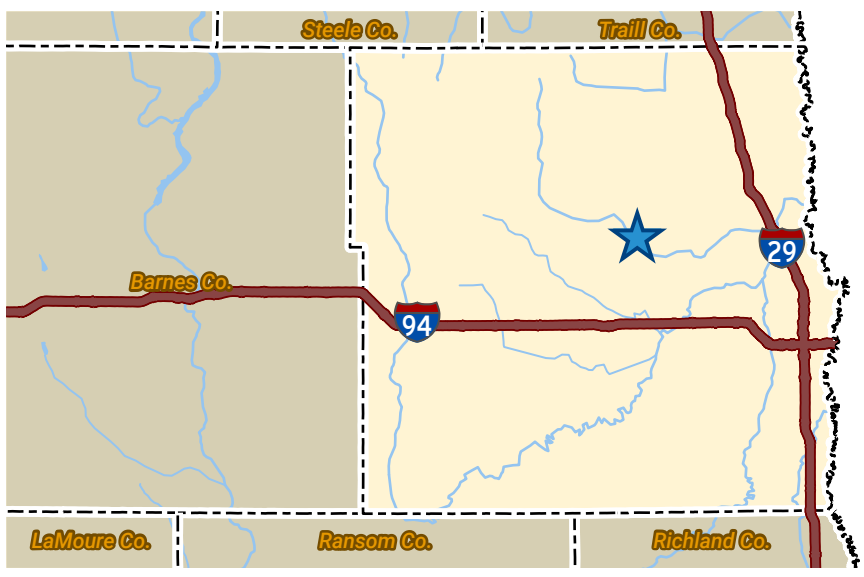
Harmony Township

Rush River

DRAIN 52

Source: Esri, USDA FSA




# DRAIN 12 RECONSTRUCTION
# CASS COUNTY, NORTH DAKOTA

Created By: KMV Date Created: 01/06/2025 Date Saved: 12/12/25 Date Exported: 12/12/25
Exported By: tanner.schmidt Parcel Date: State Parcels N/A Aerial Image: NAIP Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
Q:\Projects\30000\30900\30960 Drain12ReconstructionProject2025-01\GIS\APRX\30960_DWRMap.aprx

N W E S

moore engineering, inc.

DWR Date Received : 12/29/25

End of the Rush River Federal Project (Cass County Drain 12)

Start of the Rush River Federal Project (Cass County Drain 12)

Amenia Twp

Rush River Twp

Berlin Twp

Harwood Twp

ARGUSVILLE

AMENIA

HARWOOD

Casselton Twp

Harmony Twp

Raymond Twp

Reed Twp

Rush River

Lower Branch Rush River

Sheyenne River

Swan Creek

Maple River

32

17

17

# Location Map - Rush River Federal Project (Drain 12)
# Drain 12 Reconstruction Project No. 2025-01
# Rush River Water Resource District

Created By: NHT Date Created: 01/21/2020 Date Saved: 12/29/25 Date Plotted: NEVER Date Exported: 12/29/25
Plotted By: zach.cormican Parcel Date: XX/XX/XX Aerial Image: 2017 County NAIP SIDS Elevation Data: Lidar
Horizontal Datum: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet Vertical Datum: NAVD1988
T:\BaseData\ND\County\Cass\Cass County Basemap - NHT.mxd

N W E S

0 3,000 6,000 12,000 Feet

1 inch = 6,000 feet

**LEGEND:**

- Project Crossings
- Proposed Project Extents
- River / Stream
- Federal Project

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 24, 2025

| | |
|---|---|
| **Date :** | 12/24/25 |
| **Project :** | Drain No. 12 Reconstruction Project 2025-01 |
| **Sponsor :** | Rush River Water Resource District |
| **Contact :** | Melissa Hinkemeyer, Director, Secretary |
| **Phone :** | (701) 298-2384 |
| **Engineer :** | Nathan Trosen, PE, Moore Engineering, Inc. |
| **Phone :** | (701) 551-1060 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 5,430,000.00 | **Total Cost-Share* :** | $ 3,024,000.00 |
| **Ineligible Cost :** | $ 390,000.00 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 5,040,000.00 | **Preconstruction :** | $ 150,000.00 |
| **Local Cost :** | $ 2,406,000.00 | **Construction :** | $ 2,874,000.00 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Rural Flood Control - Assessment Drain(s) | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 4.6% | Engineering - Design & Permitting | 1 | LS | 250,000.00 | $ 250,000.00 | 60% | $ 150,000.00 |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 4.6% | **Preconstruction Total** | | | | $ 250,000.00 | 60% | $ 150,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 4.6% | Engineering - Construction | 1 | LS | 250,000.00 | $ 250,000.00 | 60% | $ 150,000.00 |
| 12 | 4.6% | Utility Relocations | 1 | LS | 250,000.00 | $ 250,000.00 | 60% | $ 150,000.00 |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 9.2% | **Construction Engineering Total** | | | | $ 500,000 | 60% | $ 300,000.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 0.0% | Mobilization | 0 | LS | - | $ - | 60% | $ - |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 19 | 44.2% | Channel Reconstruction | 4.8 | MILE | 500,000.00 | $ 2,400,000.00 | 60% | $ 1,440,000.00 |
| 20 | 27.6% | Bridge Replacements | 2 | EA | 750,000.00 | $ 1,500,000.00 | 60% | $ 900,000.00 |
| 21 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 22 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 23 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 24 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 25 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 27 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 7.2% | **Construction Sub-Total** | | | | $ 3,900,000.00 | 60% | $ 2,340,000.00 |
| | 0.0% | **Allowable Contingency (10%)** | | | | $ 390,000.00 | 60% | $ 234,000.00 |
| | 79.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | | **Construction Total** | | | | $ 4,290,000.00 | 60% | $ 2,574,000.00 |
| | | Eligible Preconstruction | | | | $ 250,000.00 | 60% | $ 150,000.00 |
| | | Eligible Construction | | | | $ 4,790,000.00 | 60% | $ 2,874,000.00 |
| | | **Eligible Total** | | | | $ 5,040,000.00 | 60% | $ 3,024,000.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 7.2% | Ineligible Contingencies | 1 | LS | 390,000.00 | $ 390,000.00 | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 7.2% | **Construction Ineligible Total** | | | | $ 390,000.00 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 390,000.00 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 5,430,000.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 5,040,000.00 | 60% | $ 3,024,000.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

DWR Date Received : 12/24/25

CASS COUNTY GOVERNMENT

Rush River Water Resource District

William A. Hejl
Chairman
Amenia, North Dakota

Richard Sundberg
Manager
Harwood, North Dakota

Jacob Gust
Manager
Fargo, North Dakota

Melissa Hinkemeyer
Director, Secretary

Amy Hepper
Treasurer

1201 Main Avenue West
West Fargo, ND 58078

701-298-2381
FAX 701-298-2397
wrd@casscountynd.gov
www.casscountynd.gov

December 22, 2025

Beth Nangare
Cost Share Program Administrator
Department of Water Resources
1200 Memorial Highway
Bismarck ND 58504

RE: Cass County Drain No. 12 Reconstruction Project 2025-01
Preconstruction Cost Share Request

Dear Beth,

The Rush River Water Resource District (the "District") has initiated a project to replace bridge crossings and reconstruct the channel of Cass County Drain No. 12 in Sections 29, 30, 32, and 33 of Rush River Township. Drain No. 12, originally constructed along the Rush River by the US Army Corps of Engineers in the 1950s, is past its service life and needs improvements throughout. This segment of Drain No. 12 is experiencing significant erosion along the side slopes and channel bottom, resulting in loss of capacity and damage to adjacent lands. Additionally, two bridges need replacement and hydraulic improvements to meet current standards.

The District will complete a hydraulic evaluation that provides a design that meets local and state design criteria. Bridge design will be completed by the Cass County Highway Department. The proposed project includes replacing two township bridges and reconstructing the channel to improve the hydraulic capacity and reduce the risk of bank failure.

The present application requests cost-share assistance to complete final design of the proposed project. As part of the final design effort, the District & County will finalize the crossing replacement, channel profile, and all required permitting. The final deliverables for this phase will be construction-ready plans and specifications, state & federal permit submittals, an opinion of preliminary cost, and bid package.

The District respectfully requests 60% cost-share for these preconstruction activities. If you have any questions, please feel free to contact me or our project engineer, Nathan Trosen, Moore Engineering, at nathan.trosen@mooreengineeringinc.com or 701-551-1060. Thank you.

Sincerely,

RUSH RIVER WATER RESOURCE DISTRICT

Melissa Hinkemeyer

Melissa Hinkemeyer
Director, Secretary

DWR Date Received : 12/24/25

# DRAFT

**These are DRAFT minutes, subject to amendment before final approval by the Rush River Water Resource District.**

MINUTES OF THE RUSH RIVER WATER RESOURCE DISTRICT MEETING
ORIGINATING AT THE CASS COUNTY HIGHWAY DEPARTMENT
HERITAGE CONFERENCE ROOM
WEST FARGO, NORTH DAKOTA
NOVEMBER 18, 2025
9:00 A.M.

A meeting of the Rush River Water Resource District (RRWRD) was held on November 18, 2025. The meeting was called to order at 9:00 a.m.

Present were William A. Hejl, Chairman; Richard Sundberg, Manager; Jacob Gust, Manager; Melissa Hinkemeyer, Director, Secretary; Amy Hepper, Treasurer; Elizabeth Smith, Administrative Assistant; Rita Nelson, Accounting Assistant; Sean M. Fredricks, Ohnstad Twichell, P.C.; Kurt Lysne, Nathan Trosen, and Brady Woodard, Moore Engineering, Inc.; Mike Opat, Houston Engineering, Inc.; Duane Breitling, Cass County Commissioner; and Tom Fuchs, Metro Flood Diversion Authority (MFDA).

**Approval of agenda**
It was moved by Manager Sundberg and seconded by Manager Gust to approve the order of the agenda, as amended. Upon roll call vote, the motion carried unanimously.

**Minutes**
It was moved by Manager Sundberg and seconded by Manager Gust to approve the minutes of the October 21, 2025, meeting, as presented. Upon roll call vote, the motion carried unanimously.

**Metro Flood Diversion Project – General Update**
Tom Fuchs reported on construction progress of various components of the Metro Flood Diversion Project. Mr. Fuchs noted trains have been put on the Hillsboro Burlington Northern Santa Fe Railway (BNSF) main line, that has allowed the shoofly to be removed and County Road 81 to be open to traffic. The P3 developer has begun excavating the Metro Flood Diversion channel at the Rush River and Lower Rush River alignment in preparation for rerouting those rivers permanently to the Diversion channel. County Road 16 and 17 work continues in order to open these roads for winter. Work continues at the Maple River aqueduct as well. The Maple River will be rerouted across the aqueduct structure soon. Discussion was held on how the winter weather will affect construction work.

**Metro Flood Diversion Project – Rush River (Drain #12) transition**
Nathan Trosen indicated the Rush River transition project construction is estimated for next May. Mr. Trosen noted the Metro Flood Diversion Authority has reviewed the project design and Moore Engineering, Inc. will start advertising for bids next week. Moore

Engineering, Inc. will bring an update to the December meeting. The earlier bidding timeframe allows the contractor to begin ordering materials needed for the project.

**Metro Flood Diversion Project – Lower Rush River (Drain #2) transition**

Kurt Lysne reported the Lower Rush River transition to the Metro Flood Diversion Project is complete. Mr. Trosen reviewed the *First Amendment to Agreement, Final Balancing Change Order*, and *Contractor's Application for Payment No. 1* for Dirt Dynamics for the Lower Rush River transition to the Metro Flood Diversion Channel. Mr. Trosen noted the additional costs are due to additional rip rap needed for the Project.

It was moved by Manager Gust and seconded by Manager Sundberg to approve and authorize the Chairman to sign the following regarding Lower Rush River transition project:

- *First Amendment to Agreement*
- *Final Balancing Change Order* with Dirt Dynamics in the amount of $15,939
- *Contractor's Application for Payment No. 1* for Dirt Dynamics in the amount of $209,553

Upon roll call vote, the motion carried unanimously.

**Rush River / Lower Rush River – Future bridge replacements and flattening side slopes**

Mr. Trosen reported Cass County approved and signed the *Joint Powers Agreement* with the Water Resource District for the side slope flattening and bridge replacements project on the Rush River. Moore Engineering, Inc. is working with the Cass County Highway Department on preparing a cost estimate for the project. Mr. Trosen also noted a Section 404 Permit is required from the Corps of Engineers.

A motion was made by Manager Sundberg and seconded by Manager Gust to authorize Moore Engineering, Inc. and the Secretary to apply for cost-share from the State Water Commission for preliminary engineering with a total estimated cost of $250,000, of which $150,000 cost-share is being requested from the State Water Commission regarding the side slope flattening and bridge replacements project on the Rush River. Upon roll call vote, the motion carried unanimously.

**Rush River / Lower Rush River – Andrews easement**

Mr. Trosen discussed the updated Certificate of Survey of the proposed easement for the Rush River on the Andrews property. The proposed easement would replace the existing easement and clarifies the easement area. The proposed easement has been sent to the Andrews for their review. Brief discussion was held on costs incurred with the updated easement.

***Joint Water Resource District Agreement***

Mr. Fredricks briefly reviewed updates that have been made to the *Joint Water Resource District Agreement* following recent discussions. Mr. Fredricks also noted there are provisions in the Agreement regarding approval of Surface Drain Permits. The Board discussed the language regarding approval of Surface Drain Permits.

A motion was made by Manager Sundberg and seconded by Manager Gust to approve and authorize the Chairman to sign the *Joint Water Resource District Agreement*. Upon roll call vote, the motion carried unanimously.

**Cass County Joint Water Resource District (CCJWRD) report**
Manager Gust reported on litigation updates regarding CCJWRD acquisition of property rights for the Metro Flood Diversion Project.

**Red River Joint Water Resource District (RRJWRD) report**
Manager Sundberg reported that the RRJWRD Full Board meeting is December 11, 2025.

**Bills**
It was moved by Manager Sundberg and seconded by Manager Gust to approve the wire transfers and the electronic funds transfers, as presented. Upon roll call vote, the following Managers voted in favor: Hejl, Sundberg, Gust. The motion carried unanimously.

**Public Comment**
There were no speaker cards submitted for public comment at this meeting.

**Geronimo Energy solar line**
The Board next discussed the proposed Geronimo Energy solar line. Chairman Hejl indicated Geronimo initially proposed a line that would run near or across his family's land. Geronimo is willing to consider an alternative route that would require an easement over the Rush River Water Resource District's Drain 52 and Rush River right of way. Before the Board continued with any substantive discussion regarding the proposed project, the Board agreed a conflict analysis would be prudent regarding Chairman Hejl's personal interest in the matter.

Sean Fredricks explained North Dakota law regarding conflicts, Section 44-04-22 of the North Dakota Century Code, provides the relevant standard. That statute provides:

A person acting in a legislative or quasi-legislative or judicial or quasi-judicial capacity for a political subdivision of the state who has a direct and substantial personal or pecuniary interest in a matter before that board, council, commission, or other body, must disclose the fact to the body of which that person is a member, and may not participate in or vote on that particular matter without the consent of a majority of the rest of the body.

In this case, Fredricks indicated Chairman Hejl likely has a "direct and substantial personal interest" in the matter that creates a conflict. Manager Gust moved to conclude Chairman Hejl has a conflict in the matter and should not vote on or discuss matters related to the Geronimo Energy solar line. Manager Sundberg seconded the motion. Upon a roll call vote, Manager Gust and Manager Sundberg voted in favor of the motion. Chairman Hejl abstained. The motion carried.

There is an additional conflict statute specific to water resource districts, Section 61-16-08.1 of the Century Code, that provides the County Commission with discretionary

authority to appoint alternate water managers if a full-time member has a conflict. However, that statute was effectively superseded by Section 44-04-22 when the Legislature adopted Section 44-04-22 in 1995 (Section 61-16-08.1 went into effect in 1985). Section 61-16-08.1 does not provide a definition for what qualifies as a "conflict of interest" and does not provide a mandatory process; rather, the legislative history of Section 61-16-08.1 indicates the Legislature approved that statute to provide a process for water managers to avoid situations where they are not comfortable voting on a matter and is not a mandatory process. Conversely, the process under Section 44-04-22 is mandatory for conflict situations, provides a detailed test for determining if a conflict exists, and provides a detailed process for a Board to proceed even if a conflict does exist. The Legislature enacted Section 44-04-22 after passing the vague and optional Section 61-16-08.1 and, therefore, the process under Section 44-04-22 controls all conflict matters.

With the conflict issue concluded, the Board proceeded with discussion regarding the proposed Geronimo Energy solar line.

The Board discussed meeting with Geronimo Energy representatives to discuss the possibility of the solar line alternative route across Rush River Water Resource District property.

**Adjournment**

There being no further business to be considered by the Board, the meeting adjourned without objection at 9:34 a.m.

APPROVED:

_____

William A. Hejl
Chairman

ATTEST:

_____

Melissa Hinkemeyer
Secretary

DRAFT

Water Development Plan: 2025
Priority: Low

I 3

# 1087029 - Cass County Drain No. 37 Improvements

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 23, 2025 2:51 PM

**Initially Submitted By:** Melissa Hinkemeyer

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh
First Name
Middle Name Wayt
Last Name

**Title:** Funding Specialist

**Email*:**
josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E
Suite 1

### Organization Information

**Status*:** Approved

**Name*:**
Maple River Water Resource District

**Organization Type*:** Political Subdivision

**Tax Id:** 45-0357490

**Organization Website:**

**Address*:** 1201 Main Avenue W

| | | |
|---|---|---|
| | West Fargo | North Dakota |
| | City | State/Province |
| 58078 | | |
| Postal Code/Zip | | |
| **Phone*:** | (701) 200-5455 | Ext. |
| | Phone | |
| | ###-###-#### | |
| **Fax:** | ###-###-#### | |
| **Comments:** | | |

| | | |
|---|---|---|
| | West Fargo | North Dakota |
| | City | State/Province |
| 58078-____ | | |
| Postal Code/Zip | | |
| **Phone*:** | (701) 298-2381 | Ext. |
| | ###-###-#### | |
| **Fax:** | ###-###-#### | |
| **Vendor ID:** | | |
| **PeopleSoft Supplier ID:** | | |
| **Comments:** | | |
| **Location Code:** | | |

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | Cass County Drain No. 37 Improvements |
| **Sponsor(s)*:** | Maple River Water Resource District |
| **County*:** | Cass |
| **City*:** | Davenport |
| **Description of Request*:** | New |
| **Project Type:** | Rural Flood Control |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | |

**Jurisdictions/Stakeholders Involved*:**

Maple River Water Resource District and local landowners.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

Cass County Drain No. 37 was initially constructed in 1918. The last major construction on this drain occurred in 1977. Today the upstream 2.6 miles of Cass County Drain No. 37 has steep gradients that cause enhanced velocity, erosion, and slope stability issues. Additionally, the 4 crossings within this portion of the drain are in poor condition and/or undersized.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The project will improve the upstream 2.6 miles of the existing legal drain. The improved channel will consist of a 10' bottom width with 4:1 side slopes and a channel gradient between 0.05% and 0.14%. The project will also replace 4 crossings that are in poor condition. Because there is a fair amount of grade throughout the project area, 3 of the crossings will include a 2' drop and the fourth will include a 1.5' drop. The channel is designed for a 10-year event based on the USGS regression equations, while the crossings are designed for a 10-year event to meet North Dakota Stream Crossing Standards. One exception is the crossing at County Road 36, which was designed for a 25-year event.

**Describe the Objectives or Goals Specific to This Application*:**

The District is seeking 60% cost share from DWR for construction of the project described above.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The District will flatten/widen the channel and replace 4 crossings as described above. Requested funds are for construction and construction engineering services.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 500 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 500 |
| **Have Assessment Districts Been Formed?*:** | Yes |
| **Date Formed:** | 04/05/2012 |

**Have Land or Easements Been Acquired?*:** Ongoing

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** No

**Have You Applied For Any Federal Permits?*:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The project received a USACE Section 404 Permit (Permit No. NWO-2022-1285-BIS) on April 17, 2023.

**Have You Been approved for any Federal Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The project received a USACE Section 404 Permit (Permit No. NWO-2022-1285-BIS) on April 17, 2023.

**Have You Applied for any State Permits?*:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The project received a DWR Surface Drain Permit (Permit No. 6070) on September 9, 2022.

**Have You Been Approved for any State Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The project received a DWR Surface Drain Permit (Permit No. 6070) on September 9, 2022.

**Have You Applied for any Local Permits?*:** N/A

| | |
|---|---|
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | N/A |
| **Design Completion*:** | 01/15/2026 |
| **Bid*:** | 02/05/2026 |
| **Construction Start*:** | 05/01/2026 |
| **Construction Completion*:** | 11/01/2026 |

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

| | |
|---|---|
| **Consulting Engineer*:** | Nathan Trosen |
| **Engineer Direct Phone Number*:** | 701-361-6615 |
| **Engineer Email*:** | nathan.trosen@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Melissa Hinkemeyer 12/23/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | Director, Secretary |
| **Address*:** | 1201 Main Ave W<br>Address Line 1<br>Address Line 2<br>West Fargo North Dakota 58078-0000<br>City State Zip Code |
| **Direct Phone Number*:** | 701-298-2384 |
| **Sponsor Email*:** | hinkemeyerm@casscountynd.gov |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Gerald Melvin<br>First Name Last Name |

| | |
|---|---|
| **Authorized Signor Title/Position:** | Chairman |
| **Authorized Signor Email:** | gemelvin10@gmail.com |
| **Authorized Signor Direct Phone Number:** | 701-793-1695 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Chad Miller<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice-Chairman |
| **Additional Board Member Email:** | millerad55@hotmail.com |
| **Additional Board Member Direct Phone Number:** | 701-371-8075 |

# Documentation

### *Documentation*

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 22211_Drain37_Construction_ProjectMap.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 22211_Drain37_Construction_MeetingMinutes_20251204.pdf |
| **Cover Letter:** | 22211_Drain37_Construction_CoverLetter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 22211_Drain37_Construction_Delineation.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 22211_Drain37_Construction_Plans_Signed_20251218.pdf |
| **Is This a Water Supply Project?:** | No |
| **Is This a Rural Flood Control Project?:** | Yes |
| **Approved Drainage Permit:** | 22211_Drain37_Construction_SurfaceDrainPermit6070_SIGNED.pdf |
| **Results Of Positive Assessment Vote:** | 22211_Drain37_Construction_AssessmentList.pdf |
| **Is This a Drain Reconstruction Project?:** | Yes |
| **Sediment Analysis:** | 22211_Drain37_Construction_Sediment Analysis_20221214.pdf |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |

| | |
|---|---|
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | 22211_Drain37_Construction_SpecificationsPacket_20251222.pdf |
| **Other Applicable Document:** | 22211_Drain37_Construction_InspectionReport_20230712.pdf |
| **Other Applicable Document:** | 22211_Drain37_Construction_Section404Permit.pdf |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share | | Already Approved | ~~$42,237.45~~ $44,505 | $0.00 | $0.00 | ~~$42,237.45~~ $44,505 | | 0.00 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pre-Construction | | | | | | | | |
| Department of Water Resources Cost Share Construction | | Current Request | $719,947.05 | $0.00 | $0.00 | $719,947.05 | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $771,023.25 | $0.00 | $0.00 | $771,023.25 | 0.00 | 0.00 |
| | | | ~~**$1,533,207.75**~~ $1,538,247 | **$0.00** | **$0.00** | ~~**$1,533,207.75**~~ $1,538,247 | | |

Everest
Buffalo Creek
Durbin
Maple River
Mapleton
Warren
Addison
Maple River
Davenport
Leonard
158 1/2 AVE SE
157TH AVE SE
160TH AVE SE
162ND AVE SE
163RD AVE SE
158TH AVE SE
161ST AVE SE
159TH AVE SE
155TH AVE SE
136TH AVE SE
41ST ST SE
42ND ST SE
43RD ST SE
45TH ST SE
46TH ST SE
47TH ST SE
49TH ST SE
50TH ST SE
52ND ST SE
53RD ST SE
DRAIN 37
DRAIN 14
DRAIN 15
DRAIN 39
2.6 Miles
Ayr
Argusville
Amenia
Tower City
Buffalo
Casselton
Reiles Acres
Fargo
Horace
Alice
Enderlin
Kindred
CassCo.
Rivers / Streams
Drain No. 37 Improvement Project Reach
Exisiting Cass County Drains
Civil Townships

**Cass County Drain No. 37 Improvement Project**
**Maple River Water Resource District**
**Cass County, North Dakota**

Created By: AKS Date Created: 10/11/2021 Date Saved: 11/18/22 Date Plotted: NEVER Date Exported: 11/18/22
Plotted By: andrew.smith Parcel Date: XX/XX/20 Aerial Image: 2019 County NAIP SIDS Elevation Data: Lidar
Horizontal Datum: NAD 1983 UTM Zone 14N Vertical Datum: NAVD1988
T:\Projects\22200\22211\22211_ProjectMap_20211011.mxd

N W E S

0 0.25 0.5 1 1.5 Miles

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 23, 2025

| | |
|---|---|
| **Date :** | 12/23/25 |
| **Project :** | Cass County Drain No. 37 Improvements |
| **Sponsor :** | Maple River Water Resource District |
| **Contact :** | Melissa Hinkemeyer, Director/Secretary |
| **Phone :** | 701-298-2384 |
| **Engineer :** | Moore Engineering, Nathan Trosen |
| **Phone :** | 701-361-6615 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 1,538,246.75 | **Total Cost-Share* :** | $ 779,287.05 |
| **Ineligible Cost :** | $ 239,435.00 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 1,298,811.75 | **Preconstruction :** | $ 44,505.00 |
| **Local Cost :** | $ 758,959.70 | **Construction :** | $ 719,947.05 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Rural Flood Control - Assessment Drain(s) | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 4.6% | Final Design | 1 | LS | 71,400.00 | $ 71,400.00 | 45% | $ 32,130.00 |
| 7 | 1.8% | Preliminary Design | 1 | LS | 27,500.00 | $ 27,500 | 45% | $ 12,375.00 |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 6.4% | **Preconstruction Total** | | | | $ 98,900.00 | 60% | $ 44,505.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 6.5% | Construction Contract Mmgt. | 1 | LS | 100,468.50 | $ 100,468.50 | 60% | $ 60,281.10 |
| 12 | 4.6% | Utilities - Construction | 1 | LS | 70,000.00 | $ 70,000.00 | 60% | $ 42,000.00 |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 11.1% | **Construction Engineering Total** | | | | $ 170,469 | 60% | $ 102,281.10 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.0% | Mobilization | 1 | LS | 30,000.00 | $ 30,000.00 | 60% | $ 18,000.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 1.3% | Clearing & Grubbing | 1 | LS | 20,000.00 | $ 20,000.00 | 60% | $ 12,000.00 |
| 19 | 7.8% | Common Excavation | 40100 | CY | 3.00 | $ 120,300.00 | 60% | $ 72,180.00 |
| 20 | 9.3% | Stripping Soil | 2.6 | MI | 55,000.00 | $ 143,000.00 | 60% | $ 85,800.00 |
| 21 | 0.3% | Culvert Removals | 204 | LF | 25.00 | $ 5,100.00 | 60% | $ 3,060.00 |
| 22 | 15.6% | CSPA - All sizes | 448 | LF | 537.05 | $ 240,600.00 | 60% | $ 144,360.00 |
| 23 | 6.1% | CSP - All sizes | 1020 | LF | 91.76 | $ 93,600.00 | 60% | $ 56,160.00 |
| 24 | 0.8% | Flared End Section - All sizes | 17 | EA | 702.94 | $ 11,950.00 | 60% | $ 7,170.00 |
| 25 | 1.3% | Flap Gate | 17 | EA | 1,191.18 | $ 20,250.00 | 60% | $ 12,150.00 |
| 26 | 1.5% | Materials - Fill | 562 | CY | 40.00 | $ 22,480.00 | 60% | $ 13,488.00 |
| 27 | 0.2% | Gravel | 80 | CY | 40.00 | $ 3,200.00 | 60% | $ 1,920.00 |
| 28 | 0.2% | Geotextile Fabric | 410 | SY | 6.00 | $ 2,460.00 | 60% | $ 1,476.00 |
| 29 | 7.2% | Rip-Rap | 1000 | CY | 110.20 | $ 110,200.00 | 60% | $ 66,120.00 |
| 30 | 0.6% | Rip-Rap Drop Structure | 1585 | SY | 5.50 | $ 8,717.50 | 60% | $ 5,230.50 |
| 31 | 2.3% | Seeding | 24 | AC | 1,500.00 | $ 36,000.00 | 60% | $ 21,600.00 |
| 32 | 1.7% | Rock Check | 8 | EA | 3,250.00 | $ 26,000.00 | 60% | $ 15,600.00 |
| 33 | 1.3% | Stormwater Management | 1 | LS | 20,000.00 | $ 20,000.00 | 60% | $ 12,000.00 |
| 34 | 0.8% | Traffic Control | 1 | LS | 12,000.00 | $ 12,000.00 | 60% | $ 7,200.00 |
| 35 | 0.7% | Material Testing | 1 | ALL | 10,000.00 | $ 10,000.00 | 60% | $ 6,000.00 |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 935,857.50 | 60% | $ 561,514.50 |
| | 6.1% | **Allowable Contingency (10%)** | | | | $ 93,585.75 | 60% | $ 56,151.45 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 66.9% | **Construction Total** | | | | $ 1,029,443.25 | 60% | $ 617,665.95 |
| | | Eligible Preconstruction | | | | $ 98,900.00 | 60% | $ 59,340.00 |
| | | Eligible Construction | | | | $ 1,199,911.75 | 60% | $ 719,947.05 |
| | | **Eligible Total** | | | | $ 1,298,811.75 | 60% | $ 764,452.05 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 2.0% | Preliminary Study | 1 | LS | 30,452.00 | $ 30,452 | 0% | $ - |
| 38 | 7.2% | Funding, Admin, & Legal | 1 | LS | 110,000.00 | $ 110,000 | 0% | $ - |
| 39 | 6.2% | Right-of-Way Admin. (for Drains) | 1 | LS | 95,550.00 | $ 95,550 | 0% | $ - |
| 40 | 0.0% | | | | - | $ - | 0% | $ - |
| | 15.3% | **Preconstruction Ineligible Total** | | | | $ 236,002 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.2% | Dredging/Sediment Removal (for Drain Recon.) | 1 | LS | 3,433.00 | $ 3,433.00 | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.2% | **Construction Ineligible Total** | | | | $ 3,433.00 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 239,435.00 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 1,538,246.75 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 1,298,811.75 | 60% | $ 779,287.05 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

DWR Date Received : 12/23/25

CASS COUNTY GOVERNMENT

December 22, 2025

Maple River Water Resource District

Gerald Melvin
Chairman
Buffalo, North Dakota

Chad Miller
Manager
Buffalo, North Dakota

Dallas Hoffmann
Manager
Wheatland, North Dakota

Melissa Hinkemeyer
Director, Secretary

Amy Hepper
Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrd@casscountynd.gov
www.casscountynd.gov

Beth Nangare
Cost Share Program Administrator
Department of Water Resources
1200 Memorial Highway
Bismarck ND 58504

Dear Beth:

RE: Cass County Drain No. 37 Improvement Project Construction Cost Share Request

The Maple River Water Resource District (the "District") has initiated a project to improve the upstream 2.6 miles of Cass County Drain No. 37. This legal drain has steep gradients that have caused enhanced velocity, erosion, and slope stability issues.

The project will flatten and widen the channel and will replace 4 crossings that are in poor condition and/or undersized. Specifically, the improved channel will consist of a 10-foot bottom width, 4:1 side slopes, and an improved gradient to reduce velocities. The crossings are designed for at least a 10-year event to meet the North Dakota Stream Crossing Standards.

Pursuant to current Department of Water Resources (DWR) cost-share policy, the District respectfully requests 60% DWR cost-share for the project. If awarded, funds will be used for construction and construction engineering services.

We appreciate your willingness to support the District's efforts to provide reliable, resilient, and cost-effective public drainage. If you have any questions, please feel free to contact me or the Project Manager, Nathan Trosen, at (701) 361-6651 or nathan.trosen@mooreengineeringinc.com.

Thank you.

Sincerely,

MAPLE RIVER WATER RESOURCE DISTRICT

Melissa Hinkemeyer
Director, Secretary

DWR Date Received : 12/23/25

# DRAFT

**These are DRAFT minutes, subject to amendment before final approval by the Maple River Water Resource District.**

MINUTES OF MAPLE RIVER WATER RESOURCE DISTRICT MEETING
ORIGINATING AT THE CASS COUNTY HIGHWAY DEPARTMENT
HERITAGE CONFERENCE ROOM
WEST FARGO, NORTH DAKOTA
DECEMBER 4, 2025
9:00 A.M.

A meeting of the Maple River Water Resource District (MRWRD) was held on December 4, 2025. The meeting was called to order at 9:03 a.m.

Present were Gerald Melvin, Chairman; Chad Miller, Manager; Dallas Hoffmann, Manager; Melissa Hinkemeyer, Director, Secretary; Amy Hepper, Treasurer; Elizabeth Smith, Administrative Assistant; Rita Nelson, Accounting Assistant; Sean M. Fredricks, Katie J. Schmidt, and Christie R. Rust, Ohnstad Twichell, P.C.; Kurt Lysne, Nathan Trosen, Levi Hanson, and Brady Woodard, Moore Engineering, Inc.; Mike Opat, Houston Engineering, Inc.; Duane Breitling, Cass County Commissioner; and Tom Soucy, Cass County Highway Department.

## Approval of agenda

It was moved by Manager Miller, seconded by Manager Hoffmann, and unanimously carried to approve the order of the agenda, as presented.

## Minutes

It was moved by Manager Hoffmann, seconded by Manager Miller, and unanimously carried to approve the minutes of the November 6, 2025, meeting, as presented.

## Public Comment

There were no speaker cards submitted for public comment at this meeting.

## Emergency Action Plans (EAPs) Update

Mike Opat updated the Board on the status of the Emergency Action Plans for Absaraka, Embden, and Garsteig dams. Mr. Opat indicated Houston Engineering, Inc. worked with the Secretary to submit applications for cost-share to the State Water Commission, Red River Joint Water Resource District, and the Cass County Flood Sales Tax Committee for the Emergency Action Plan updates. Mr. Opat noted the Red River Joint Water Resource District and the Cass County Flood Sales Tax Committee approved the respective cost-share requests and the State Water Commission will consider the application at their January meeting.

## Drain #34 Channel Improvement Project No. 2022-01 – *Surface Drain Permit No. 6188* Extension

The Board originally approved *Surface Drain Permit No. 6188* regarding Cass County Drain No. 34 Improvement Project No. 2022-01 at the District's meeting on April 6, 2023. Section 89-02-01-09.11 of the North Dakota Administrative Code includes a two-

year deadline on all surface drain permits. However, Section 89-02-01-09.12 of the North Dakota Administrative Code allows water resource districts to grant up to two one-year extensions. The Board approved the first of two permissible one-year extensions at the Board's meeting on February 4, 2025, and the Secretary notified DWR of the Board's decision regarding the first one-year extension of the permit.

The Board is working with utility companies regarding utility relocations that will be necessary to accommodate the project. In addition, the Board is working with road authorities regarding crossing modifications that will be necessary to accommodate the project. The Board hopes to be in a position to construct the project during the 2026 construction season. *Surface Drain Permit No. 6188*, as extended, is set to expire in April of 2026. The Board determined a second one-year permit extension will be necessary under Section 89-02-01-09.12 of the North Dakota Administrative Code.

Manager Miller moved to approve a second one-year extension of *Surface Drain Permit No. 6188*, and to authorize the Secretary to provide notice of the extension to the Department of Water Resources. Manager Hoffmann seconded the motion. Upon roll call vote, the motion carried unanimously.

With this second extension, *Surface Drain Permit No. 6188* will expire on April 6, 2027.

**Drain #34 Channel Improvement Project No. 2022-01 – Project update**

Nathan Trosen reported that Moore Engineering, Inc. is coordinating with utility companies affected by the Drain #34 Channel Improvement Project No. 2022-01 to determine the cost of the relocations necessary for the project. Once the utility relocation costs are known an updated financing plan will be prepared and brought to a future meeting for discussion.

**Drain #36 – Cleanout request from David Houkom in Section 32 of Warren Township**

The Secretary stated David Houkom inquired about a channel cleanout of a portion of Drain #36 in Section 32 of Warren Township. Mr. Houkom also plans to cleanout a swale on his property in Section 32 of Warren Township that drains into Drain #36. The Board directed Moore Engineering, Inc. to contact Mr. Houkom regarding his request and conduct a site visit of Drain #36 this spring to determine if a cleanout is needed.

**Drain #37 Channel Improvement Project No. 2022-01**

Brief discussion was held on utility relocations needed for the Drain #37 Channel Improvement Project No. 2022-01. Moore Engineering, Inc. is continuing discussions with the impacted utility companies as well as the remaining landowner where right of way is needed for the project. The Board briefly discussed right of way easements and the overall cost of the Project.

A motion was made by Hoffmann and seconded by Miller to authorize Moore Engineering, Inc. to work with the Secretary to submit an application for cost-share to the State Water Commission for construction of the Drain #37 Channel Improvement Project No. 2022-01 not to exceed $1,200,000 of eligible costs of which $720,000 is being requested from the State Water Commission. Upon roll call vote, the motion carried unanimously.

Discussion continued on right of way needed for the Project. The Board directed Moore Engineering, Inc. to negotiate a permanent easement with the landowner where right of way is needed for the Project.

**Drain #39 Improvement Project No. 2023-01**

Mr. Trosen updated the Board on the financing for the Drain #39 Improvement Project No. 2023-01. Brady Woodard updated the Board on the status of right of way negotiations regarding the Project. An agreement has been reached with the landowners regarding right of way for the Project.

A motion was made by Hoffmann and seconded by Miller to authorize Moore Engineering, Inc. to work with the Secretary to submit an application for cost-share to the State Water Commission for construction of the Drain #39 Improvement Project No. 2023-01 not to exceed $1,500,000 of eligible costs of which $900,000 is being requested from the State Water Commission. Upon roll call vote, the motion carried unanimously.

Mr. Trosen noted Moore Engineering, Inc. will bring an updated timeline for bidding and construction of the Project following the acquisition of right of way for the Project.

**Drain #39 Improvement Project No. 2023-01 – *Surface Drain Permit No. 6239* Extension**

The Board previously approved *Surface Drain Permit No. 6239* regarding Cass County Drain No. 39 Improvement Project No. 2023-01 at the District's meeting on March 7, 2024.

Section 89-02-01-09.11 of the North Dakota Administrative Code includes a two-year deadline on all surface drain permits. However, Section 89-02-01-09.12 of the North Dakota Administrative Code allows water resource districts to grant up to two one-year extensions. *Surface Drain Permit No. 6239* is set to expire in March of 2026. The Board is in the process of completing right of way acquisition for the project, and the Board ultimately hopes to proceed with construction in 2026. With that in mind, the Board determined a permit extension will be necessary.

Manager Miller moved to approve a one-year extension of *Surface Drain Permit No. 6239*, and to authorize the Secretary to provide notice of the extension to the Department of Water Resources. Manager Hoffmann seconded the motion. Upon roll call vote, the motion carried unanimously.

With this first extension, *Surface Drain Permit No. 6239* will expire on March 7, 2027. The Board can approve one more extension, if necessary, in late 2026.

**Swan Creek – Erosion in Section 5 of Durbin Township**

Mr. Woodard reported the Swan Creek improvements in Section 5 of Durbin Township is partially complete and will continue the erosion repair portion of the project in the spring.

**Lynchburg-Buffalo Project No. 2023-01**

Mr. Trosen updated the Board on the status of the Lynchburg-Buffalo Project No. 2023-01. Moore Engineering, Inc. is working on preparing legal descriptions for Purchase Agreements where right of way is needed for the project. The Townships where the project is located will also be contacted to discuss the requests from landowners for additional low water crossings. Moore Engineering, Inc. will bring more information on this to a future meeting.

**Cornell Township Drainage Improvement District No. 80**

Kurt Lysne reported that Moore Engineering, Inc. is working with the technical working group on the benefits analysis for the Cornell Township Drainage Improvement District No. 80 project. The benefits analysis will be brought to the Board for their review this winter when it is complete.

**Davenport Flood Risk Reduction Project**

Moore Engineering, Inc. continues to work with Burlington Northern Santa Fe Railway Company (BNSF) regarding operation and maintenance of the Davenport Flood Risk Reduction Project. The parties are nearing finalization of an agreement.

**Maple River low head dam hazard mitigation**

Mr. Trosen reported Moore Engineering, Inc. is coordinating with Braun Intertec Corporation on a proposed design for the Maple River low head dam hazard mitigation project. Mr. Trosen briefly updated the Board on environmental permitting work being done for the project. Moore Engineering, Inc. will be meeting with the Corps soon to discuss the permitting for the project.

***Joint Water Resource District Agreement***

Sean Fredricks briefly reviewed updates that have been made to the *Joint Water Resource District Agreement* following recent discussions. Mr. Fredricks also noted there are provisions in the Agreement regarding approval of Surface Drain Permits. The Board discussed the language regarding approval of Surface Drain Permits.

A motion was made by Manager Miller and seconded by Manager Hoffmann to approve and authorize the Chairman to sign the *Joint Water Resource District Agreement*. Upon roll call vote, the motion carried unanimously.

**Year-end items**

A motion was made by Manager Hoffmann and seconded by Manager Miller to:

- Authorize the Treasurer to make any minor year-end transfers to balance the Maple River Water Resource District 2025 budget;
- Authorize the Treasurer to make transfers to and from obligated funds, if necessary; and
- Authorize the Treasurer to amend the Maple River Water Resource District 2025 budget.

Upon roll call vote, the motion carried unanimously.

**2026 meeting dates**

The Board discussed its regular meeting dates for the year 2026. It was moved by Manager Miller and seconded by Manager Hoffmann, and unanimously carried to adopt the following Resolution:

RESOLUTION

BE IT RESOLVED, that the Maple River Water Resource District does hereby set January 6, February 5, and March 5 at 9:00 a.m., the first Thursday of April through October at 8:00 a.m., November 5 and December 3 at 9:00 a.m., at the Cass County Highway Department, 1201 Main Avenue West, West Fargo, North Dakota, as its regular meeting dates, times and place for the year 2026.

BE IT FURTHER RESOLVED, that the Secretary be and she hereby is directed to forward a copy of said schedule of meetings to the Cass County Auditor and to post said schedule at the Water Resource District's principal office and the location of the scheduled meetings, all in accordance with the provisions of Section 44-04-20 as amended.

APPROVED:

_____
Gerald Melvin
Chairman

ATTEST:

_____
Melissa Hinkemeyer
Secretary

**Bills**

It was moved by Manager Miller and seconded by Manager Hoffmann to approve the payment of wire transfers and electronic funds transfers, as presented. Upon roll call vote, the motion carried unanimously.

**Review of agreement for legal services**

It was moved by Manager Hoffmann and seconded by Manager Miller to reaffirm the agreement with Ohnstad Twichell, P.C. for legal services and approve the 2026 billing

rates as presented for Maple River Water Resource District. Upon roll call vote, the motion carried unanimously.

**Adjournment**

There being no further business to be considered by the Board, it was moved by Manager Hoffmann and seconded by Manager Miller to adjourn the meeting. The meeting adjourned without objection at 10:02 a.m.

APPROVED:

_____
Gerald Melvin
Chairman

ATTEST:

_____
Melissa Hinkemeyer
Secretary

DRAFT

DWR Date Received : 12/23/25

444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.28 (137-51-28) – Cass-D37-01

| | |
|---|---|
| Lat: 46.65 | Long: -97.12 |

Description: Sediment in channel bottom causing snaking- 500’ long.



444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.21 (137-51-21) – Cass-D37-04

| | |
|---|---|
| Lat: 46.66 | Long: -97.12 |

Description: Erosion on banks downstream of culvert- 25’ long, 4’ wide, 6’ tall.



444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.21 (137-51-21) – Cass-D37-05

| | |
|---|---|
| Lat: 46.66 | Long: -97.12 |

Description: Erosion of bank into channel- 10’ long, 1’ wide, 4’ tall.



444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

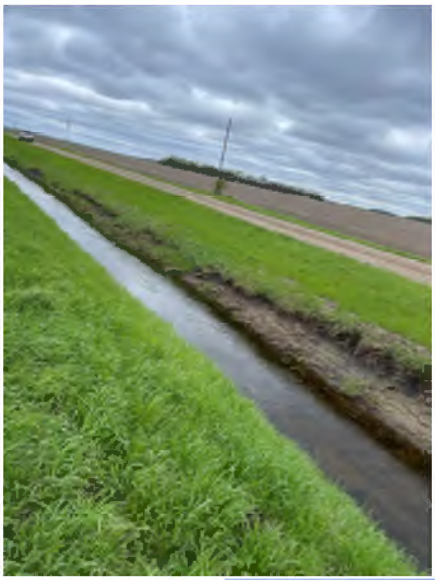
# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.21 (137-51-21) – Cass-D37-07

| | |
|---|---|
| Lat: 46.67 | Long: -97.12 |

Description: Erosion on both banks for 350’.







444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.21 (137-51-21) – Cass-D37-08

| | |
|---|---|
| Lat: 46.67 | Long: -97.12 |

Description: Patches of erosion for 500'- 10' long, 1' wide, 4' tall.







444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.21 (137-51-21) – Cass-D37-09

| | |
|---|---|
| Lat: 46.67 | Long: -97.12 |

Description: Erosion of bank into channel- 15’ long, 1’ wide, 3’ tall.



444 Sheyenne Street
Suite 301
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

moore engineering, inc.

# Cass County, ND – Drain No.37 - Drain Inspection Report

## Maple River Water Resource District

Location: Cass County, Davenport Twp, Sect.16 (137-51-16) – Cass-D37-13

| | |
|---|---|
| Lat: 46.67 | Long: -97.12 |

Description: Erosion on east bank- 350’ long, 4’ wide, 4’ tall.






**DRAIN 37**
**MAPLE RIVER WRD DRAIN INSPECTION - 2022**
**CASS COUNTY, NORTH DAKOTA**

Created By: KMV/CC Date Saved: 07/07/2022 Date Printed: 06/21/2022
Parcel Date: N/A Aerial Image: 2021 County NAIP SIDS Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
T:\BaseData\ND\County\Cass\20003_2022_Maple_Rive_Drain_Insp_DDP.mxd

0 0.1 0.2 0.4 Miles

Sheet 4 of 4

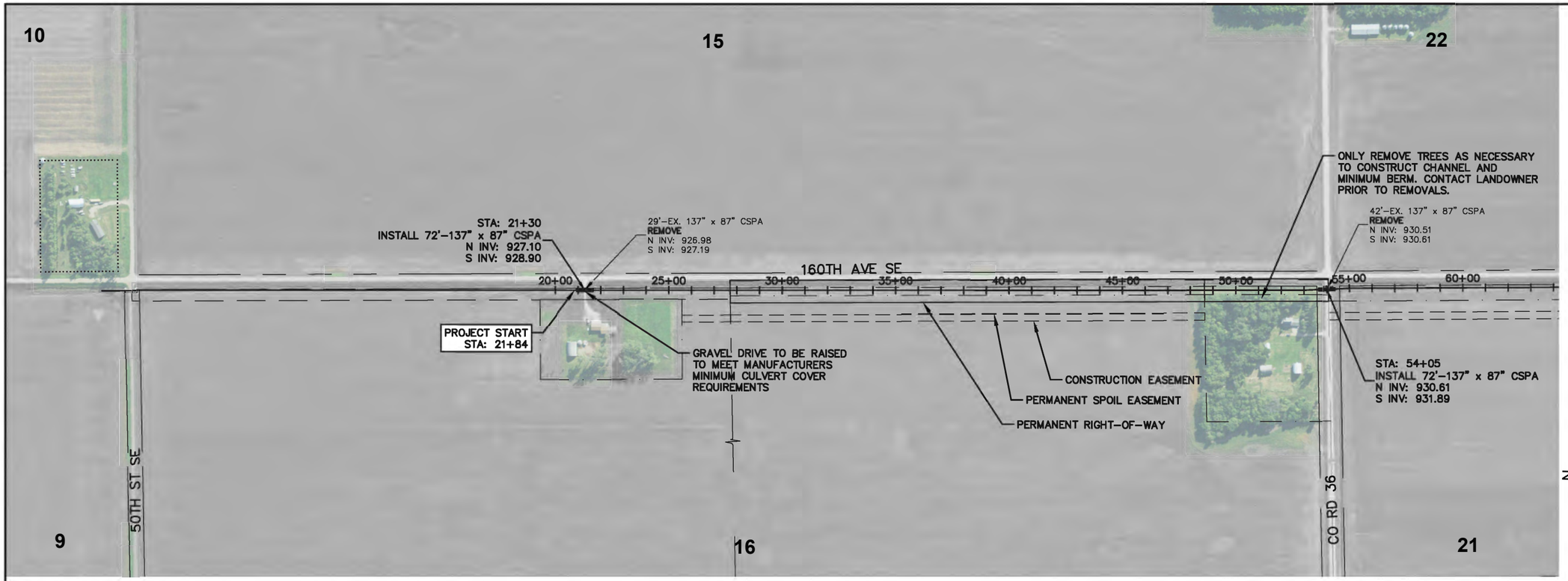
**Legend**

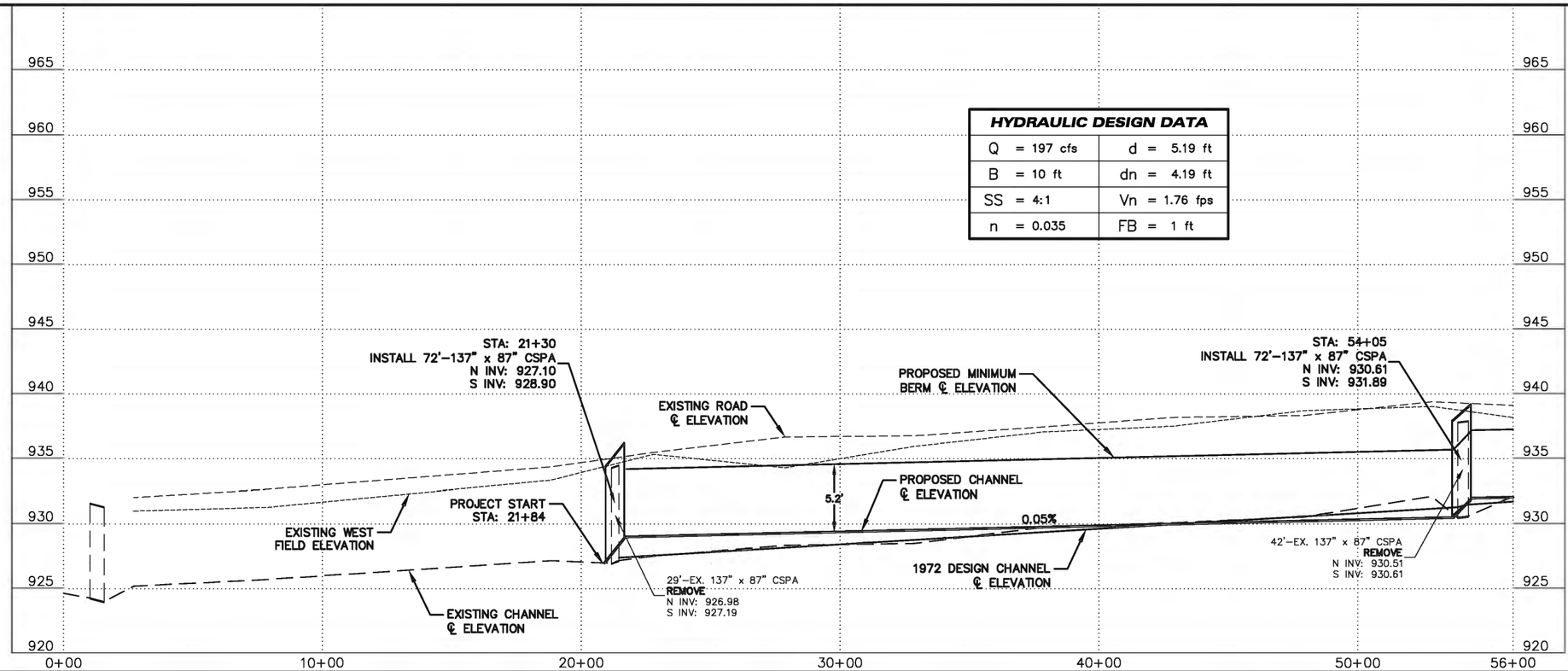
**Drain Inspection** Blocked Errosion Sediment Damage

moore engineering, inc.

Docusign Envelope ID: A8950275-7568-49B1-9575-9D5782A0625A

FILE LOCATION: R:\Projects\22000\22200\22211\CIVIL\PRODUCTION\22211-PP.dwg




| HYDRAULIC DESIGN DATA | |
|---|---|
| Q = 197 cfs | d = 5.19 ft |
| B = 10 ft | dn = 4.19 ft |
| SS = 4:1 | Vn = 1.76 fps |
| n = 0.035 | FB = 1 ft |

REGISTERED PROFESSIONAL ENGINEER
ANDREW K. SMITH
PE-40717
DATE: 12/18/25
NORTH DAKOTA

moore engineering, inc.

PLAN & PROFILE
CASS COUNTY DRAIN NO. 37 CHANNEL IMPROVEMENTS
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

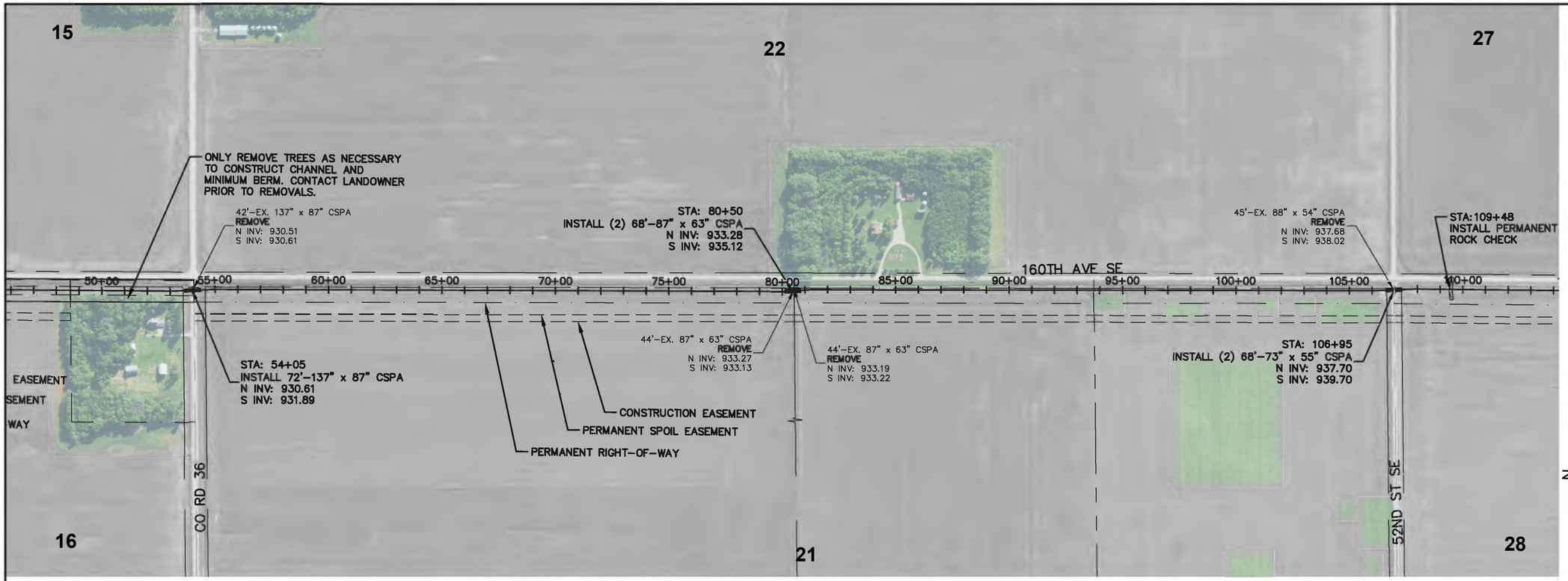
| | |
|---|---|
| DATE: | 12.18.2025 |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| RECORD: | ---- |
| PROJECT No. | 22211 |
| MANAGER: | NHT |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | KLO |

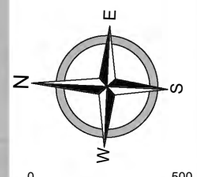
**C-401**

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION

Docusign Envelope ID: A8950275-7568-49B1-9575-9D5782A0625A

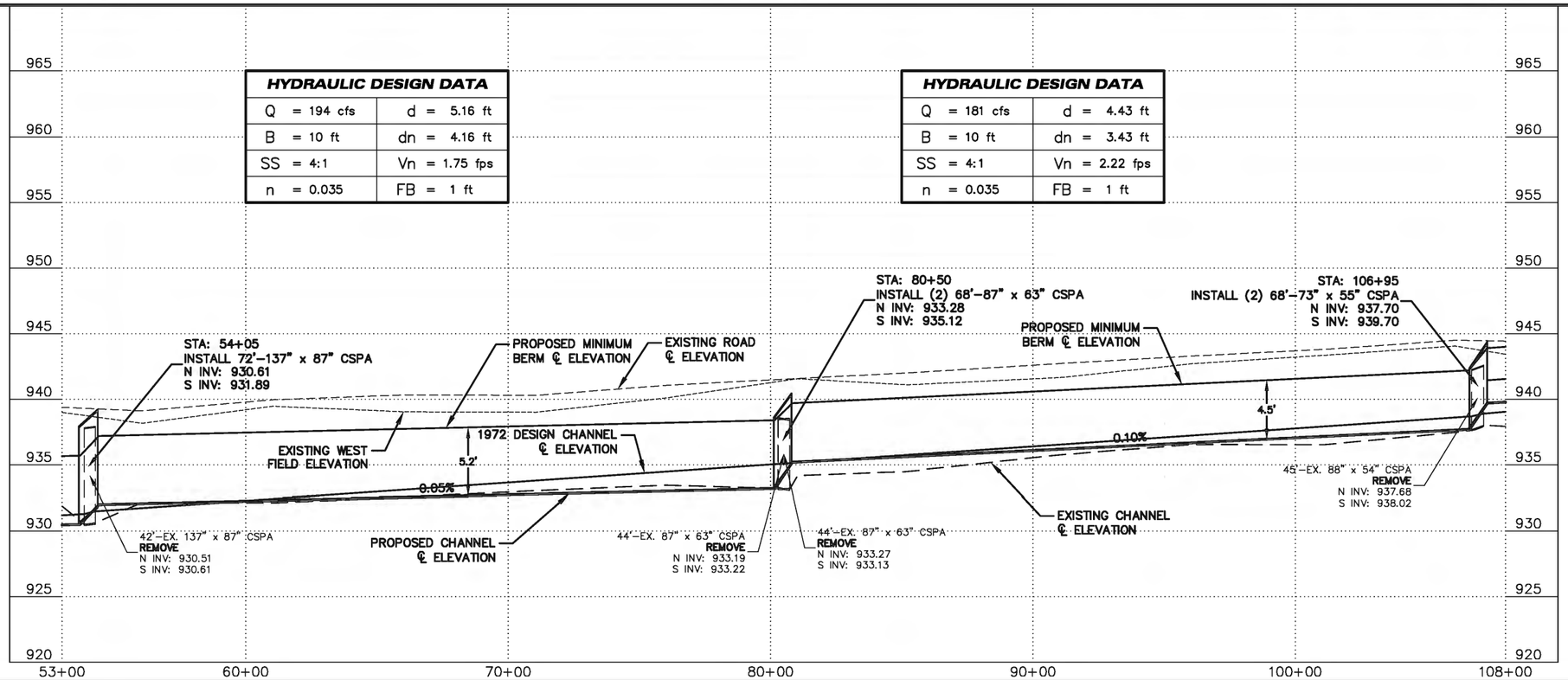
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| HYDRAULIC DESIGN DATA | |
|---|---|
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| B = 10 ft | dn = 4.16 ft |
| SS = 4:1 | Vn = 1.75 fps |
| n = 0.035 | FB = 1 ft |

| HYDRAULIC DESIGN DATA | |
|---|---|
| Q = 181 cfs | d = 4.43 ft |
| B = 10 ft | dn = 3.43 ft |
| SS = 4:1 | Vn = 2.22 fps |
| n = 0.035 | FB = 1 ft |




ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
ANDREW K. SMITH
PE-40717
DATE: 12/18/25
NORTH DAKOTA

moore engineering, inc.

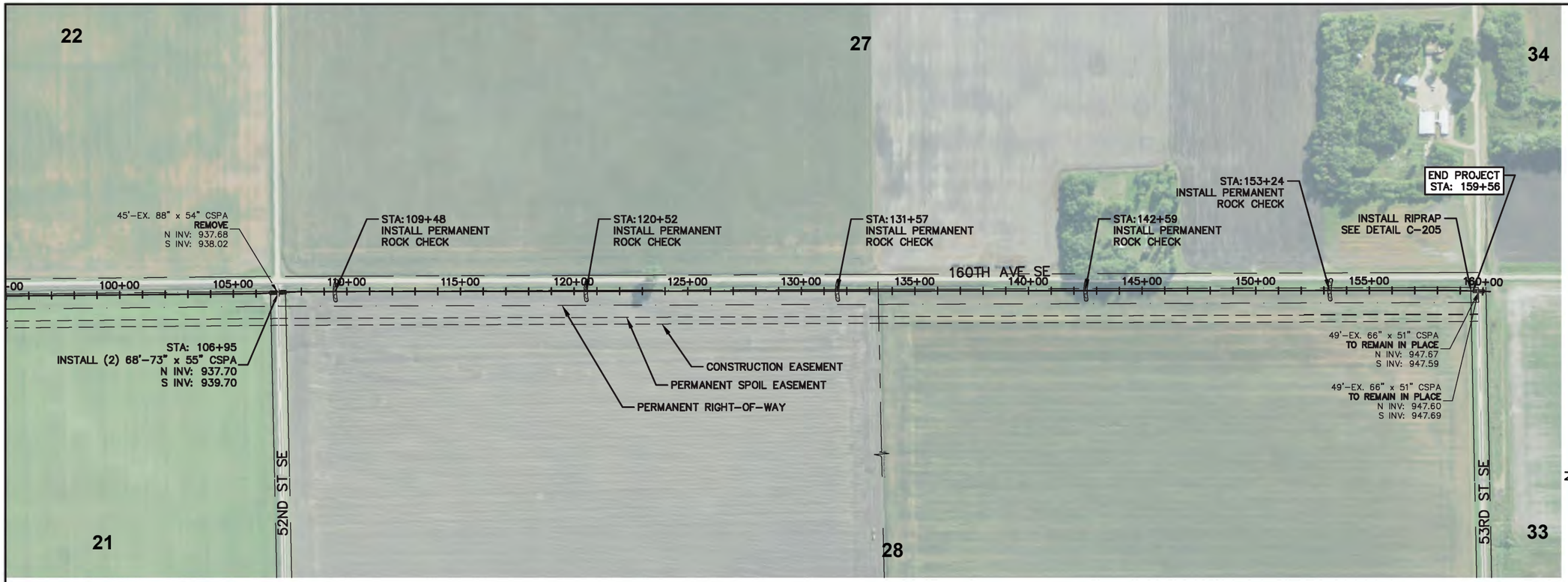
PLAN & PROFILE
CASS COUNTY DRAIN NO. 37 CHANNEL IMPROVEMENTS
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

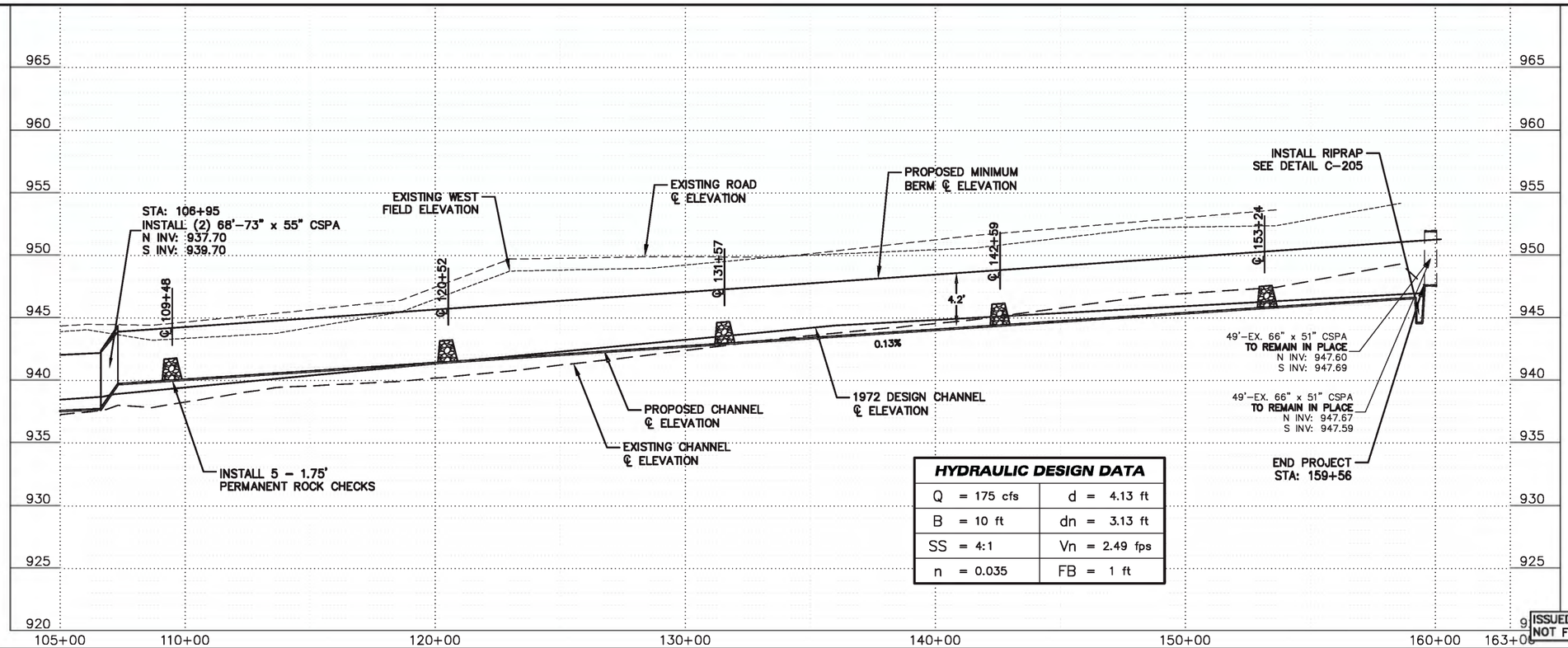
| | |
|---|---|
| DATE: | 12.18.2025 |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| RECORD: | ---- |
| PROJECT No. | 22211 |
| MANAGER: | NHT |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | KLO |

**C-402**

Docusign Envelope ID: A8950275-7568-49B1-9575-9D5782A0625A

FILE LOCATION: R:\Projects\22000\22200\22211\CIVIL\PRODUCTION\22211-PP.dwg




| HYDRAULIC DESIGN DATA | |
|---|---|
| Q = 175 cfs | d = 4.13 ft |
| B = 10 ft | dn = 3.13 ft |
| SS = 4:1 | Vn = 2.49 fps |
| n = 0.035 | FB = 1 ft |

REGISTERED PROFESSIONAL ENGINEER
ANDREW K. SMITH
PE-40717
DATE: 12/18/25
NORTH DAKOTA

moore engineering, inc.

PLAN & PROFILE
CASS COUNTY DRAIN NO. 37 CHANNEL IMPROVEMENTS
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

| | |
|---|---|
| DATE: | 12.18.2025 |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| RECORD: | ---- |
| PROJECT No. | 22211 |
| MANAGER: | NHT |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | KLO |

**C-403**

ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION

I 4

Water Delopment Plan: 2025
Priority: Low

# 1086295 - Cass County Drain No. 39 Improvements

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 23, 2025 3:07 PM

**Initially Submitted By:** Melissa Hinkemeyer

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh First Name
Middle Name Wayt Last Name

**Title:** Funding Specialist

**Email*:**
josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E
Suite 1

### Organization Information

**Status*:** Approved

**Name*:**
Maple River Water Resource District

**Organization Type*:** Political Subdivision

**Tax Id:** 45-0357490

**Organization Website:**

**Address*:** 1201 Main Avenue W

| | | | | | |
|---|---|---|---|---|---|
| | West Fargo | North Dakota | | West Fargo | North Dakota |
| | City | State/Province | | City | State/Province |
| 58078 | | | 58078-____ | | |
| Postal Code/Zip | | | Postal Code/Zip | | |
| **Phone*:** | (701) 200-5455 | Ext. | **Phone*:** | (701) 298-2381 | Ext. |
| | Phone | | | ###-###-#### | |
| | ###-###-#### | | **Fax:** | ###-###-#### | |
| **Fax:** | ###-###-#### | | **Vendor ID:** | | |
| **Comments:** | | | **PeopleSoft Supplier ID:** | | |
| | | | **Comments:** | | |
| | | | **Location Code:** | | |

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | Cass County Drain No. 39 Improvements |
| **Sponsor(s)*:** | Maple River Water Resource District |
| **County*:** | Cass |
| **City*:** | Fargo |
| **Description of Request*:** | New |
| **Project Type:** | Rural Flood Control |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | |

**Jurisdictions/Stakeholders Involved*:**

The Maple River Water Resource District and local landowners.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The most downstream portion of Cass County Drain No. 39 contains steep side slopes that cause erosion, sedimentation, and associated drainage issues. The legal drain's existing conditions create higher water surface elevations and a greater potential for flooding of the adjacent agricultural lands. Additionally, the steep side slopes represent a safety hazard in the event a vehicle leaves the roadway.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This project will improve 2 miles of the most downstream portion of the existing legal drain. The improved channel will consist of a 12' bottom width. The side slopes will be 4:1 or flatter, and the channel gradient will vary between 0.03% and 0.06%. The channel has been designed for a 10-year rainfall event based on the USGS regression equations. Overall, this portion of the channel will be brought back to its original design profile and tied into existing culvert elevations.

**Describe the Objectives or Goals Specific to This Application*:**

The District is seeking 60% cost share from DWR for construction of the project described above.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The District will flatten and stabilize the side slopes and restore the channel bottom as described above. Requested funds are for construction and construction engineering services.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 500 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 500 |
| **Have Assessment Districts Been Formed?*:** | Yes |
| **Date Formed:** | 04/05/2012 |
| **Have Land or Easements Been Acquired?*:** | Ongoing |

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** No

**Have You Applied For Any Federal Permits?*:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a USACE Section 404 Permit (NOW-2001-600369-BIS) in February 2024.

**Have You Been approved for any Federal Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a USACE Section 404 Permit (NOW-2001-600369-BIS) in February 2024.

**Have You Applied for any State Permits?*:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a DWR Surface Drain Permit (Permit No. 6239) in February 2024.

**Have You Been Approved for any State Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a DWR Surface Drain Permit (Permit No. 6239) in February 2024.

**Have You Applied for any Local Permits?*:** N/A

| | |
|---|---|
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | N/A |
| **Design Completion*:** | 01/15/2026 |
| **Bid*:** | 02/05/2026 |
| **Construction Start*:** | 05/01/2026 |
| **Construction Completion*:** | 11/01/2026 |

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

| | |
|---|---|
| **Consulting Engineer*:** | Nathan Trosen |
| **Engineer Direct Phone Number*:** | 701-361-6615 |
| **Engineer Email*:** | nathan.trosen@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Melissa (First Name) Hinkemeyer (Last Name) 12/23/2025 (Date) |
| **Title/Position/Authority*:** | Director, Secretary |
| **Address*:** | 1201 Main Ave W<br>Address Line 1<br>Address Line 2<br>West Fargo (City) North Dakota (State) 58078-0000 (Zip Code) |
| **Direct Phone Number*:** | 701-298-2384 |
| **Sponsor Email*:** | hinkemeyerm@casscountynd.gov |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Gerald (First Name) Melvin (Last Name) |

| | |
|---|---|
| **Authorized Signor Title/Position:** | Chairman |
| **Authorized Signor Email:** | gemelvin10@gmail.com |
| **Authorized Signor Direct Phone Number:** | 701-793-1695 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Chad Miller<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice-Chairman |
| **Additional Board Member Email:** | millerad55@hotmail.com |
| **Additional Board Member Direct Phone Number:** | 701-371-8075 |

# Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 23239_Drain 39_Construction_ProjectMap.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 23239_Drain39_Construction_MeetingMinutes_20251204.pdf |
| **Cover Letter:** | 23239_Drain39_Construction_CoverLetter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 23239_Drain39_Construction_Delineation.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 23239_Drain39_Construction_Plans_20251212.pdf |
| **Is This a Water Supply Project?:** | No |
| **Is This a Rural Flood Control Project?:** | Yes |
| **Approved Drainage Permit:** | 23239_Drain 39_Construction_SurfaceDrainPermit.pdf |
| **Results Of Positive Assessment Vote:** | 23239_Drain39_Construction_AssessmentList.pdf |
| **Is This a Drain Reconstruction Project?:** | Yes |
| **Sediment Analysis:** | 23239_Drain39_Construction_SedimentAnalysis.pdf |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |

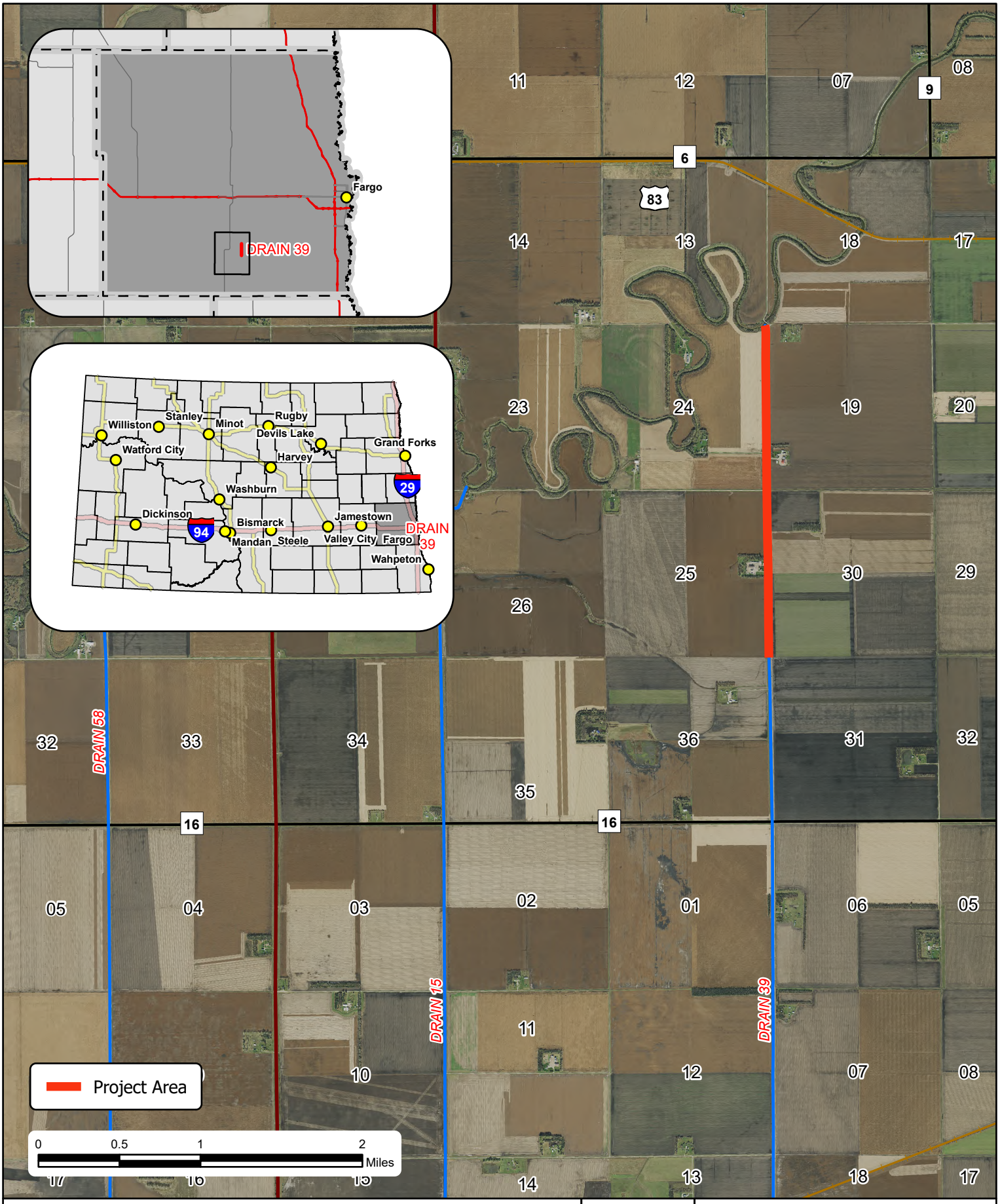
| | |
|---|---|
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | 23239_Specifications_Signed_20251223.pdf |
| **Other Applicable Document:** | 23239_Drain39_Construction_InspectionReport.pdf |
| **Other Applicable Document:** | 23239_Drain 39_Construction_Section404Permit.pdf |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share | | Already Approved | $40,950.00 | $0.00 | $0.00 | $40,950.00 | | 0.00 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Pre-Construction | | | | | | | | |
| Department of Water Resources Cost Share Construction | | Current Request | $786,575.64 | $0.00 | $0.00 | $786,575.64 | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $804,267.29 | $0.00 | $0.00 | $804,267.29 | 0.00 | 0.00 |
| | | | **$1,631,792.93** | **$0.00** | **$0.00** | **$1,631,792.93** | | |




# 20003-839 - CASS COUNTY DRAIN 39 IMPROVEMENTS
# ND SWC COST SHARE REQUEST
# CASS COUNTY, NORTH DAKOTA

Created By: ZAC Date Created: 04/12/2023 Date Saved: 04/24/23 Date Plotted: N/A Date Exported: 04/24/23
Plotted By: Parcel Date: XX/XX/20 Aerial Image: 2022 County NAIP SIDS Elevation Data: Lidar
Horizontal Datum: N/A Vertical Datum: NAVD1988
T:\Projects\20000\20003\839\20003_839_SWCApp_2023\20003_839_SWC_App\20003_839_SWC_App.aprx

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/23/25 |
| **Project :** | Cass County Drain No. 39 Improvements |
| **Sponsor :** | Maple River Water Resource District |
| **Contact :** | Melissa Hinkemeyer, Director/Secretary |
| **Phone :** | 701-298-2384 |
| **Engineer :** | Moore Engineering, Nathan Trosen |
| **Phone :** | 701-361-6615 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 1,640,405.93 | **Total Cost-Share* :** | $ 813,575.64 |
| **Ineligible Cost :** | $ 269,446.53 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 1,370,959.40 | **Preconstruction :** | $ 27,000.00 |
| **Local Cost :** | $ 826,830.29 | **Construction :** | $ 786,575.64 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Rural Flood Control - Assessment Drain(s) | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 3.7% | Preliminary Design | 1 | LS | 60,000.00 | $ 60,000.00 | **45%** | $ 27,000.00 |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 3.7% | **Preconstruction Total** | | | | $ 60,000.00 | 60% | $ 27,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 6.2% | Construction Contract Mmgt. | 1 | LS | 101,000.00 | $ 101,000.00 | 60% | $ 60,600.00 |
| 12 | 6.1% | Utilities - Construction | 1 | LS | 100,000.00 | $ 100,000.00 | 60% | $ 60,000.00 |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 12.3% | **Construction Engineering Total** | | | | $ 201,000 | 60% | $ 120,600.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.4% | Mobilization | 1 | LS | 40,000.00 | $ 40,000.00 | 60% | $ 24,000.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 0.6% | Material Testing | 1 | ALL | 10,000.00 | $ 10,000.00 | 60% | $ 6,000.00 |
| 19 | 1.2% | Culvert Removals | 818 | LF | 25.00 | $ 20,450.00 | 60% | $ 12,270.00 |
| 20 | 1.2% | Clearing & Grubbing | 1 | LS | 20,000.00 | $ 20,000.00 | 60% | $ 12,000.00 |
| 21 | 6.6% | Stripping Soil | 1.8 | MI | 60,000.00 | $ 108,000.00 | 60% | $ 64,800.00 |
| 22 | 11.9% | Common Excavation | 48731 | CY | 4.00 | $ 194,924.00 | 60% | $ 116,954.40 |
| 23 | 1.5% | Stormwater Management | 1 | LS | 25,000.00 | $ 25,000.00 | 60% | $ 15,000.00 |
| 24 | 0.1% | Sedimentation Control Wattle - 9" | 300 | LF | 4.00 | $ 1,200.00 | 60% | $ 720.00 |
| 25 | 0.3% | Stabilized Construction Entrance | 2 | EA | 2,750.00 | $ 5,500.00 | 60% | $ 3,300.00 |
| 26 | 7.1% | Rip-Rap | 890 | CY | 130.00 | $ 115,700.00 | 60% | $ 69,420.00 |
| 27 | 0.6% | Rip-Rap Drop Structure | 1530 | SY | 6.00 | $ 9,180.00 | 60% | $ 5,508.00 |
| 28 | 0.1% | Gravel | 50 | CY | 40.00 | $ 2,000.00 | 60% | $ 1,200.00 |
| 29 | 0.1% | Geotextile Fabric | 250 | SY | 6.00 | $ 1,500.00 | 60% | $ 900.00 |
| 30 | 4.1% | Seeding | 45 | AC | 1,500.00 | $ 67,500.00 | 60% | $ 40,500.00 |
| 31 | 22.5% | CSP - All sizes | 1246 | LF | 295.59 | $ 368,300.00 | 60% | $ 220,980.00 |
| 32 | 0.8% | Flap Gate | 12 | EA | 1,033.33 | $ 12,400.00 | 60% | $ 7,440.00 |
| 33 | 0.5% | Flared End Section - All sizes | 12 | EA | 616.67 | $ 7,400.00 | 60% | $ 4,440.00 |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 1,009,054.00 | 60% | $ 605,432.40 |
| | 6.2% | **Allowable Contingency (10%)** | | | | $ 100,905.40 | 60% | $ 60,543.24 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 67.7% | **Construction Total** | | | | $ 1,109,959.40 | 60% | $ 665,975.64 |
| | | Eligible Preconstruction | | | | $ 60,000.00 | **45%** | $ 27,000.00 |
| | | Eligible Construction | | | | $ 1,310,959.40 | 60% | $ 786,575.64 |
| | | **Eligible Total** | | | | $ 1,370,959.40 | 60% | $ 813,575.64 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 5.8% | Funding, Administrative, & Legal | 1 | LS | 95,000.00 | $ 95,000 | 0% | $ - |
| 38 | 0.7% | Permitting and Environmental | 1 | LS | 11,332.90 | $ 11,333 | 0% | $ - |
| 39 | 1.9% | Other Preconstr. Eng. (Not Water Related) | 1 | LS | 31,000.00 | $ 31,000 | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 8.4% | **Preconstruction Ineligible Total** | | | | $ 137,333 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 7.5% | Right-of-Way Admin. (for Drains) | 1 | LS | 123,500.63 | $ 123,500.63 | 0% | $ - |
| 42 | 0.5% | Dredging/Sediment Removal (for Drain Recon.) | 1 | LS | 8,613.00 | $ 8,613.00 | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 8.1% | **Construction Ineligible Total** | | | | $ 132,113.63 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 269,446.53 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 1,640,405.93 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 1,370,959.40 | **59%** | $ 813,575.64 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

DWR Date Received : 12/23/25

CASS COUNTY GOVERNMENT

Maple River Water Resource District

Gerald Melvin
Chairman
Buffalo, North Dakota

Chad Miller
Manager
Buffalo, North Dakota

Dallas Hoffmann
Manager
Wheatland, North Dakota

Melissa Hinkemeyer
Director, Secretary

Amy Hepper
Treasurer

1201 Main Avenue West
West Fargo, ND 58078-1301

701-298-2381
FAX 701-298-2397
wrd@casscountynd.gov
www.casscountynd.gov

December 12, 2025

Beth Nangare
Cost Share Program Administrator
Department of Water Resources
1200 Memorial Highway
Bismarck ND 58504

Dear Beth:

RE: Cass County Drain No. 39 Improvement Project Construction Cost Share Request

The Maple River Water Resource District (the "District") has initiated a project to improve the downstream 2 miles of Cass County Drain No. 39. This portion of the legal drain has steep side slopes that have caused erosion, sedimentation, and associated drainage issues. The drain's existing conditions create higher water surface elevations and a greater potential for flooding of adjacent agricultural fields.

The project will improve the downstream 2 miles of the drain by flattening and stabilizing the side slopes and restoring the channel bottom to its original design profile. The channel has been designed for a 10-year rainfall event based on the USGS regression equation. Specifically, the side slopes will be 4:1 or flatter and will tie into existing culvert elevations.

Pursuant to current Department of Water Resources (DWR) cost-share policy, the District respectfully requests 60% DWR cost-share for the project. If awarded, funds will be used for construction and construction engineering services.

We appreciate your willingness to support the District's efforts to provide reliable, resilient, and cost-effective public drainage. If you have any questions, please feel free to contact me or the Project Manager, Nathan Trosen, at (701) 361-6651 or nathan.trosen@mooreengineeringinc.com.

Thank you.

Sincerely,

MAPLE RIVER WATER RESOURCE DISTRICT

Melissa Hinkemeyer
Director, Secretary

DWR Date Received : 12/23/25

# DRAFT

**These are DRAFT minutes, subject to amendment before final approval by the Maple River Water Resource District.**

MINUTES OF MAPLE RIVER WATER RESOURCE DISTRICT MEETING
ORIGINATING AT THE CASS COUNTY HIGHWAY DEPARTMENT
HERITAGE CONFERENCE ROOM
WEST FARGO, NORTH DAKOTA
DECEMBER 4, 2025
9:00 A.M.

A meeting of the Maple River Water Resource District (MRWRD) was held on December 4, 2025. The meeting was called to order at 9:03 a.m.

Present were Gerald Melvin, Chairman; Chad Miller, Manager; Dallas Hoffmann, Manager; Melissa Hinkemeyer, Director, Secretary; Amy Hepper, Treasurer; Elizabeth Smith, Administrative Assistant; Rita Nelson, Accounting Assistant; Sean M. Fredricks, Katie J. Schmidt, and Christie R. Rust, Ohnstad Twichell, P.C.; Kurt Lysne, Nathan Trosen, Levi Hanson, and Brady Woodard, Moore Engineering, Inc.; Mike Opat, Houston Engineering, Inc.; Duane Breitling, Cass County Commissioner; and Tom Soucy, Cass County Highway Department.

**Approval of agenda**
It was moved by Manager Miller, seconded by Manager Hoffmann, and unanimously carried to approve the order of the agenda, as presented.

**Minutes**
It was moved by Manager Hoffmann, seconded by Manager Miller, and unanimously carried to approve the minutes of the November 6, 2025, meeting, as presented.

**Public Comment**
There were no speaker cards submitted for public comment at this meeting.

**Emergency Action Plans (EAPs) Update**
Mike Opat updated the Board on the status of the Emergency Action Plans for Absaraka, Embden, and Garsteig dams. Mr. Opat indicated Houston Engineering, Inc. worked with the Secretary to submit applications for cost-share to the State Water Commission, Red River Joint Water Resource District, and the Cass County Flood Sales Tax Committee for the Emergency Action Plan updates. Mr. Opat noted the Red River Joint Water Resource District and the Cass County Flood Sales Tax Committee approved the respective cost-share requests and the State Water Commission will consider the application at their January meeting.

**Drain #34 Channel Improvement Project No. 2022-01 – *Surface Drain Permit No. 6188* Extension**
The Board originally approved *Surface Drain Permit No. 6188* regarding Cass County Drain No. 34 Improvement Project No. 2022-01 at the District's meeting on April 6, 2023. Section 89-02-01-09.11 of the North Dakota Administrative Code includes a two-

Discussion continued on right of way needed for the Project. The Board directed Moore Engineering, Inc. to negotiate a permanent easement with the landowner where right of way is needed for the Project.

**Drain #39 Improvement Project No. 2023-01**

Mr. Trosen updated the Board on the financing for the Drain #39 Improvement Project No. 2023-01. Brady Woodard updated the Board on the status of right of way negotiations regarding the Project. An agreement has been reached with the landowners regarding right of way for the Project.

A motion was made by Hoffmann and seconded by Miller to authorize Moore Engineering, Inc. to work with the Secretary to submit an application for cost-share to the State Water Commission for construction of the Drain #39 Improvement Project No. 2023-01 not to exceed $1,500,000 of eligible costs of which $900,000 is being requested from the State Water Commission. Upon roll call vote, the motion carried unanimously.

Mr. Trosen noted Moore Engineering, Inc. will bring an updated timeline for bidding and construction of the Project following the acquisition of right of way for the Project.

**Drain #39 Improvement Project No. 2023-01 – *Surface Drain Permit No. 6239* Extension**

The Board previously approved *Surface Drain Permit No. 6239* regarding Cass County Drain No. 39 Improvement Project No. 2023-01 at the District's meeting on March 7, 2024.

Section 89-02-01-09.11 of the North Dakota Administrative Code includes a two-year deadline on all surface drain permits. However, Section 89-02-01-09.12 of the North Dakota Administrative Code allows water resource districts to grant up to two one-year extensions. *Surface Drain Permit No. 6239* is set to expire in March of 2026. The Board is in the process of completing right of way acquisition for the project, and the Board ultimately hopes to proceed with construction in 2026. With that in mind, the Board determined a permit extension will be necessary.

Manager Miller moved to approve a one-year extension of *Surface Drain Permit No. 6239*, and to authorize the Secretary to provide notice of the extension to the Department of Water Resources. Manager Hoffmann seconded the motion. Upon roll call vote, the motion carried unanimously.

With this first extension, *Surface Drain Permit No. 6239* will expire on March 7, 2027. The Board can approve one more extension, if necessary, in late 2026.

**Swan Creek – Erosion in Section 5 of Durbin Township**

Mr. Woodard reported the Swan Creek improvements in Section 5 of Durbin Township is partially complete and will continue the erosion repair portion of the project in the spring.

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DWR Date Received : 12/23/25

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# CASS COUNTY DRAIN NO. 39

## MAPLE RIVER WATER RESOURCE DISTRICT

## CASS COUNTY, NORTH DAKOTA

moore engineering, inc.
Consulting Engineering • Land Surveying
925 10th Avenue East, Suite 1 • West Fargo, North Dakota
www.mooreengineeringinc.com

VICINITY MAP




**ISSUED FOR PERMITTING NOT FOR CONSTRUCTION**

N
W E
S

*PROJECT No. 23239*

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

Docusign Envelope ID: B5D1925B-ACC3-431A-9065-6BE6F465AE0B

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| | | C-002 | GENERAL NOTES |
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| | | C-811 | CROSS SECTIONS |


REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

GENERAL
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
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| DATE: | 12.12.2025 |
| REV DATE: | ---- |
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| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

**G-002**

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# CIVIL LEGEND

- BENCHMARK
- IRON MONUMENT FOUND
- EXISTING GAS LINE MARKER
- EXISTING GAS GATE VALVE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING LIGHT POLE W/SIGN
- EXISTING GUY WIRE
- EXISTING TRAFFIC SIGNAL ARM
- EXISTING SIGN
- EXISTING CULVERT W/FLARED END SECTION (F.E.S.)
- EXISTING FLARED END SECTION (F.E.S.)
- EXISTING CURB STOP
- EXISTING HYDRANT W/GATE VALVE
- EXISTING GATE VALVE
- EXISTING FITTINGS
- EXISTING PLUG
- EXISTING PROPANE TANK
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING STORM SEWER CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- W — EXISTING WATER MAIN
- EXISTING WATER SERVICE W/CURB STOP
- SS — EXISTING SANITARY SEWER
- SS–FM — EXISTING SANITARY FORCEMAIN
- EXISTING SANITARY SEWER SERVICE
- ST — EXISTING STORM SEWER
- ST–FM — EXISTING STORM SEWER FORCEMAIN
- STEAM — EXISTING STEAM PIPE
- EXISTING AIR CONDITIONER
- U — EXISTING UTILITY PEDESTAL
- EXISTING UTILITY MANHOLE
- EXISTING UTILITY VAULT
- C — EXISTING UNDERGROUND COMMUNICATIONS
- F — EXISTING UNDERGROUND FIBER
- T — EXISTING UNDERGROUND TELEPHONE
- OHT — EXISTING OVERHEAD TELEPHONE
- TV — EXISTING UNDERGROUND TELEVISION
- OHTV — EXISTING OVERHEAD TELEVISION
- G — EXISTING UNDERGROUND GAS
- E — EXISTING UNDERGROUND ELECTRIC
- OHP — EXISTING OVERHEAD POWER
- X — EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINK/STEEL FENCE
- EXISTING PVC/WOOD FENCE
- EXISTING SHRUB
- EXISTING STUMP
- EXISTING BOULDER
- EXISTING TREE/TREE CLUSTER
- EXISTING SPRINKLER HEAD
- 12 — EXISTING CLUSTER BOX UNIT (CBU)
- EXISTING MAILBOX
- EXISTING CURB AND GUTTER
- CURB AND GUTTER REMOVAL & REPLACEMENT
- REMOVE EXISTING SURFACE
- EXISTING ASPHALT SURFACE
- EXISTING CONCRETE SURFACE
- EXISTING DECORATIVE COLORED CONCRETE
- EXISTING GRANULAR SURFACE
- EXISTING SIDEWALK/MULTI–USE PATH (UNKNOWN SURFACE)
- EXISTING LANDSCAPING
- EXISTING RIPRAP
- EXISTING WETLANDS
- EXISTING PERMANENT POOL

- NEW LIGHT POLE
- NEW LIGHT POLE W/SIGN
- NEW GUY WIRE
- NEW SIGN
- TRAFFIC CONTROL – DRUM
- TRAFFIC CONTROL – TUBULAR MARKER
- NEW CULVERT W/FLARED END SECTION (F.E.S.)
- NEW FLARED END SECTION (F.E.S.)
- NEW CURB STOP
- NEW HYDRANT W/GATE VALVE
- NEW GATE VALVE
- NEW TAPPING SLEEVE
- NEW FITTINGS
- NEW PLUG
- NEW SANITARY SEWER MANHOLE
- NEW SANITARY SEWER CLEANOUT
- NEW STORM SEWER CATCH BASIN
- NEW STORM SEWER MANHOLE
- W — NEW WATER MAIN
- NEW WATER SERVICE W/CURB STOP (S.B. ELEV.)
- SS — NEW SANITARY SEWER
- SS–FM — NEW SANITARY FORCEMAIN
- NEW SANITARY SEWER SERVICE (S.S. ELEV.)
- ST — NEW STORM SEWER
- ST–FM — NEW STORM SEWER FORCEMAIN
- STEAM — NEW STEAM PIPE
- IN — INSULATION PER DETAIL
- X — NEW BARBED WIRE FENCE
- NEW CHAIN LINK/STEEL FENCE
- NEW PVC/WOOD FENCE
- NEW INFLOW CURB AND GUTTER
- NEW OUTFLOW CURB AND GUTTER
- NEW ASPHALT SURFACE
- NEW CONCRETE SURFACE
- NEW CONCRETE APPROACH/DRIVEWAY
- NEW DECORATIVE COLORED CONCRETE
- NEW GRANULAR SURFACE
- NEW CRUSHED CONCRETE SURFACE
- NEW CONCRETE SIDEWALK/MULTI–USE PATH
- NEW DETECTABLE WARNING PANEL
- NEW RIPRAP
- NEW PERMANENT POOL
- NEW LANDSCAPING
- MILLING – 2" UNIFORM
- MILLING – 2" TAPERED
- ASPHALT PATCH
- LEVELING COURSE
- OVERLAY
- CHIPSEAL AND FOG COAT
- NEW CONCRETE VALLEY GUTTER
- NEW MEDIAN NOSE APRON
- NEW ADA RAMP W/WARNING PANEL
- 12 — NEW CLUSTER BOX UNIT (CBU)
- NEW MAILBOX
- NEW LARGE DECIDUOUS TREE
- NEW SMALL DECIDUOUS TREE
- NEW SHRUB
- NEW LARGE EVERGREEN TREE
- NEW SMALL EVERGREEN TREE

- DRAINAGE BREAK LINE
- EXISTING DRAINAGE DIRECTION
- 2.0% — FINISHED DRAINAGE DIRECTION & SLOPE
- 4:1 — FINISHED GRADE
- 895 — EXISTING CONTOUR ELEVATION
- 895 — FINISHED CONTOUR ELEVATION
- 900.07 / FL — GRADE ELEVATIONS
- GRASS BUFFER
- PERMANENT STABILIZATION AREA
- SEDIMENTATION CONTROL WATTLE
- SEDIMENTATION CONTROL FENCE
- ROCK CHECK
- S.C.E. — STABILIZED CONSTRUCTION ENTRANCE
- CONCRETE WASHOUT
- INLET PROTECTION DEVICE

ABBREVIATIONS:
BOC = BACK OF CURB
BOW = BACK OF WALK
C = COMMUNICATION
CB# = STORM SEWER CATCH BASIN
CL = CENTERLINE
CSP = CORRUGATED STEEL PIPE
CO# = SANITARY SEWER CLEANOUT
CS# = CONTROL STRUCTURE
DIA = DIAMETER
DIP = DUCTILE IRON PIPE
E = ELECTRICAL
ECC = EDGE OF CRUSHED CONCRETE
EG = EXISTING GRADE
EOC = EDGE OF CONCRETE
EOG = EDGE OF GRAVEL
EOP = EDGE OF PAVEMENT
EOW = EDGE OF WALK
EX = EXISTING
F = FIBER OPTIC
FES = FLARED END SECTION
FG = FINISHED GRADE
FL = FLOWLINE
FM = FORCEMAIN
G = GAS LINE
HP = HIGH POINT
INV = INVERT
LP = LOW POINT
MA = MATCH
M# = STORM SEWER MANHOLE
MT# = STORM SEWER TEE MANHOLE
MM# = STORM SEWER MULTI–MANHOLE
MC = MIDPOINT OF CURVE
OHP = OVERHEAD POWER
OHT = OVERHEAD TELEPHONE
OHTV = OVERHEAD TELEVISION
PC = POINT OF CURVATURE
PRC = POINT OF REVERSE CURVE
PVC = POLYVINYL CHLORIDE PIPE
PT = POINT OF TANGENCY
RIM = RIM OF STRUCTURE
S# = SANITARY SEWER MANHOLE
S.B. ELEV. = STOP BOX ELEVATION
S.S. ELEV. = SANITARY SEWER SERVICE INVERT
S.S. = SANITARY SEWER
S.T. = STORM SEWER
STA = ALIGNMENT STATION
T = TELEPHONE
TOC = TOP OF CONCRETE
TOP = TOP OF PAVEMENT
TOP = TOP OF PIPE
TOW = TOP OF WALK
TR# = SANITARY TELEVISING RISER
TRANS = TRANSFORMER
TV = TELEVISION
U = UTILITY (UNKNOWN UTILITY)

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

CIVIL
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CIVIL LEGEND**

| | |
|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-001**

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## CLEARING AND GRUBBING/DEMOLITION:

1. The contractor shall exercise care in their construction operations to ensure that trees, shrubs, fences, buildings and grasses within the right-of-way and construction easement not designated for removal are not disturbed. Any change to these items shall be repaired or replaced at the contractor's expense.
2. Refer to specification 311000 for additional notes.
3. Trees and branches may be ground up on-site and used as temporary or permanent mulch.
4. All clearing and grubbing work shall be incidental to the project.

## UTILITIES:

1. Not all utilities may be shown. Prior to digging, it is the contractor's responsibility to call for utility locates and to immediately notify the engineer of any conflicts. It shall be the contractor's responsibility to verify and coordinate their activities and schedule all utility relocations. Utility locates can be requested from "North Dakota one call".
2. Contractor may need to work in conjunction with utility companies during construction. Contractor must notify engineer prior to doing work with any and all utility companies. There shall be no change orders for scheduling conflicts with utility companies
3. The contractor shall locate all buried utilities on the site prior to digging and shall protect them during construction.
4. Utility pedestals may be placed prior to construction of spoil bank areas. If this is done, utility companies will set pedestals at appropriate heights to match expected spoil bank heights. Contractor is responsible for maintaining the integrity of soils around these new pedestals. Contractor will be responsible for damage to pedestals during construction and will bear all costs of replacement or repair of damaged pedestals.

## CONSTRUCTION LIMITS:

1. The contractor shall limit work to within the construction easements and right of way shown on the plans. Contractor is responsible for all damage expense for work done outside of project right-of-way.
2. Contractor vehicles, equipment, and materials shall be stored within the site.

## SIGNS AND DELINEATORS:

1. All existing signs, delineators, mailboxes, and bridge end markers within the site shall be removed, salvaged, and reset. Any items removed shall be neatly stockpiled on the project right-of-way and are to remain the property of the owner. This work shall be considered incidental to the project.
2. Any damaged signs shall be replaced at contractor's expense.
3. The contractor shall inspect all signs, delineators, and mail boxes prior to construction and notify engineer of any damages. The contractor shall be responsible for any damages identified after construction begins.

## HAUL ROADS:

1. It shall be the contractor's responsibility to investigate the suitability of routes with the agency having control of the roads and acquire their approval prior to submitting a bid and doing the work.
2. Any damage to roads as a result of hauling shall be repaired at the contractor's expense and at no cost to the owner.
3. Temporary haul roads and ramps required shall be incidental to the project.

## SPOIL BANKS:

1. Excavated material, unless otherwise used on the project, shall be placed in spoil banks adjacent to the channel.
2. Spoil banks shall not impede existing drainage. The contractor will be liable for damage from any blocked drainage.
3. Contractor shall construct berm at the minimum berm elevation.
4. If power lines are needed to be relocated, they will be designed to provide adequate clearance from proposed minimum berm elevations. Contractor shall ensure no fill is placed within 18' of vertical clearance under overhead power lines.
5. No spoil shall be placed on a road.
6. Top of berm shall be graded smooth and level to the satisfaction of the engineer.
7. It may also be necessary to move spoil parallel to the drain to ensure that the spoil bank appears uniform with the grade of the spoil bank matching the minimum berm grade.

## CHANNEL APPEARANCE:

1. The final constructed channel section shall form neat lines when viewed from one end of a mile to the other end of a mile.
2. Waviness, bumps, or divots shall not exceed more than 0.2' from the desired channel profile.

## PROJECT SCHEDULE:

1. Channel construction shall begin at the downstream end and proceed upstream.

## PROJECT MAINTENANCE:

1. The contractor shall hold a pre-construction meeting prior to commencing work on this site.
2. It is the contractor's responsibility for channel maintenance, weed control, erosion control and repair, silt removal and spoiling, re-grading bottom and re-grading side slopes until seed is established. It should be the intent to establish seed growth as soon as channel areas are completed.
3. Contractor is responsible for weed control within the project site throughout duration of project and it shall be considered incidental to the project. This may require tilling or spraying the project site.

## DISPOSAL NOTES:

1. No material, other than soil, shall be wasted on the site or in the spoil bank area.
2. Removed pipes, bridge decks, bridge piers, existing weir materials, trees and roots, plastic, wood, metal, tires and other construction material or debris shall be properly disposed of offsite. This work shall be incidental to the project unless otherwise specified.
3. Any removed items not salvaged as shown on the plans become the property of the contractor and are the contractor's responsibility once off the site.
4. No material may be buried or burned on site.
5. Rock material picked from project site shall be utilized at culvert crossings or disposed of offsite.

## SURVEY NOTES:

1. Contractor requested surveys conducted after construction is complete for the purpose of verifying excavation and embankment quantities shall be at the contractor's expense.
2. If contractor utilizes GPS equipment for shaping purposes, contractor may request digital point files from the engineer to create a finished ground surface to upload into contractor's machinery.
3. Engineer requires a 48 hour notice for any contractor requested survey. Contractor shall coordinate with RPR for scheduling.

## TRAFFIC CONTROL:

1. The contractor shall provide, implement, install, maintain, and remove all necessary traffic control devices as required by the contractor's construction means and methods.
2. The contractor shall provide, maintain, and remove temporary approaches, crossings, and intersections as necessary during construction.
3. The contractor shall provide a method of protecting traffic and pedestrians from construction areas and shall allow access to all areas by fire, police, and other emergency personnel.
4. All traffic control measures needed to complete the work shall be incidental to the project.

## INTERCEPT CULVERT NOTES:

1. All existing intercept pipes, flared end sections, and flap gates along the field shall be removed unless specified otherwise in the plans.
2. Assumed quantities and sizes of new pipes, flared end sections, and flap gates are reflected in the bid proposal. Quantity, location, size, and invert elevations of all new intercept pipes and new field access pipes shall be determined by the engineer in the field.
3. New intercept pipes shall be installed as shown in intercept pipe detail.
4. New intercept pipes shall have riprap installed at the outlet of each pipe as shown in the intercept pipe - riprap detail.

**ISSUED FOR PERMITTING**
**NOT FOR CONSTRUCTION**

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

CIVIL
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**GENERAL NOTES**

| | |
|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

C-002

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5. All items associated with installing new intercept pipe, flared end sections, flap gates, riprap, and riprap filter blanket shall be paid for at the bid item price in the bid proposal.
6. Unless called out in the plans or specifications, all other items needed to install intercept pipes and associated items shall be considered incidental to the installation of the pipe (ex. Dirt work to install pipe and pipe connecting bands).

## PERMANENT CONSTRUCTION EASEMENT:

1. Permanent construction easement area shall be completely free of debris, garbage, rocks, trees, wood, plastic, metal, and all other waste prior to the completion of the project.
2. Contractor shall disc permanent construction easement area upon completion of the work to restore area to pre-project conditions (ex. No hard compacted areas).

## EROSION CONTROL NOTES:

1. Work may not start until Notice of Intent (NOI) has been submitted to the North Dakota DEQ and 7 business days have passed.
2. Permit No. NDR10-0000 shall be used as a guide for storm water management on this project.
3. Contractor shall designate an erosion control supervisor who will be in control of reviewing and modifying SWPPP, conducts the required site inspections, and prepares the inspection reports as per NDR10-0000 or as stated in the plans.
4. Contractor is responsible for the day-to-day operation of the SWPPP and shall notify the engineer if any problems arise.
5. Site inspections are required every 14 days or after a rainfall event greater than 0.25 inches in 24 hours. All inspections must be documented in the SWPPP. Contractor shall provide engineer with a copy of each inspection report. Contractor shall provide on-site rain gauge to measure rainfall totals.
6. The receiving water is the Maple River. BMP's shall be used to minimize any sediment from project site into the receiving waters.
7. All areas not worked for 14 days shall be temporary mulched. This work is part of Storm Water Management and will not be paid for as additional work.
8. Tracked sediment shall be removed from all roads within 24 hours of sediment tracking. If sediment tracking is severe, a construction entrance shall be installed in accordance with NDR10-0000 or as shown on the plans.
9. Temporary rock checks shall be installed prior to starting work in any area of the project. They shall be construction in accordance with the plans.
10. The contractor is responsible for controlling project site dust. Watering project site as well as watering the haul road may be needed.
11. Contractor is responsible for non-hazardous waste brought to and stored at the site. All trash and debris shall be picked up daily and disposed of in proper containers. No material is allowed to be buried on site. All oil, gas, and other petroleum products shall be stored in sealed containers with proper labels.
12. All spills shall be cleaned up immediately. Engineer shall be notified immediately of any spill.
13. All items that are required by NDR10-0000 or as shown on the plans as part of storm water management shall be paid for by the Storm Water Management pay item unless a separate bid item is provided on the bid schedule.
14. All culverts shall have riprap installed as shown on the plans within 3 days of installation.
15. Contractor is responsible for ensuring subcontractors stay in compliance with storm water management requirements.
16. All equipment shall arrive on-site in a clean, operable manner. Excess dirt, vegetation, oil, grease, or any other contaminants shall be cleaned off prior to entering project site.
17. Contractor shall maintain a stockpile of appropriate BMP's on-site for use in emergency situations. The stockpile should include erosion control blanket, silt fence, spare riprap, and seeding material.
18. Contractor is encouraged to install permanent stabilization in stages as portions of the project reach final grades.
19. At the completion of the project, permanent grass seeding shall be installed. Permanent seeding is paid for by a bid item and is not part of Storm Water Management.

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6083
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

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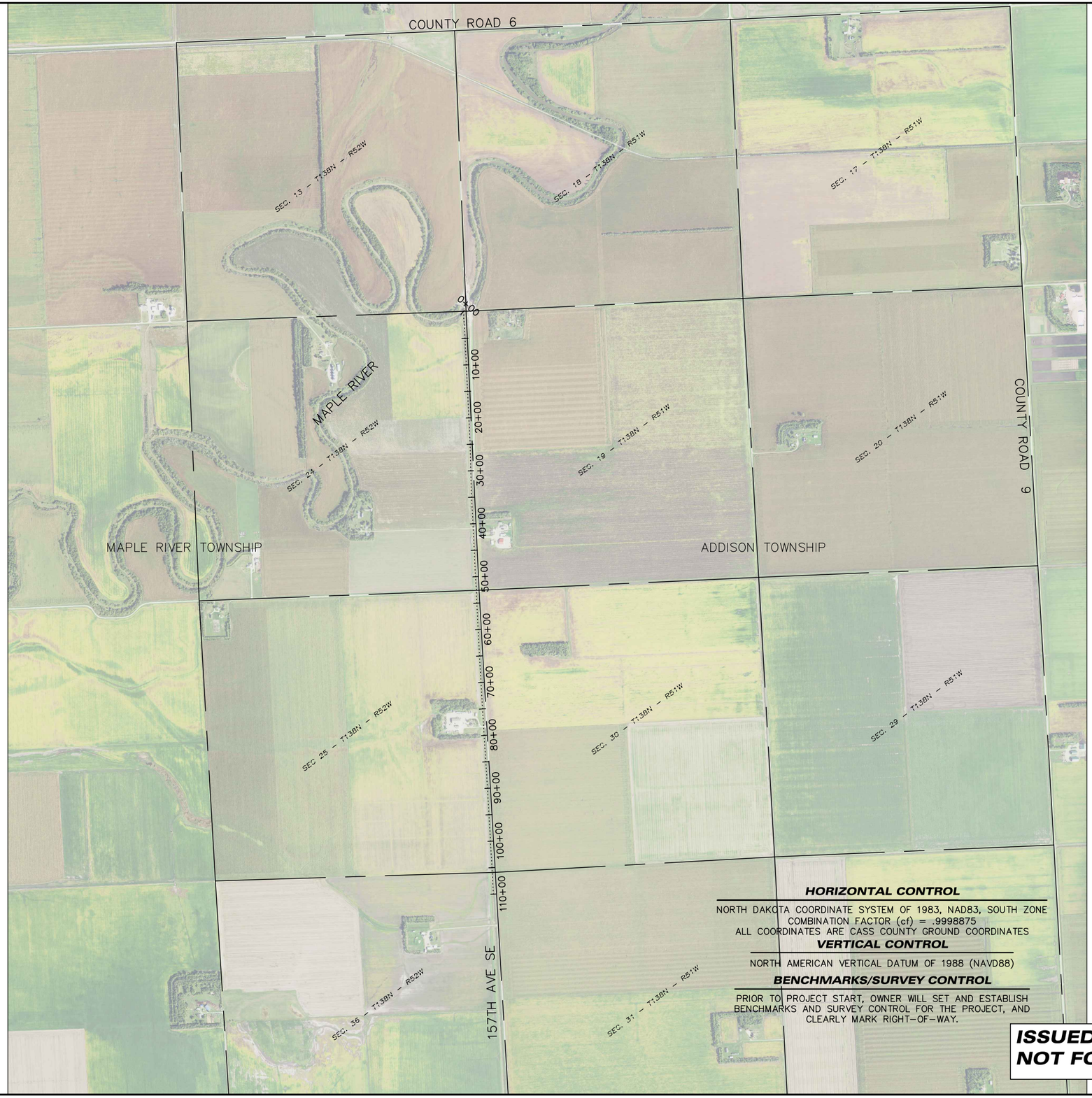
CIVIL
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**GENERAL NOTES**

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|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-003**

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***HORIZONTAL CONTROL***

NORTH DAKOTA COORDINATE SYSTEM OF 1983, NAD83, SOUTH ZONE
COMBINATION FACTOR (cf) = .9998875
ALL COORDINATES ARE CASS COUNTY GROUND COORDINATES

***VERTICAL CONTROL***

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

***BENCHMARKS/SURVEY CONTROL***

PRIOR TO PROJECT START, OWNER WILL SET AND ESTABLISH BENCHMARKS AND SURVEY CONTROL FOR THE PROJECT, AND CLEARLY MARK RIGHT-OF-WAY.

***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

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Scale in Feet

moore engineering, inc.

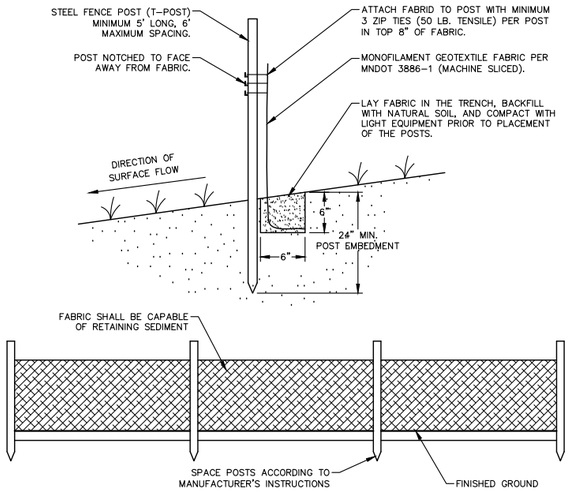
PROJECT LAYOUTS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**ALIGNMENT AND SURVEY CONTROL**

| | |
|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-101**

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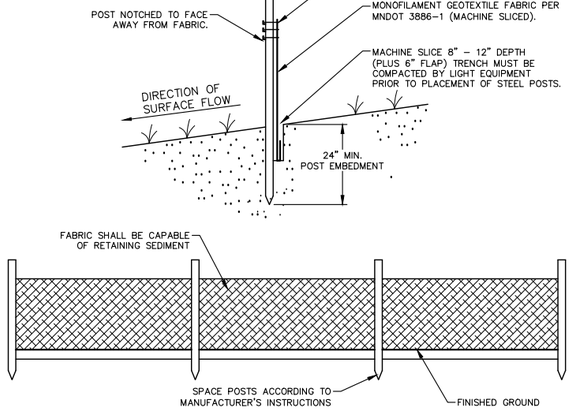
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## STANDARD SILT FENCE DETAIL

*NO SCALE* *WRG-312500-01 02.15.17*

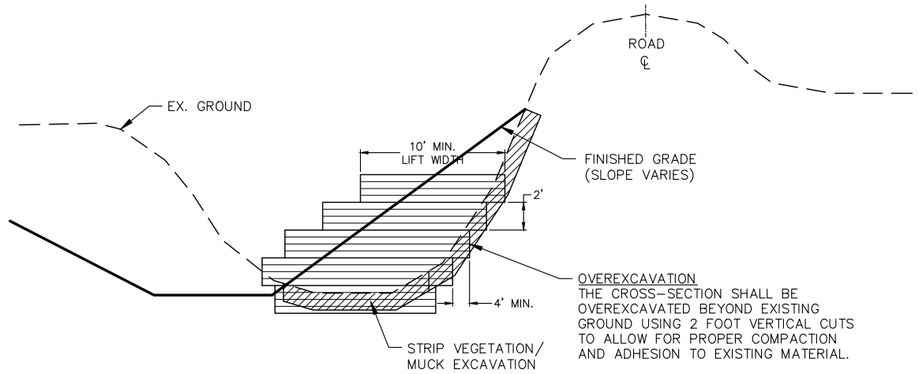
NOTES:
1. INSPECT AND REPAIR AFTER EACH STORM EVENT, AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENTS SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.




## MACHINED SILT FENCE DETAIL

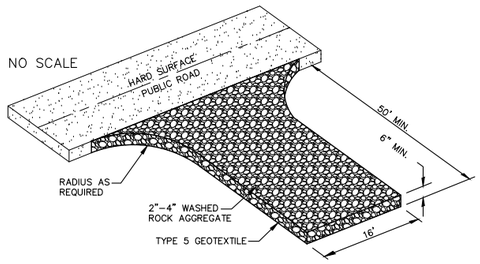
*NO SCALE* *WRG-312500-02 12.15.17*

NOTES:
1. INSPECT AND REPAIR AFTER EACH STORM EVENT, AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENTS SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.



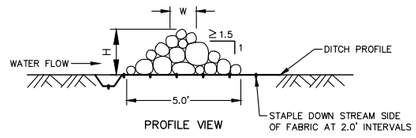

**EMBANKMENT NOTES:**
1. THE CROSS-SECTION SHALL BE OVEREXCAVATED BEYOND EXISTING GROUND USING 2 FOOT VERTICAL CUTS TO ALLOW FOR PROPER COMPACTION AND ADHESION TO EXISTING MATERIAL.
2. EMBANKMENT SHALL MEET PROJECT SPECIFICATIONS FOR MATERIAL TYPE, COMPACTION AND MOISTURE.
3. ALL CONSTRUCTED EMBANKMENT LAYERS SHALL BE TIED INTO UNDISTURBED SOIL ALONG THE OVEREXCAVATION SLOPE BY CONSTRUCTING VERTICAL WALLS 2 FEET HIGH. ALL CONSTRUCTED EMBANKMENT LAYERS SHALL BE A MINIMUM OF 10 FEET WIDE. THE CROSS-SECTION SHALL BE OVERFILLED TO ALLOW FOR PROPER COMPACTION AND EXCAVATED TO FINAL GRADES AND SLOPES.
4. ONLY CLAY MATERIAL TO BE USED AS FILL MATERIAL.

## TYPICAL SECTION – CHANNEL FILL DETAIL




## TEMPORARY ROCK - SITE ENTRANCE

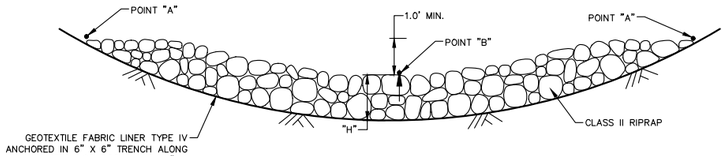
*NO SCALE* *WRG-312500-04 02.15.17*




PROFILE VIEW

NOTES:
1. ROCK DITCH CHEK SHALL BE REMOVED FROM CLEAR ZONE AFTER SEEDING OR TURF IS ESTABLISHED AND PRIOR TO FINAL ACCEPTANCE.
2. POINT "A" MUST BE 1'-0" MIN. HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE CHECK AND NOT AROUND THE ENDS.

| HEIGHT OF CHECK (H) | CLASS RIPRAP | TOP WIDTH (W) |
|---|---|---|
| 2'-0" | II | 12"-18" |




CROSS SECTION

## TEMPORARY ROCK CHECK DETAIL

*NO SCALE* *WRG-312500-05 02.15.17*

***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

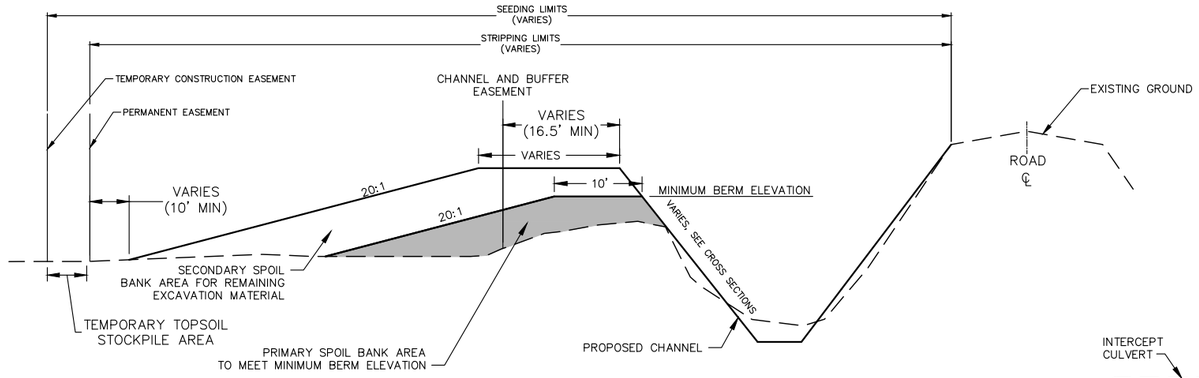
DETAILS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**TYPICAL DETAILS**

| | |
|---|---|
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| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-201**

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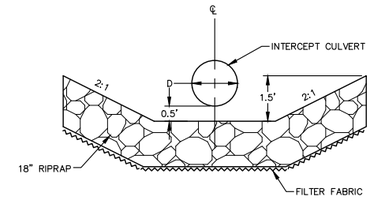
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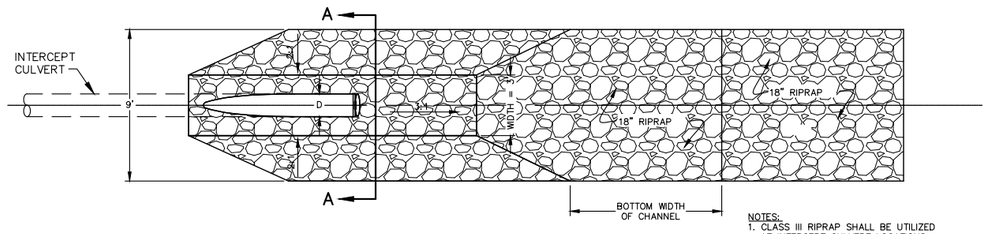

## TYPICAL SECTION DETAIL

*NO SCALE*

NOTES:
1. CONTRACTOR TO CONSTRUCT MINIMUM BERM.
2. AFTER MINIMUM BERM HEIGHT IS REACHED, EXCESS MATERIAL SHALL BE USED TO ALTER BACK SLOPE TO 20:1.
3. IF EXCESS MATERIAL, RAISE MINIMUM BERM UNIFORMLY MAINTAINING THE 20:1 BACK SLOPE UNTIL DAYLIGHT OF BACKSLOPE IS 10' FROM PERMANENT EASEMENT.
4. IF EXCESS MATERIAL EXISTS FLATTEN 20:1 BACKSLOPE AND WIDEN BERM TOP UNTIL EDGE OF SECONDARY SPOIL BANK MEETS SPOIL ACCESS EASEMENT.
5. IF EXCESS MATERIAL EXISTS AT AREAS WHERE BERM ELEVATION IS SPECIFIED CONTRACTOR TO HAUL MATERIAL LATERALLY TO SPOIL.

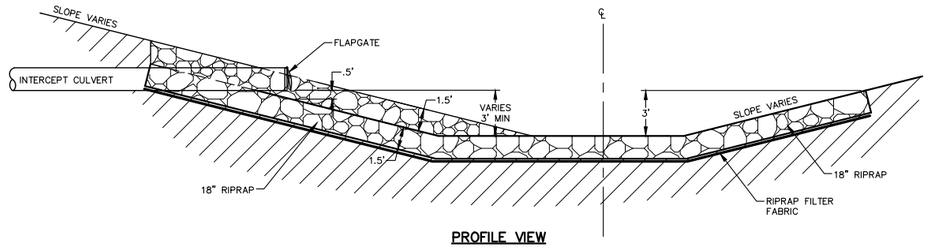



## SECTION A–A




NOTES:
1. CLASS III RIPRAP SHALL BE UTILIZED AT INTERCEPT CULVERT LOCATIONS.

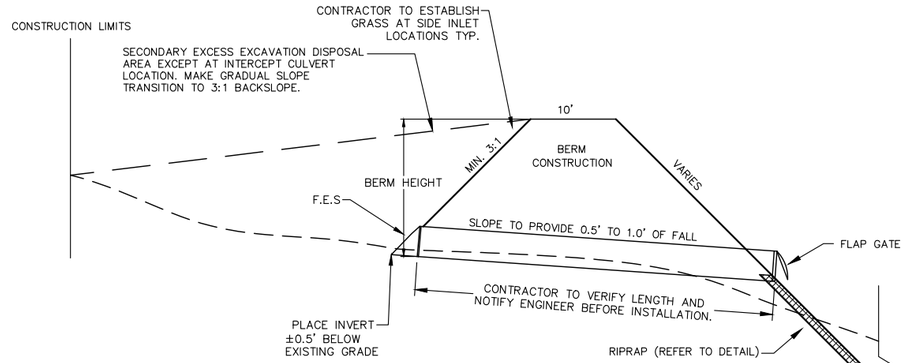
## PLAN VIEW




## PROFILE VIEW

## INTERCEPT PIPE RIPRAP DETAIL

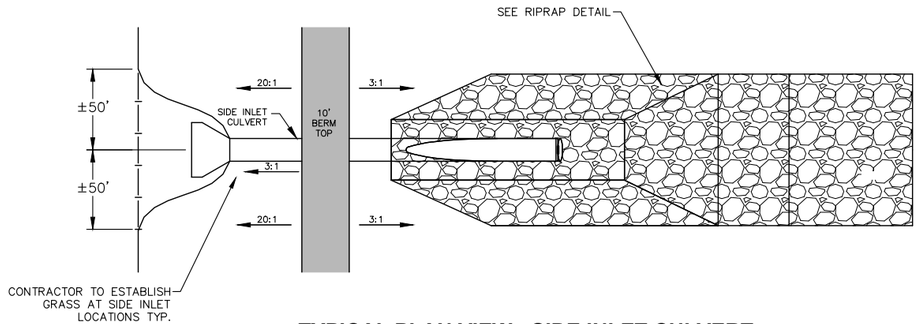
*NO SCALE* *XXXXX-XX 02.23.17*




INTERCEPT CULVERT NOTES:
1. ENGINEER TO PROVIDE SIDE INLET CULVERT LOCATION (STATION REFERENCE) AND DIA..
2. CONTRACTOR TO VERIFY EXPECTED BERM HEIGHT AND CULVERT LENGTH AND NOTIFY ENGINEER BEFORE INSTALLATION.
3. ENGINEER MAY DIRECT CONTRACTOR IN FIELD TO DEVIATE FROM TYPICAL DETAIL AND INSTALL ADDITIONAL LENGTH OR AT DIFFERENT ELEVATION. (I.E. IF LANDOWNER REQUESTS CULVERT PLACED DEEPER THAN TYPICAL).
4. TOP WIDTH OF BERM TO TRANSITION TO 30' FOR FIELD ENTRANCES AT LOCATIONS WHERE FIELD ACCESS IS PARALLEL TO BERM.

## TYPICAL CHANNEL SECTION - SIDE INLET CULVERT

*NO SCALE*




## TYPICAL PLAN VIEW - SIDE INLET CULVERT

*NO SCALE*

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

DETAILS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**TYPICAL DETAILS**

| | |
|---|---|
| DATE: | 12.12.2025 |
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| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

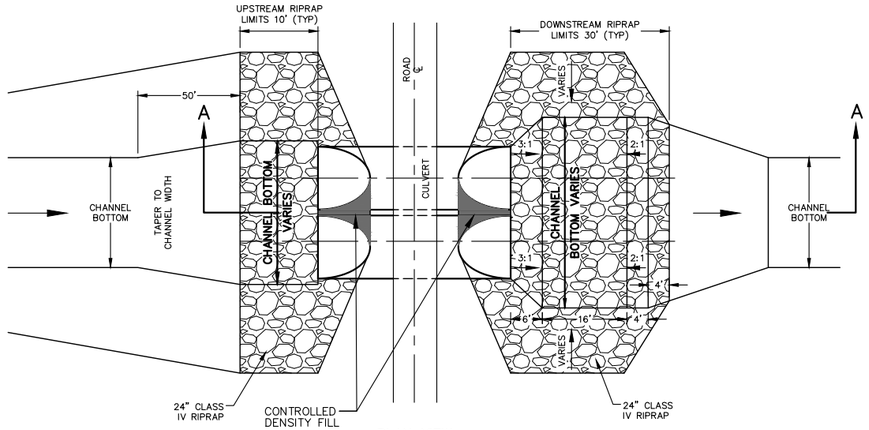
**C-202**

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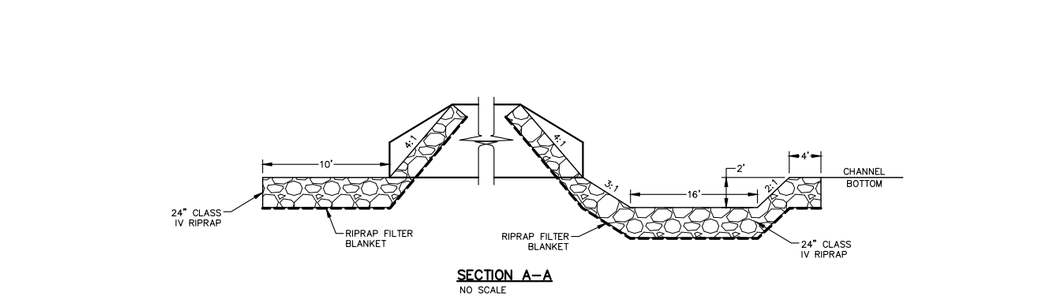
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**SECTION A–A**
NO SCALE

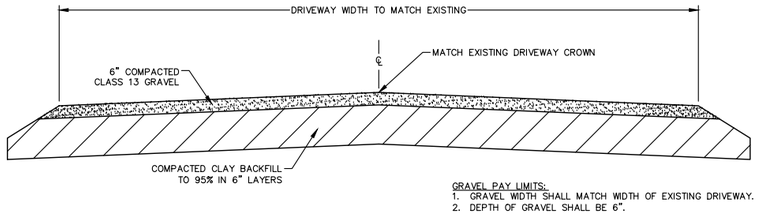



**PLAN VIEW**
NO SCALE



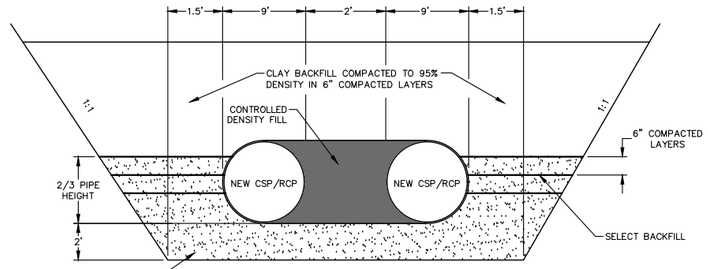

**RIPRAP DETAIL - DUAL CSP**
*NO SCALE* *XXXXX-XX 02.23.17*

NOTES:
1. CONTROLLED DENSITY FILL (CDF) SHALL BE INSTALLED BETWEEN THE TWO CULVERTS TO THE TOP OF THE BEVELED PIPE ENDS. CDF SHALL BE PLACED TO FILL VOIDS WITHIN THE RIPRAP TO THE FULL DEPTH OF THE RIPRAP AT EACH LOCATION. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CULVERT INSTALLATION.



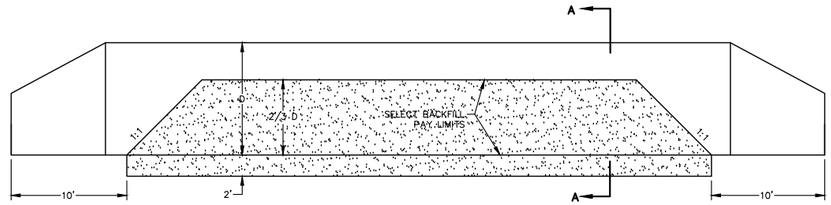

GRAVEL PAY LIMITS:
1. GRAVEL WIDTH SHALL MATCH WIDTH OF EXISTING DRIVEWAY.
2. DEPTH OF GRAVEL SHALL BE 6".

**TYPICAL GRAVEL DRIVEWAY SECTION**
*NO SCALE*

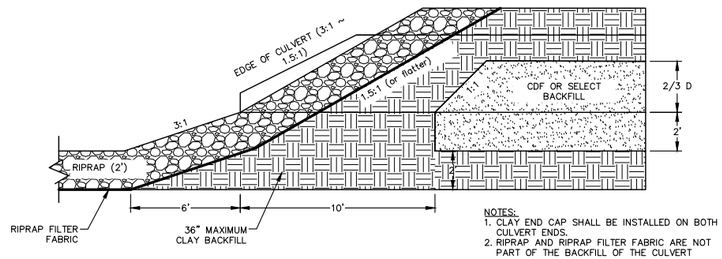



NOTES:
1 EXTRA PRECAUTIONS SHALL BE TAKEN TO THOROUGHLY SHAPE THE FILL BENEATH THE BOTTOM OF THE PIPE OUT TO THE HAUNCHES TO FIT THE PIPES CURVED FORM.
2 THE ABOVE DIMENSIONS ARE SHOWN TO ESTABLISH MINIMUM REQUIREMENTS. NO EXTRA PAYMENT SHALL BE GIVEN FOR GOING OUTSIDE THOSE MINIMUMS.

**SECTION A-A (DUAL PIPE)**
*NO SCALE* *XXXXX-XX 02.15.17*




**SELECT BACKFILL PAY LIMITS**
*NO SCALE* *XXXXX-XX 12.15.17*




NOTES:
1. CLAY END CAP SHALL BE INSTALLED ON BOTH CULVERT ENDS.
2. RIPRAP AND RIPRAP FILTER FABRIC ARE NOT PART OF THE BACKFILL OF THE CULVERT

**END OF CULVERT BACKFILL DETAIL**
*NO SCALE* *XXXXX-XX 02.15.17*

***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

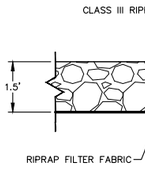
DETAILS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**TYPICAL DETAILS**

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| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

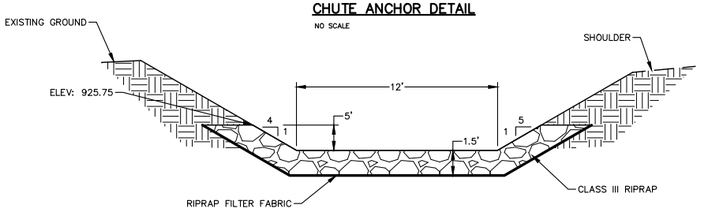
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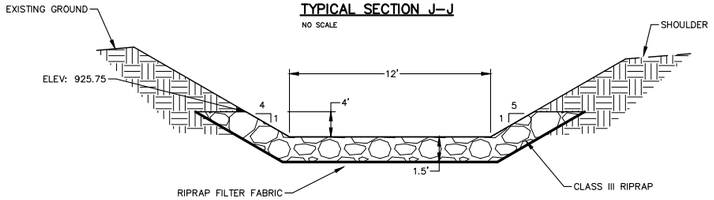
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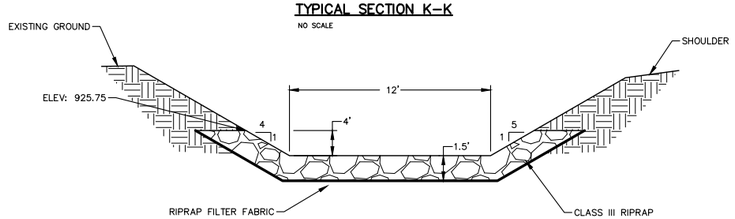

CHUTE ANCHOR DETAIL
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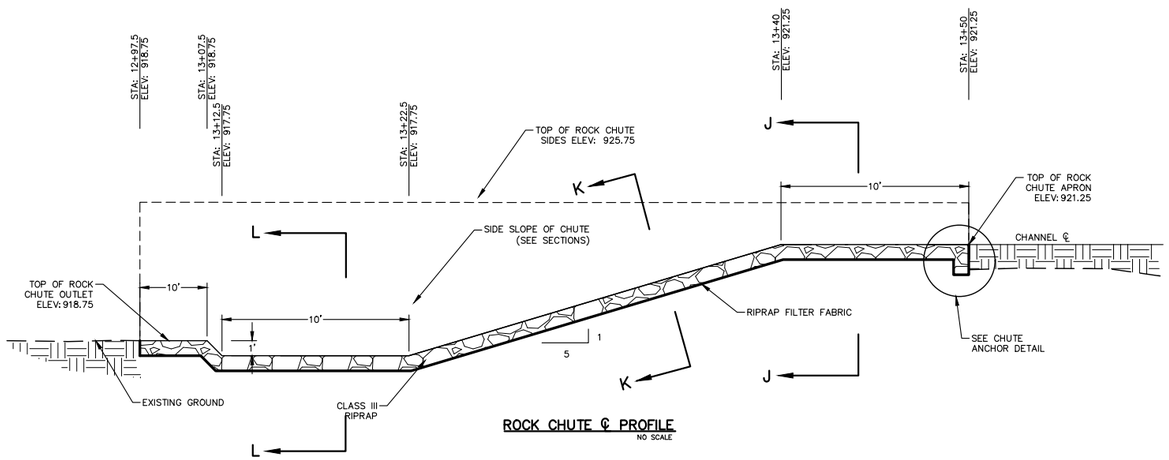

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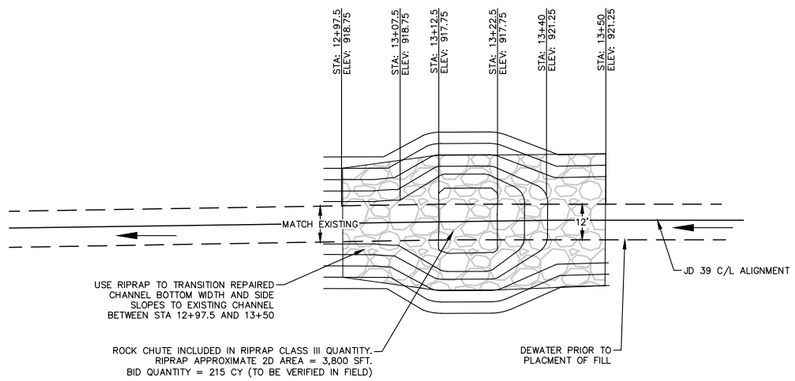

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TYPICAL SECTION L–L
NO SCALE




ROCK CHUTE ℄ PROFILE
NO SCALE




PLAN VIEW
NO SCALE

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

DETAILS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**ROCK CHUTE DETAIL**

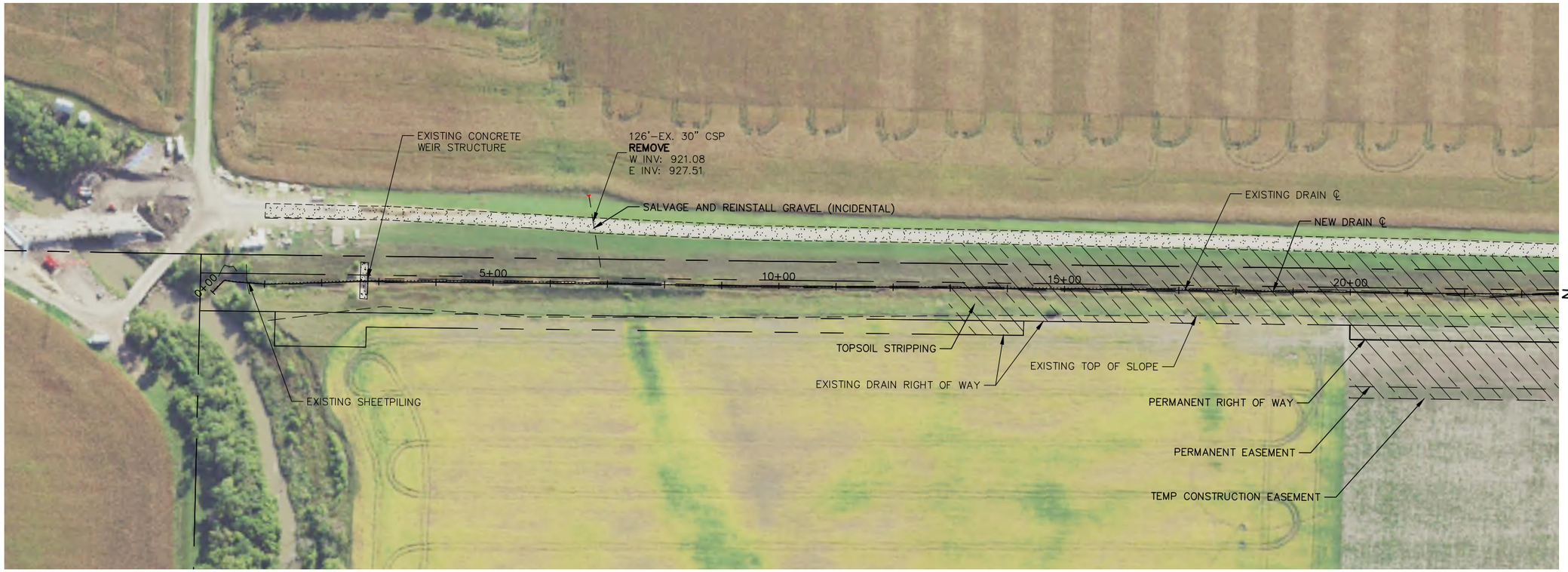
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| REVIEWER: | ARD |

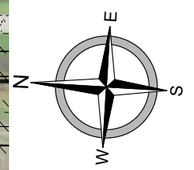
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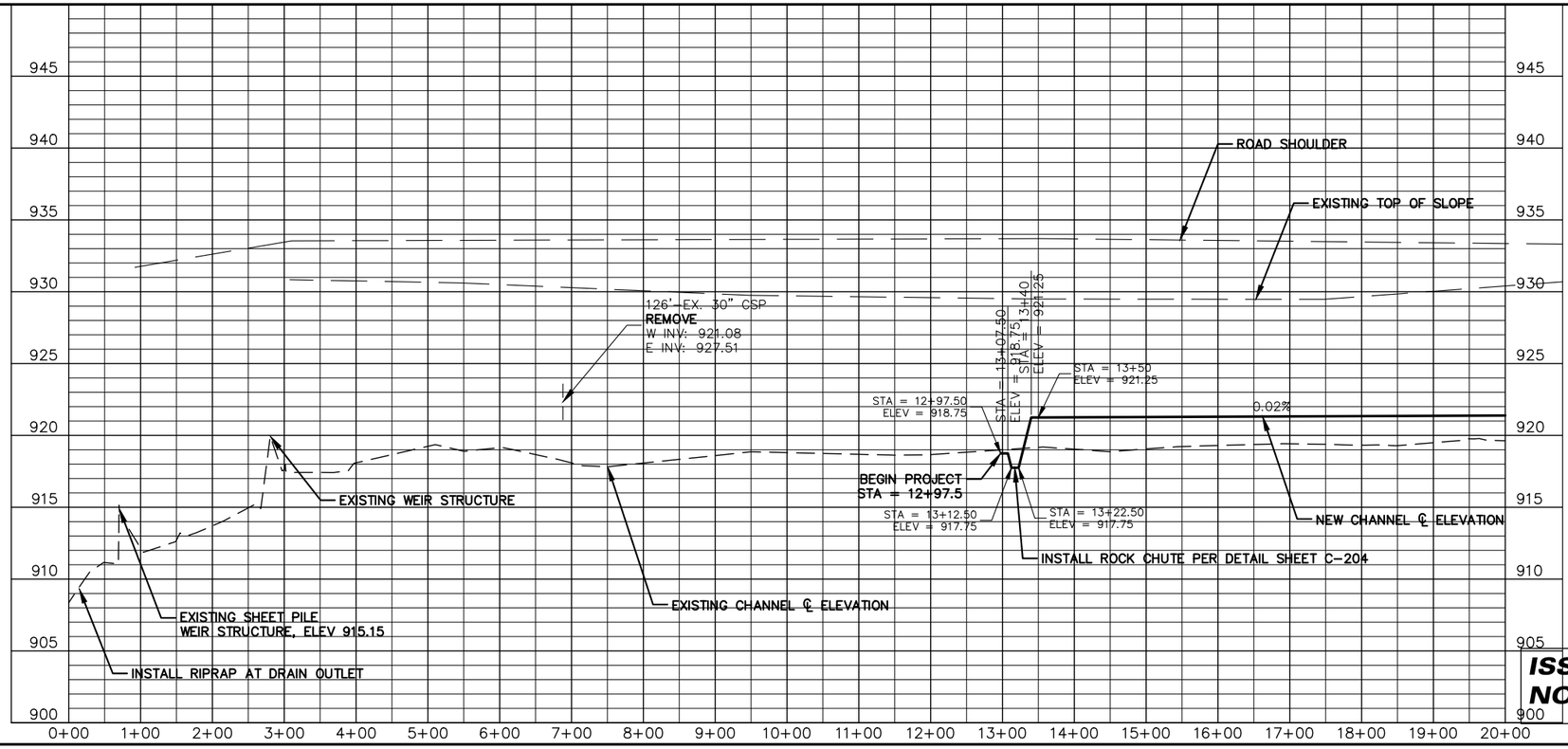
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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA

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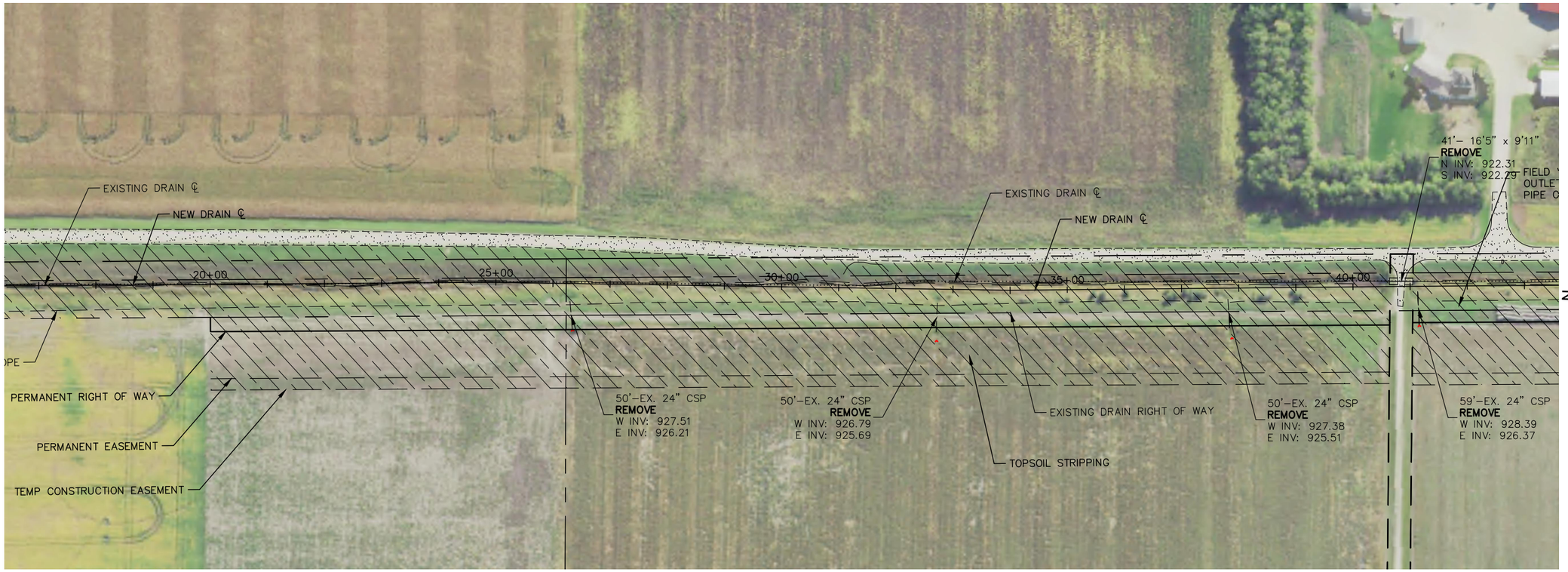
REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

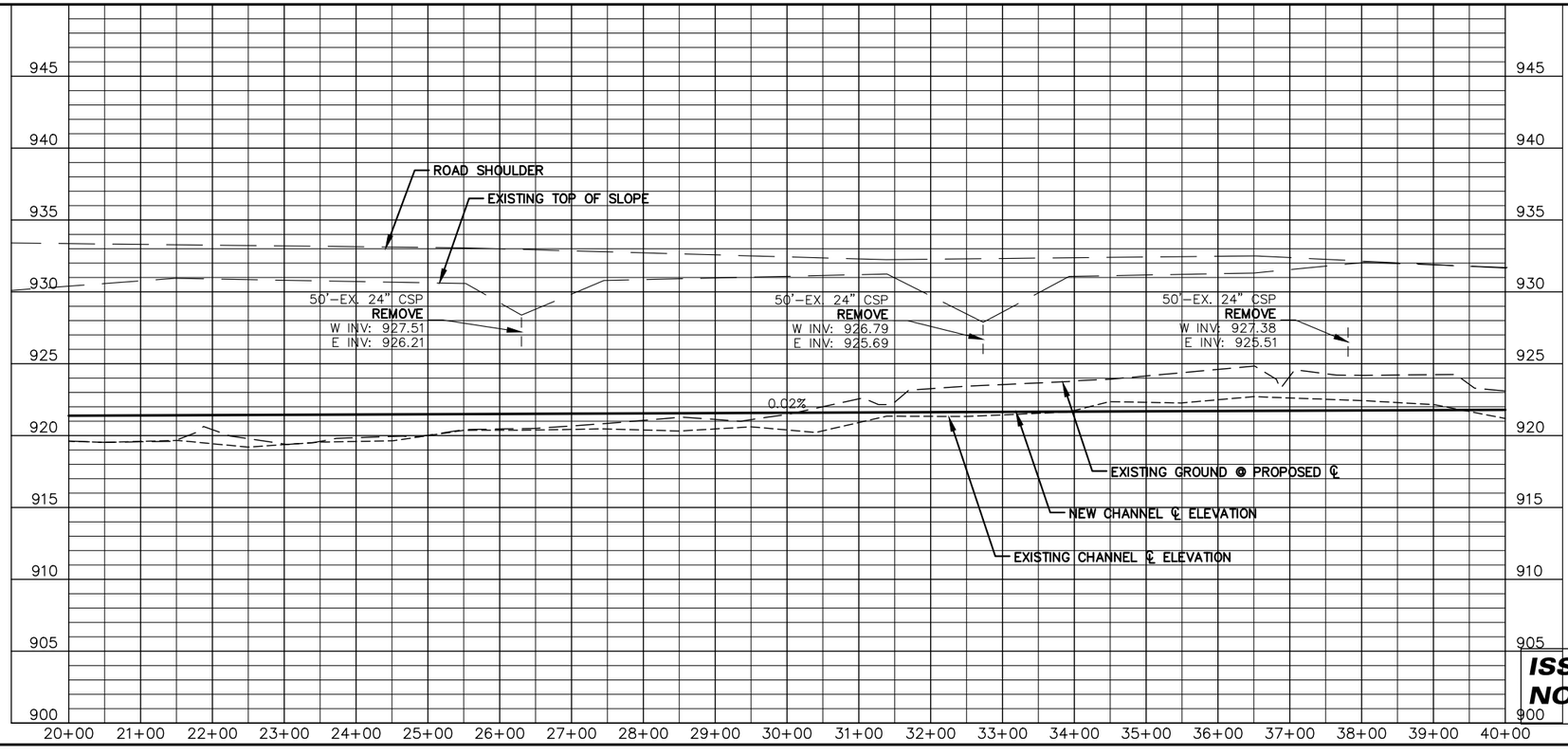
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| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-301**

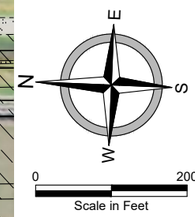
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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6083
DATE: 12.12.2025
NORTH DAKOTA




moore engineering, inc.

REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

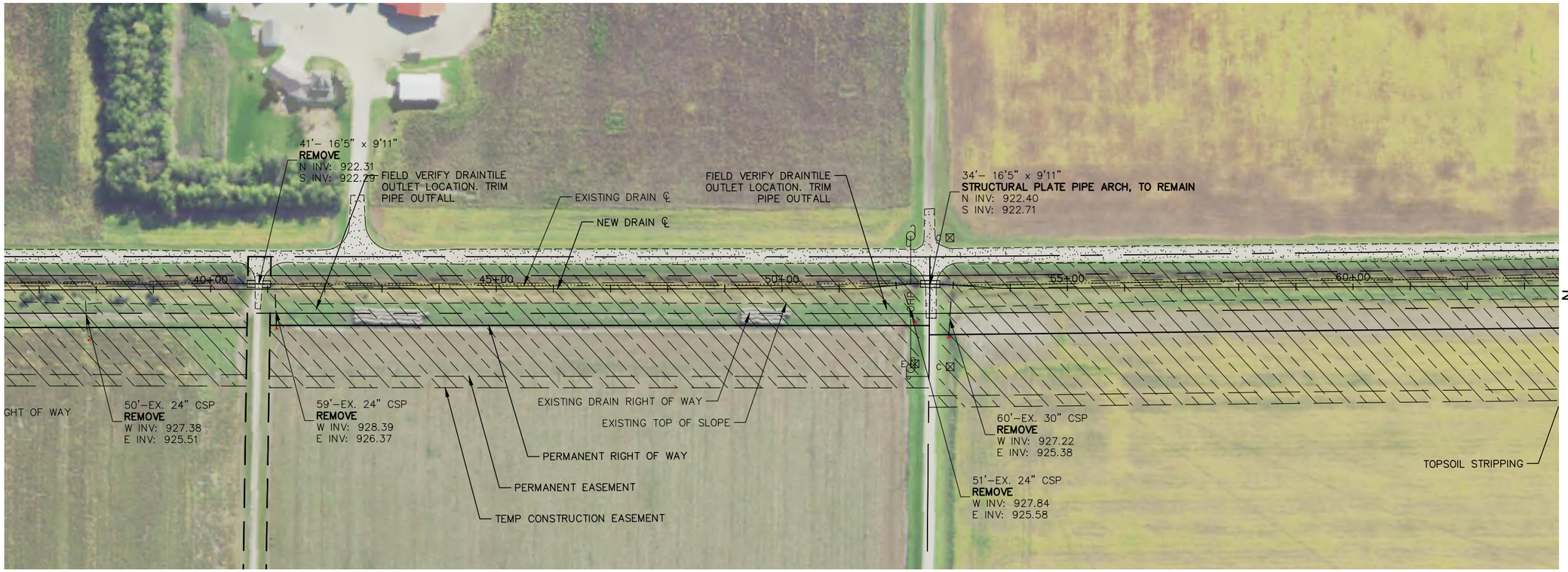
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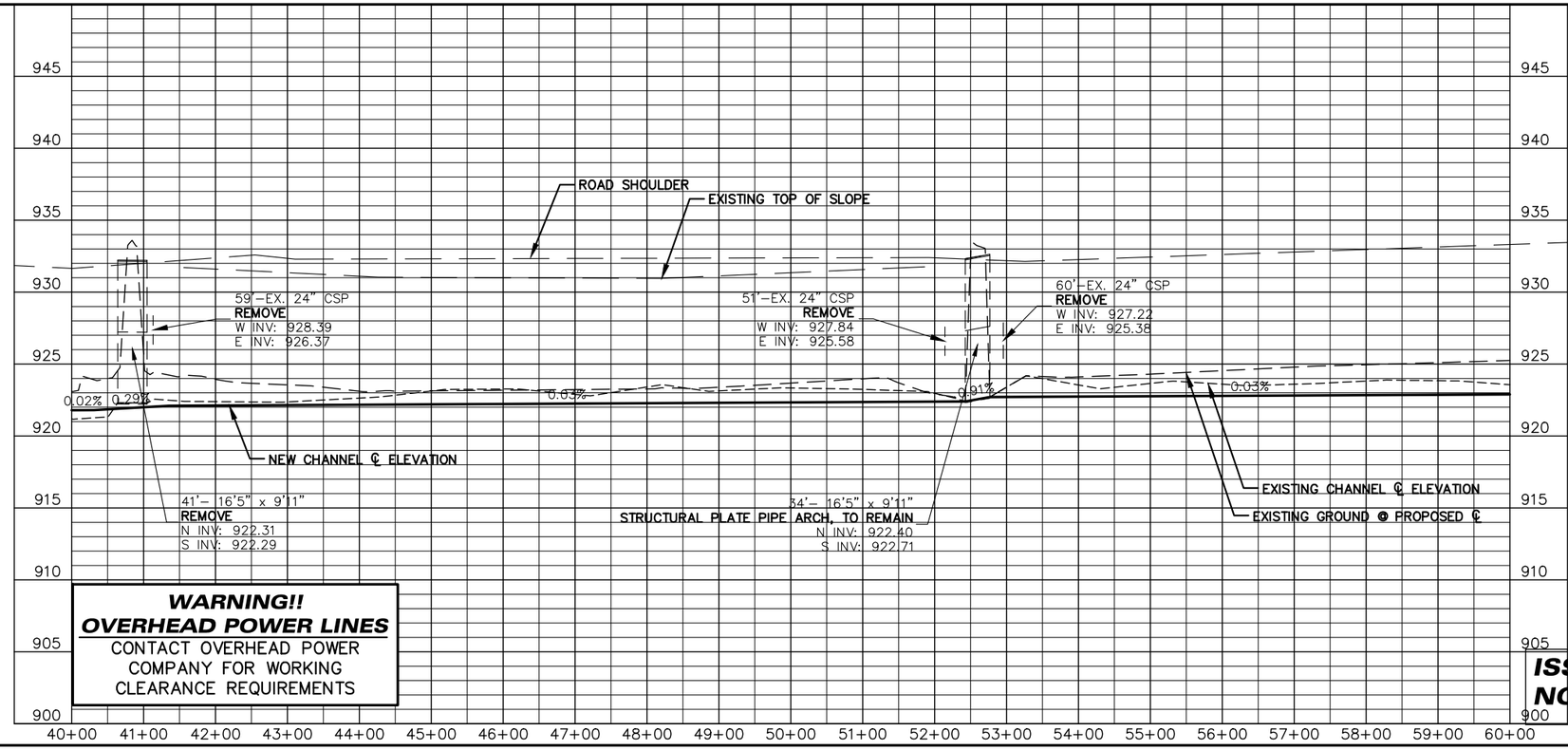
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**C-302**

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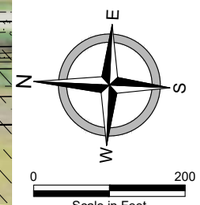



**WARNING!!**
**OVERHEAD POWER LINES**
CONTACT OVERHEAD POWER COMPANY FOR WORKING CLEARANCE REQUIREMENTS

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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA




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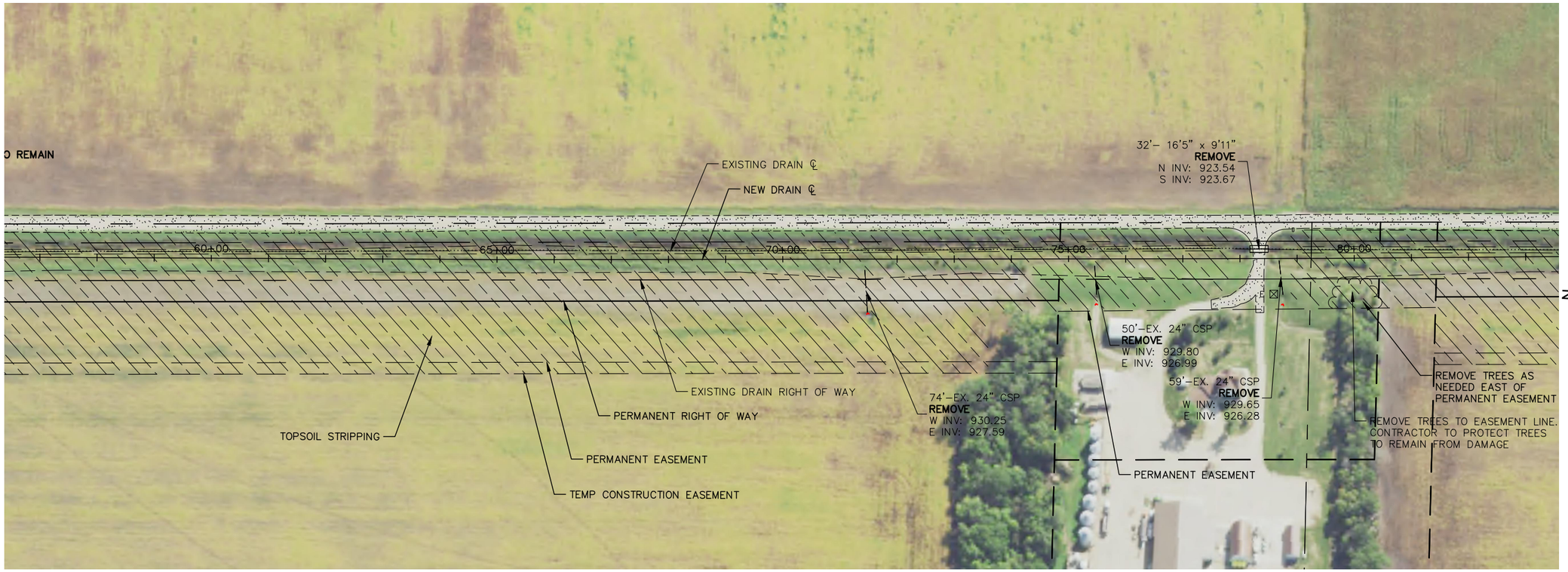
REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

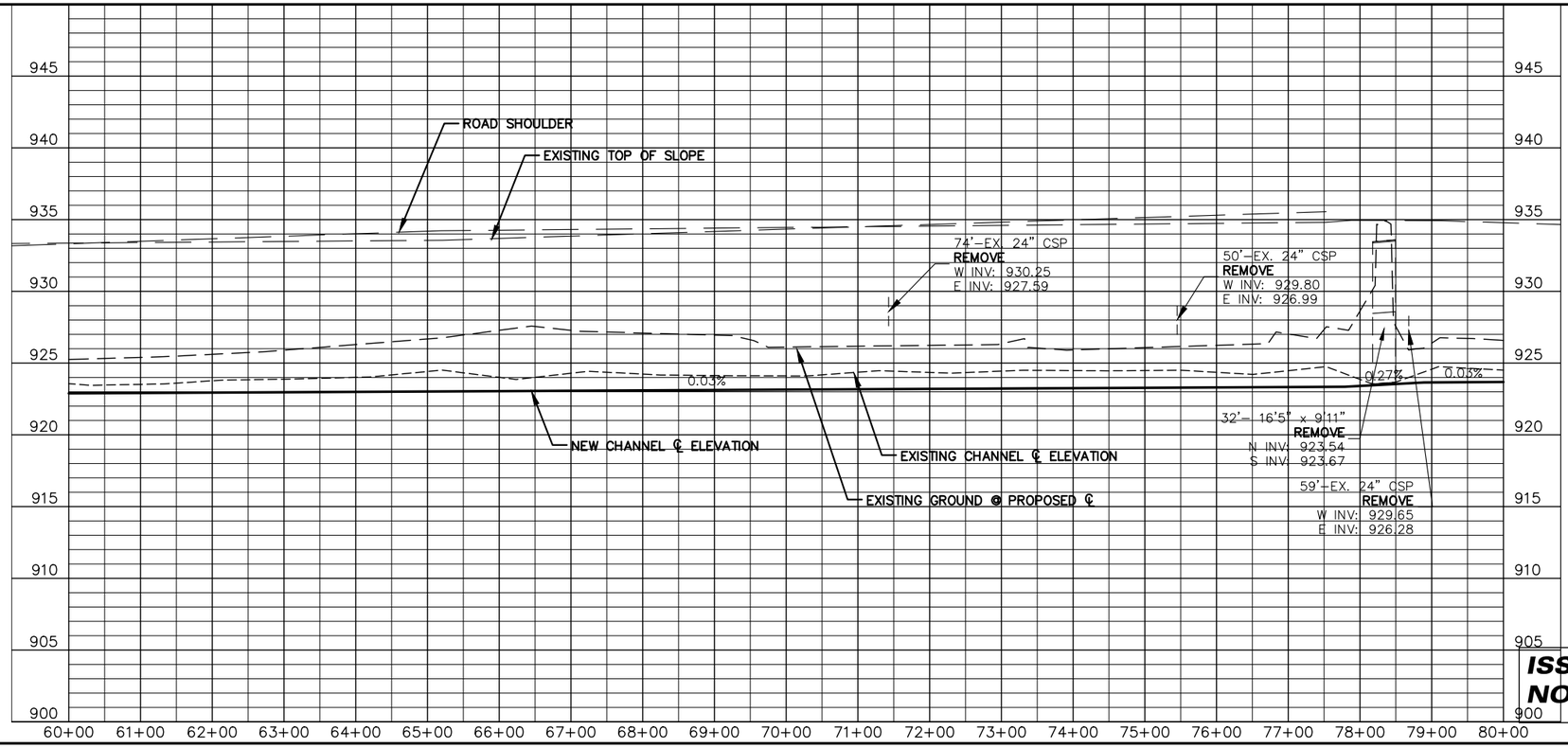
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| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-303**

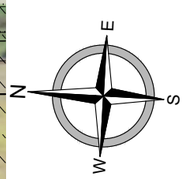
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REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
BRETT O. BAILLY
E-6087
DATE: 12.12.2025




moore engineering, inc.

REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

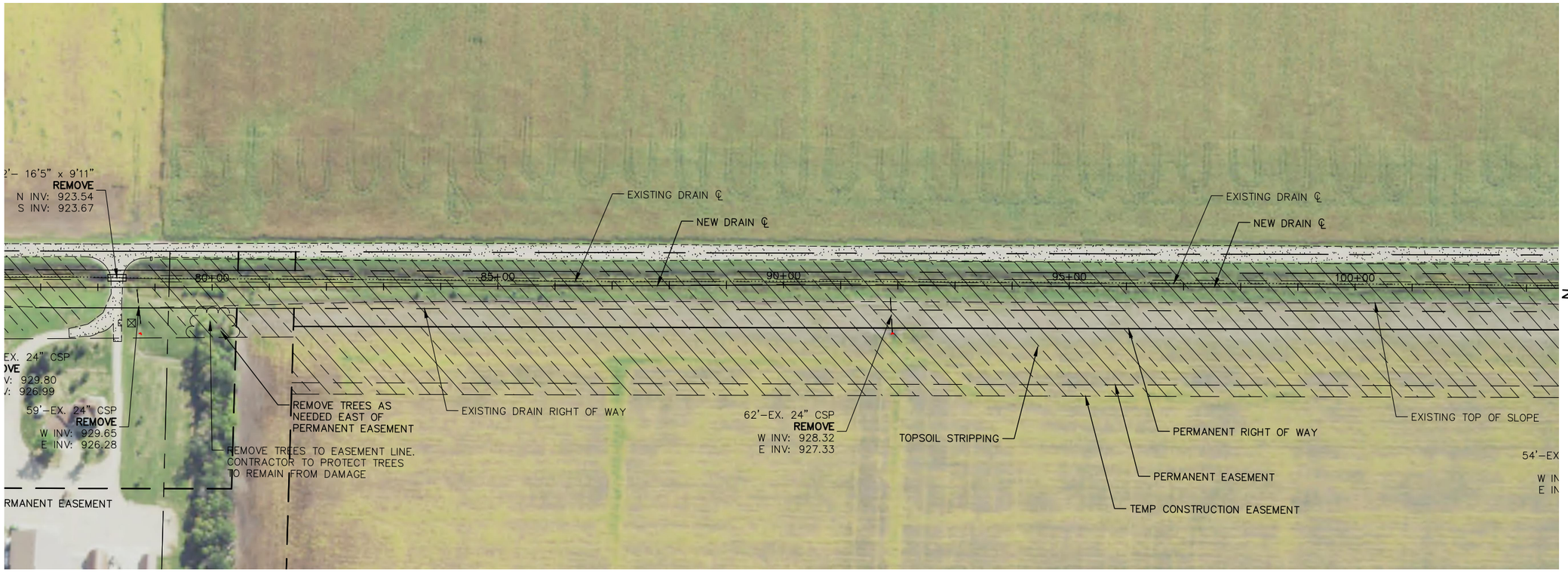
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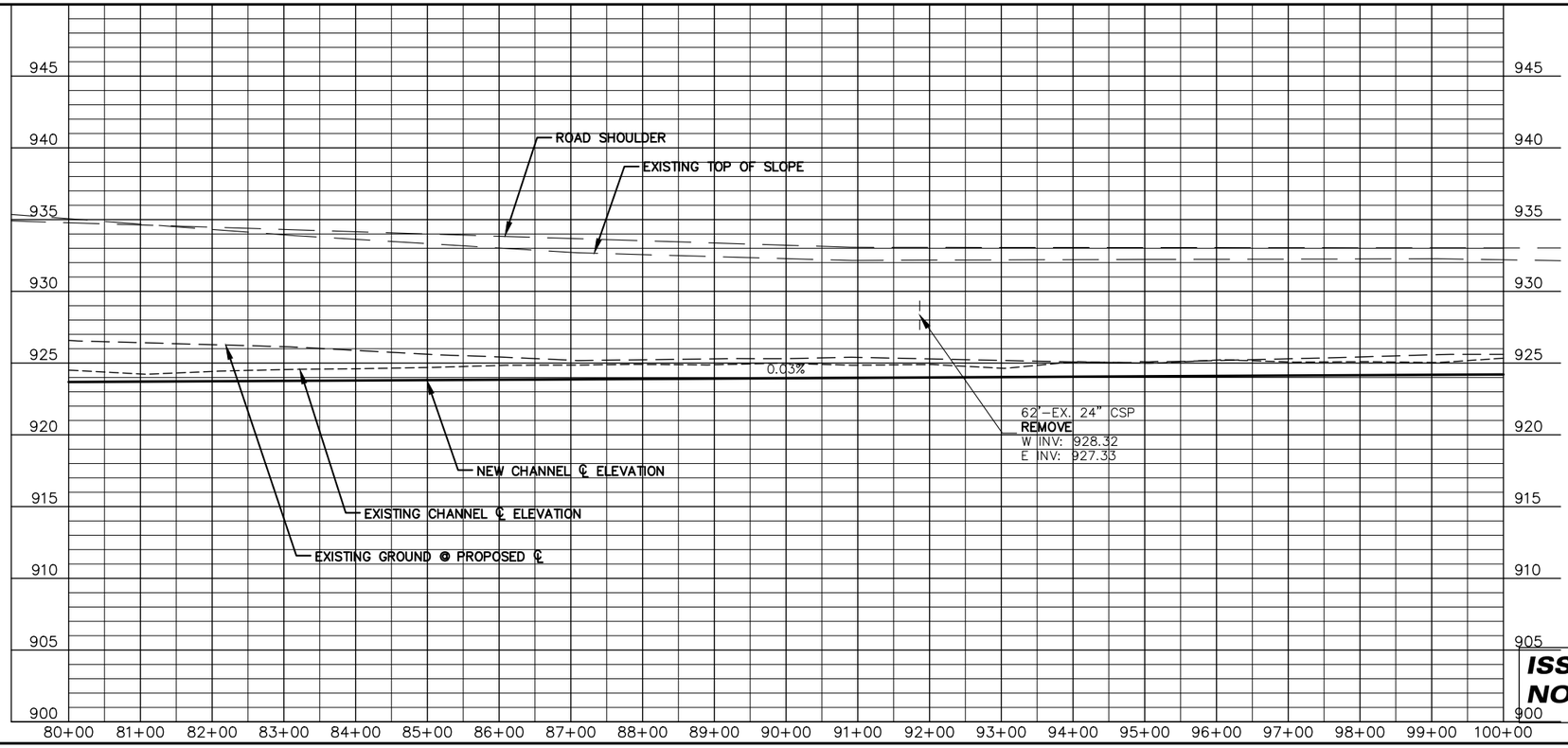
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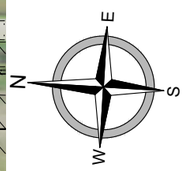
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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6083
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

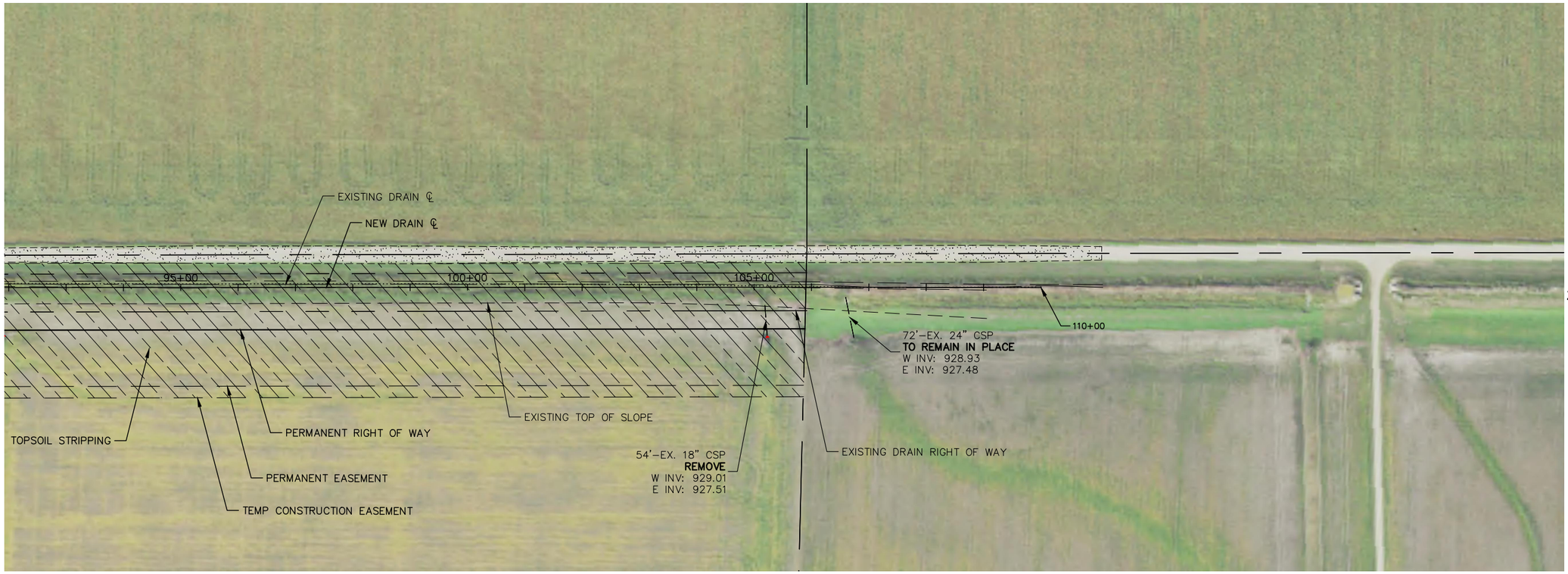
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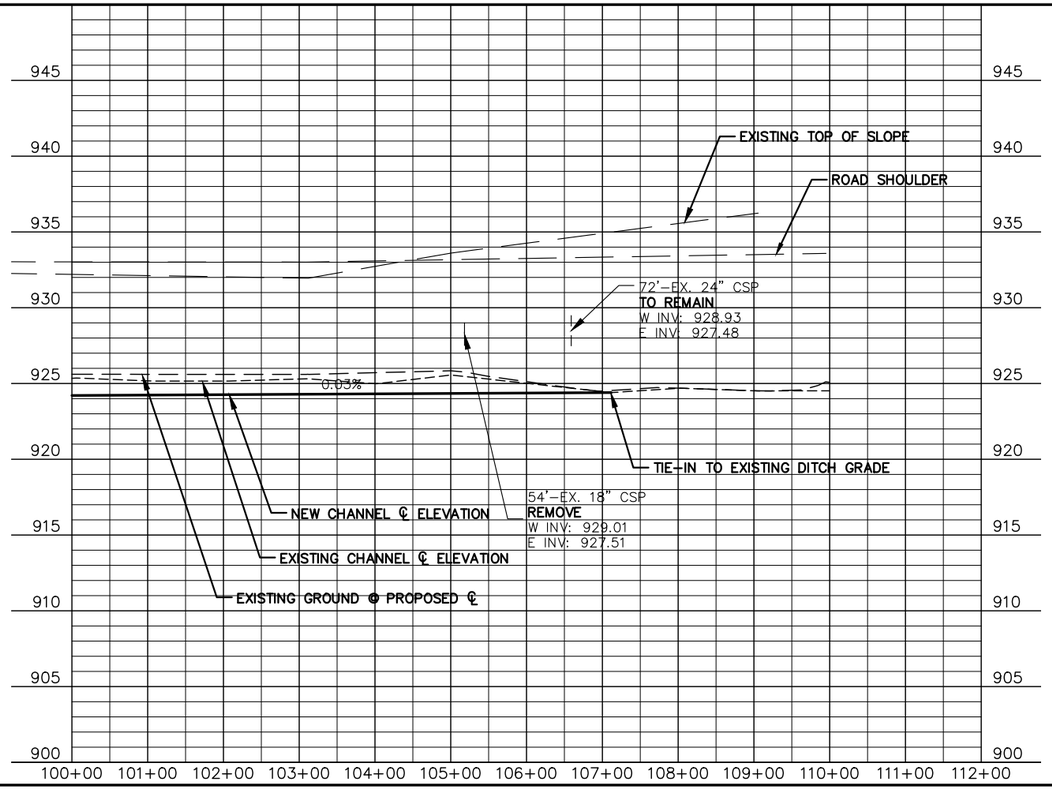
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**C-305**

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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA

N E S W
0 200
Scale in Feet

moore engineering, inc.

REMOVALS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

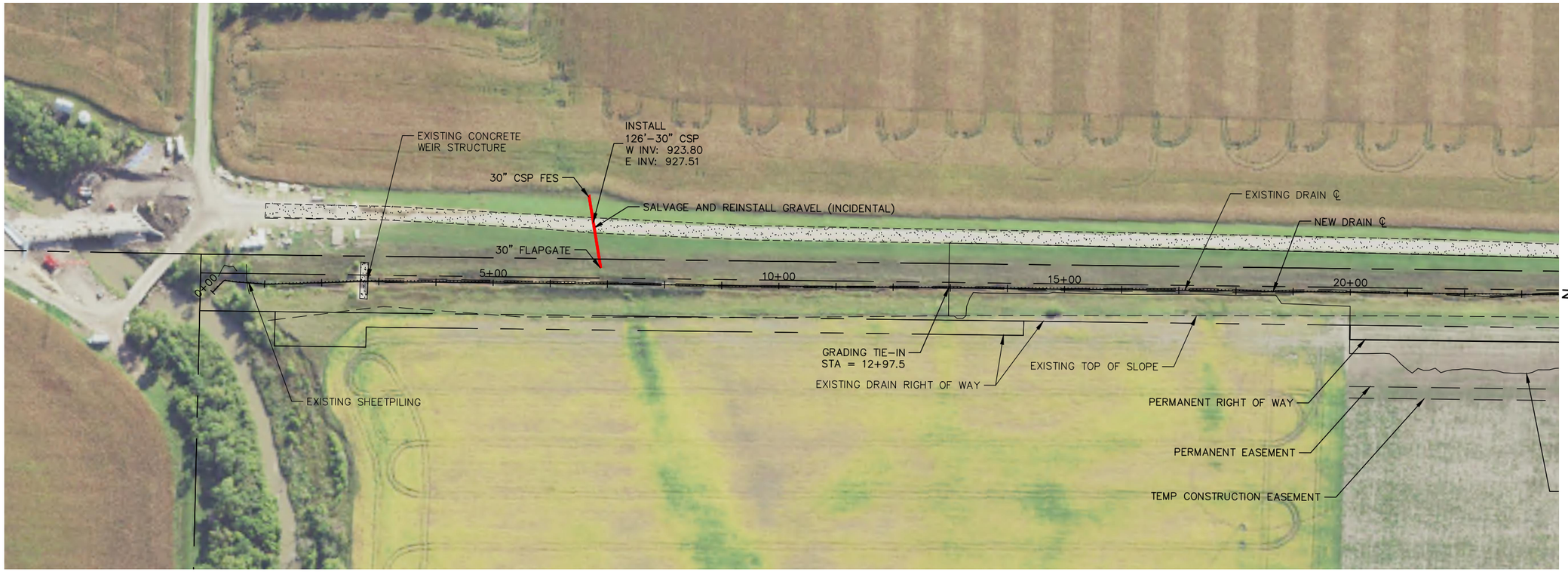
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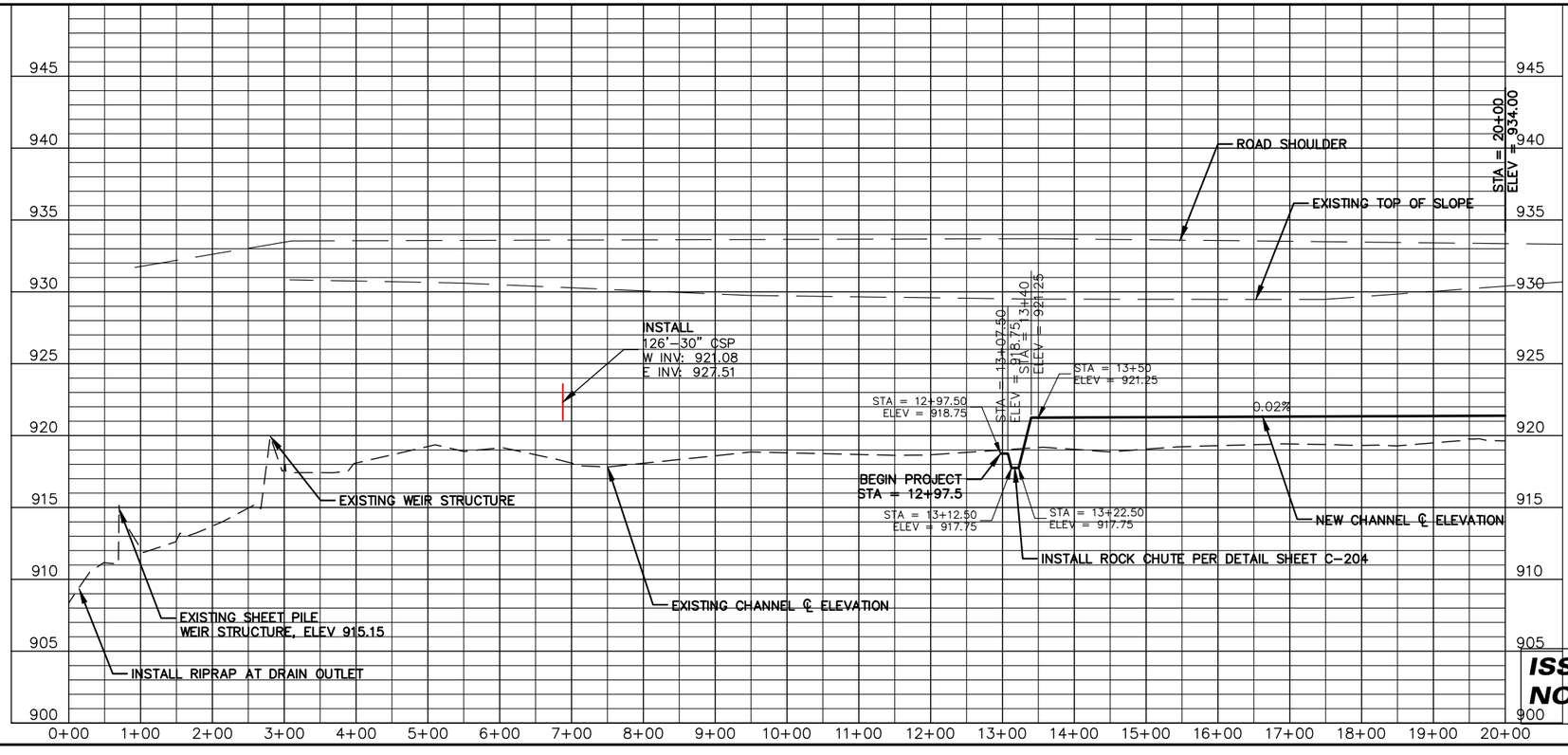
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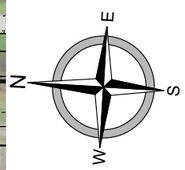
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REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
BRETT O. BAILLY
E-6087
DATE: 12.12.2025




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PLAN & PROFILE
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

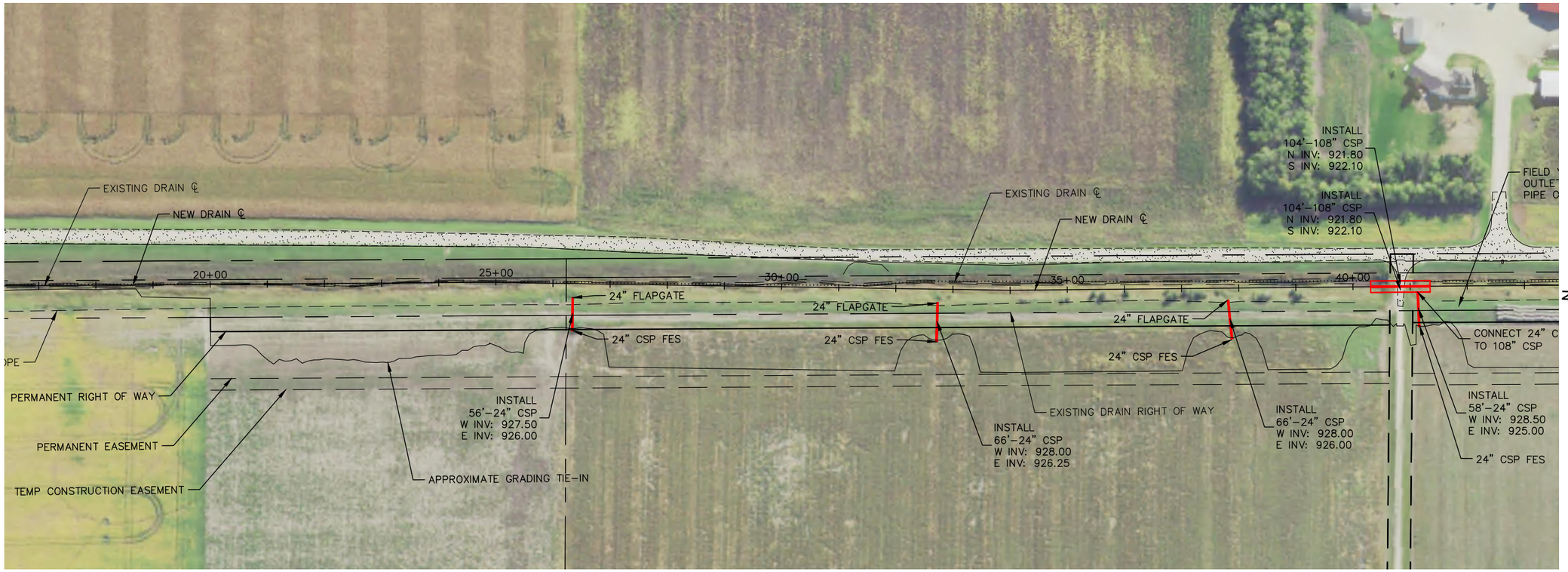
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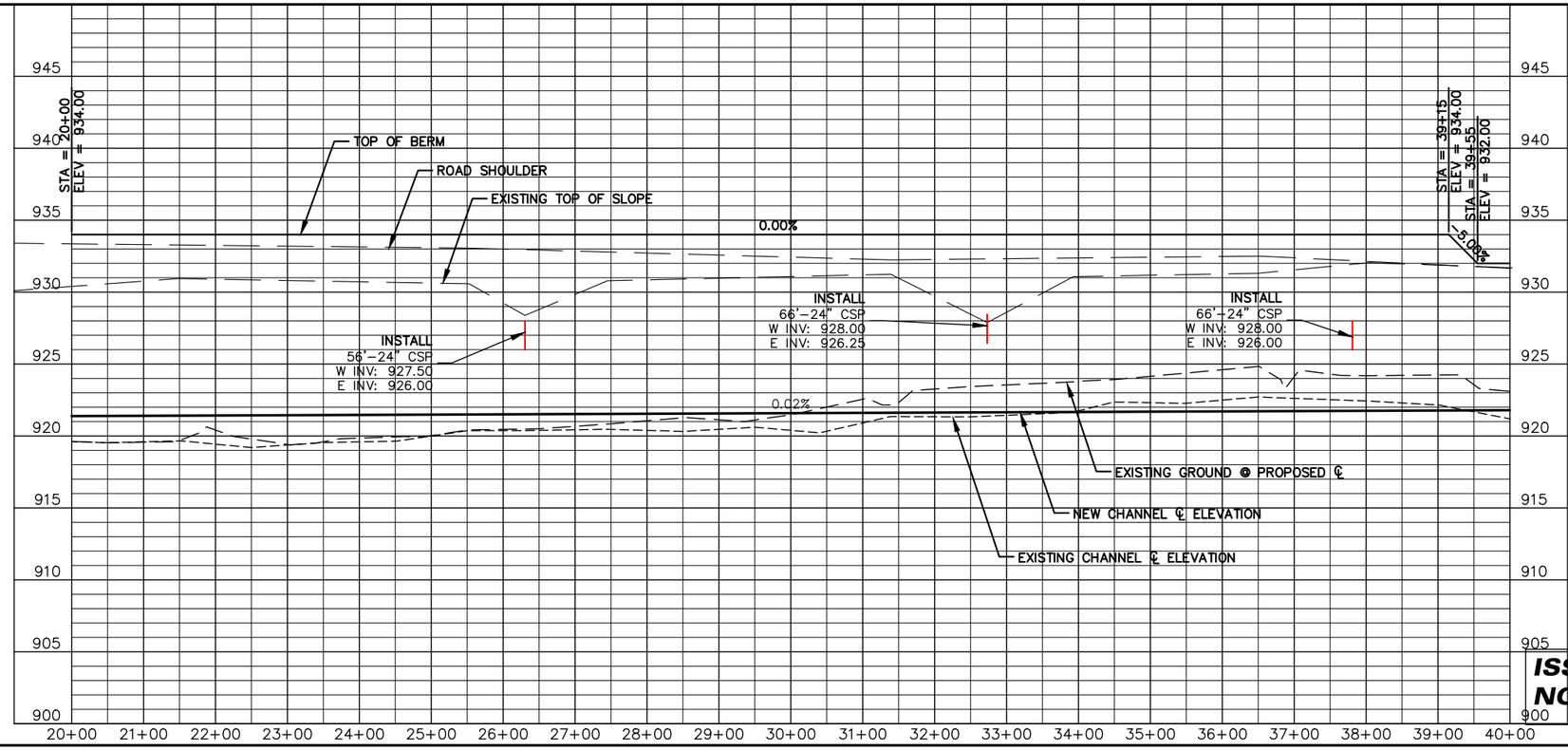
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**C-401**

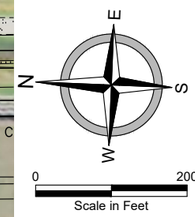
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REGISTERED PROFESSIONAL ENGINEER
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NORTH DAKOTA




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PLAN & PROFILE
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

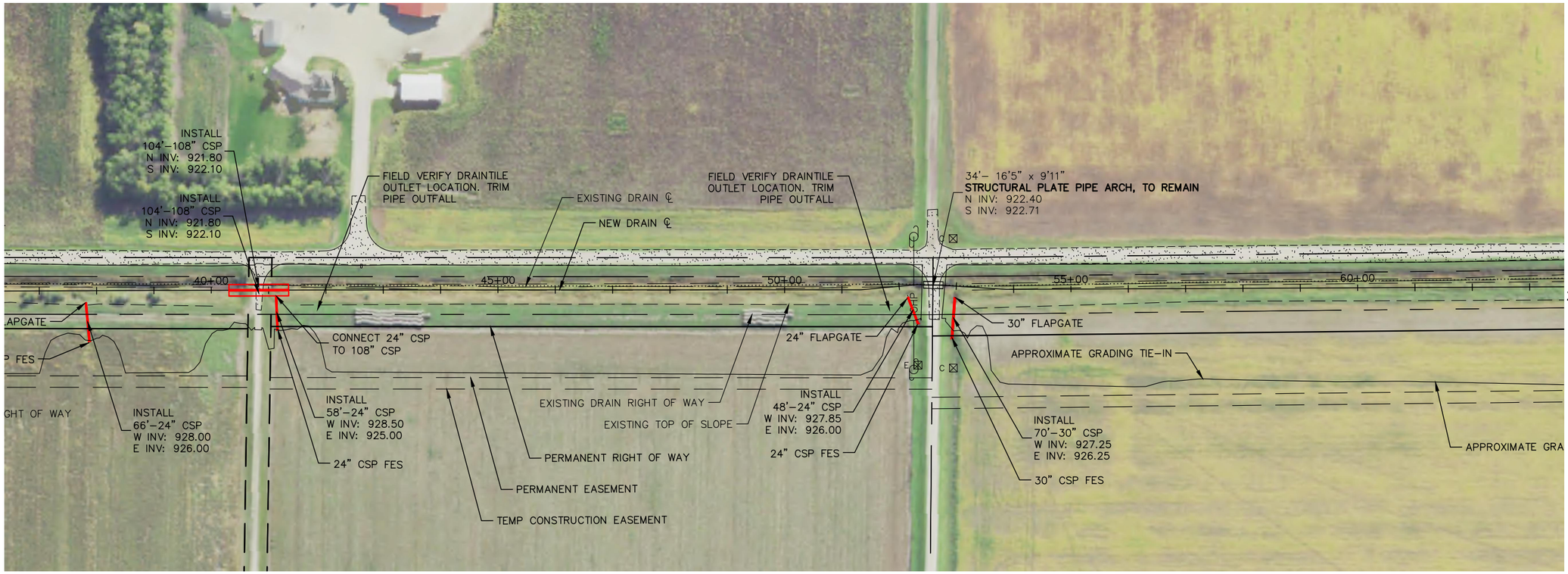
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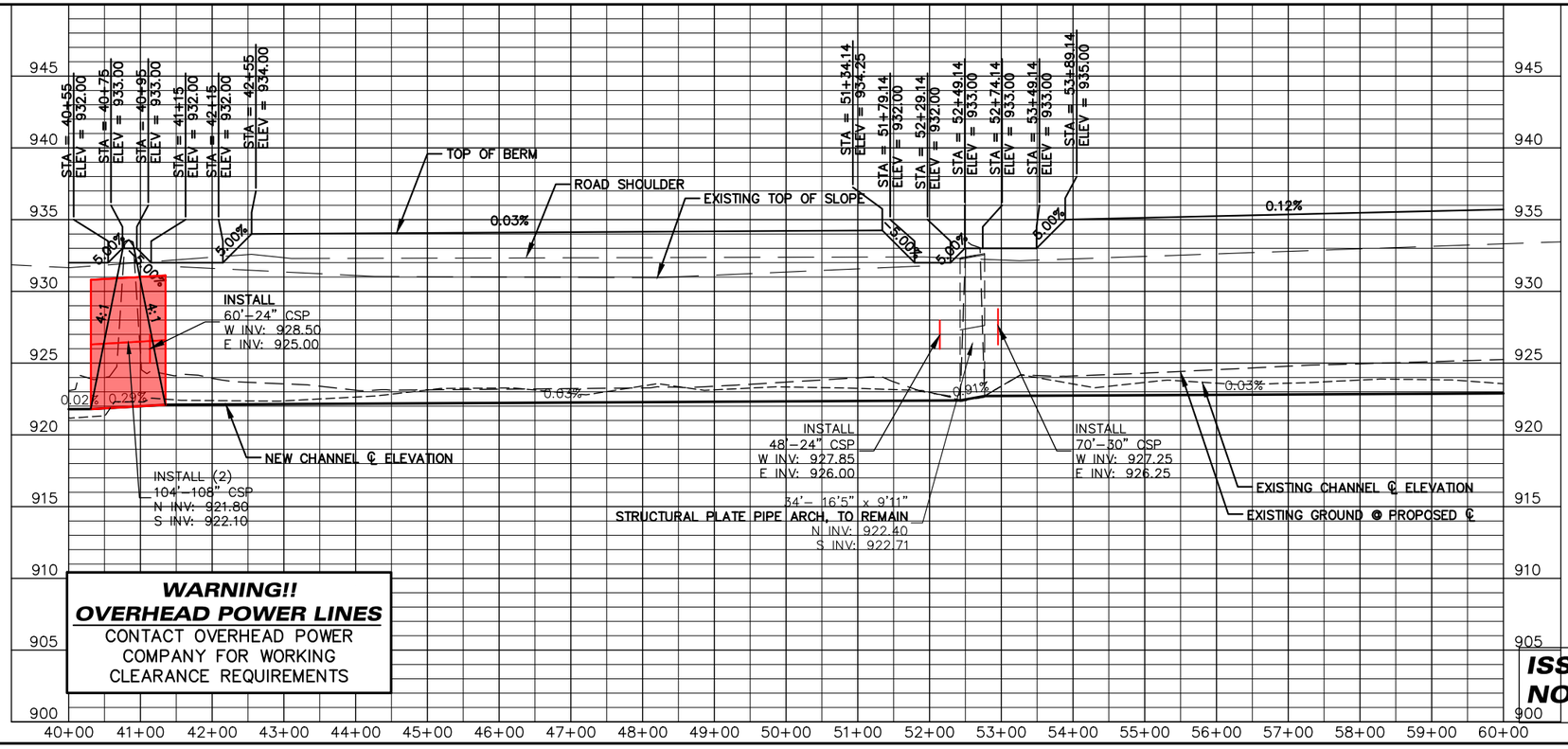
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**C-402**

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**WARNING!!**
**OVERHEAD POWER LINES**
CONTACT OVERHEAD POWER COMPANY FOR WORKING CLEARANCE REQUIREMENTS

**ISSUED FOR PERMITTING**
**NOT FOR CONSTRUCTION**

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
E-6087
DATE: 12.12.2025
NORTH DAKOTA

N E S W
0 200
Scale in Feet

moore engineering, inc.

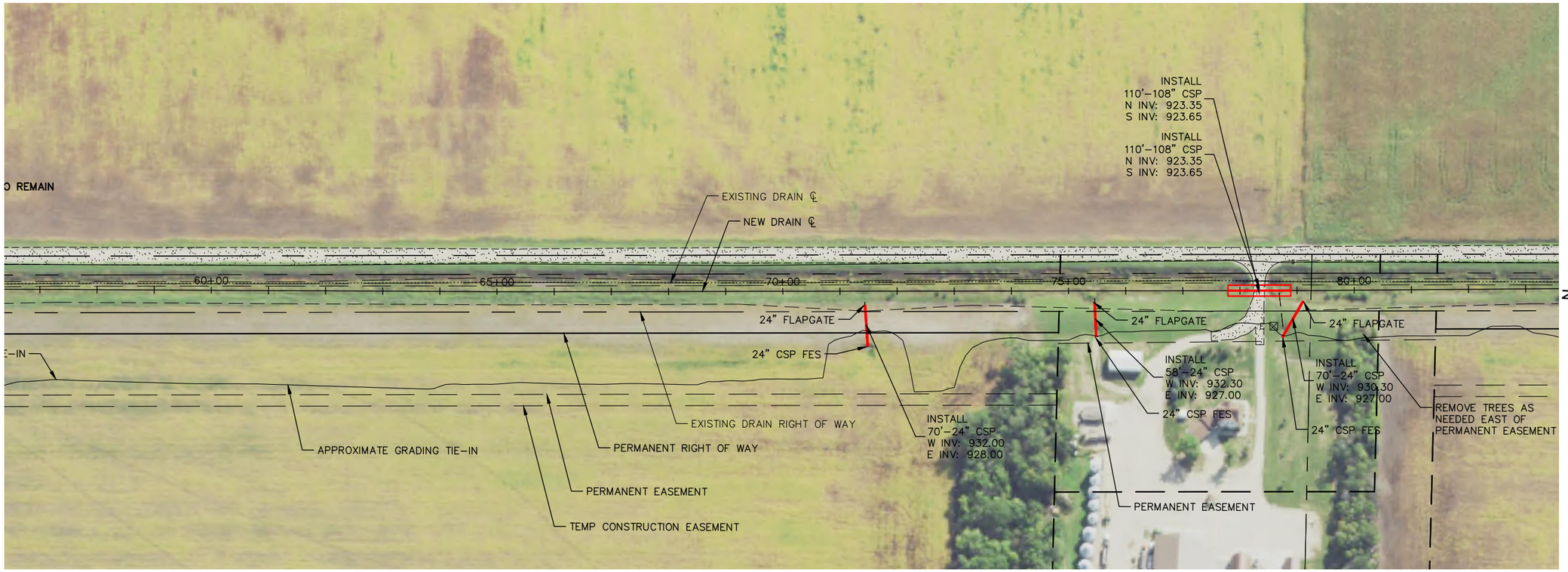
PLAN & PROFILE
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

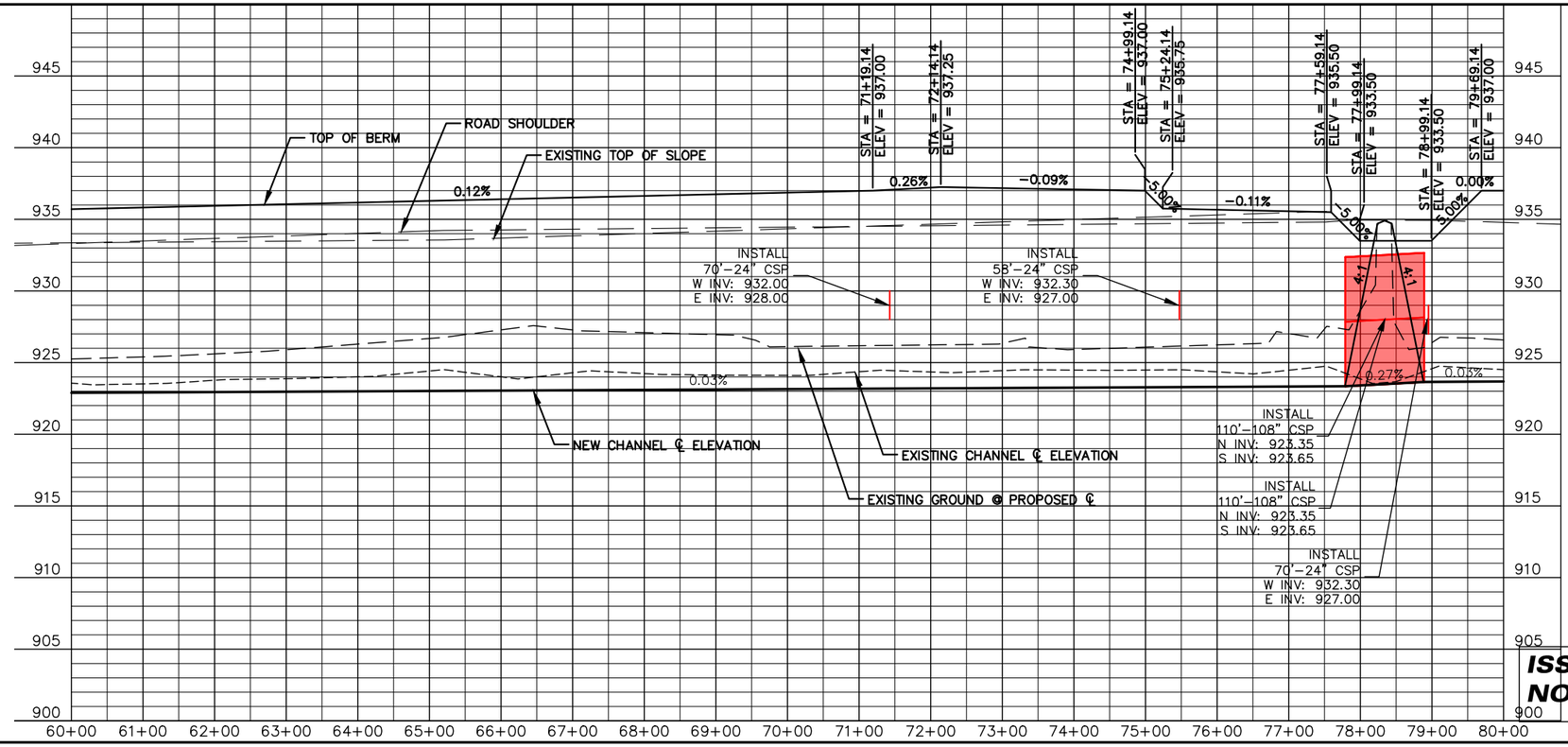
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**C-403**

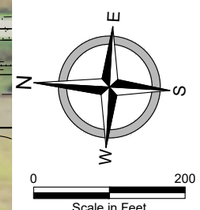
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REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
BRETT O. BAILLY
E-6087
DATE: 12.12.2025




moore engineering, inc.

PLAN & PROFILE
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

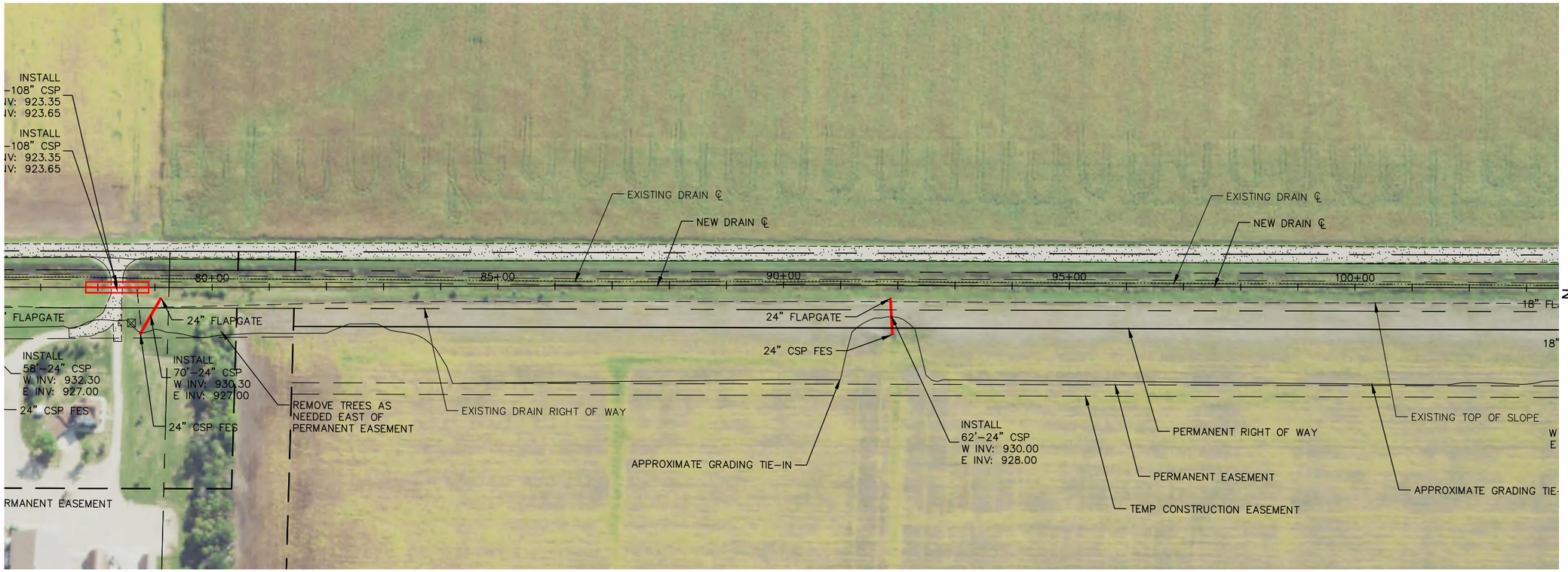
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| DATE: | 12.12.2025 |
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| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

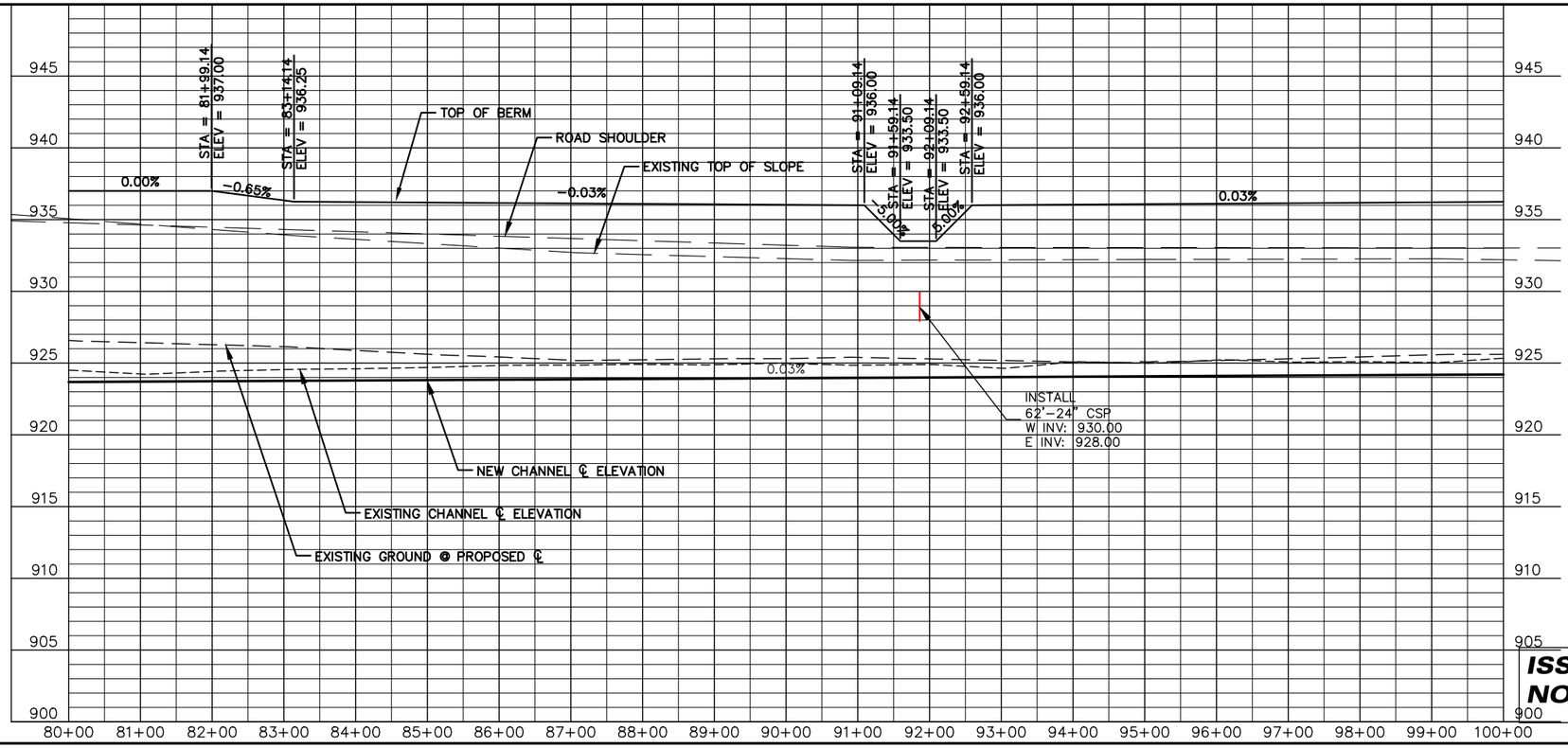
**C-404**

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

Docusign Envelope ID: B5D1925B-ACC3-431A-9065-6BE6F465AE0B

FILE LOCATION: R:\Projects\23000\23200\23239\CIVIL\PRODUCTION\23239_PP.dwg




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NORTH DAKOTA

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PLAN & PROFILE
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MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

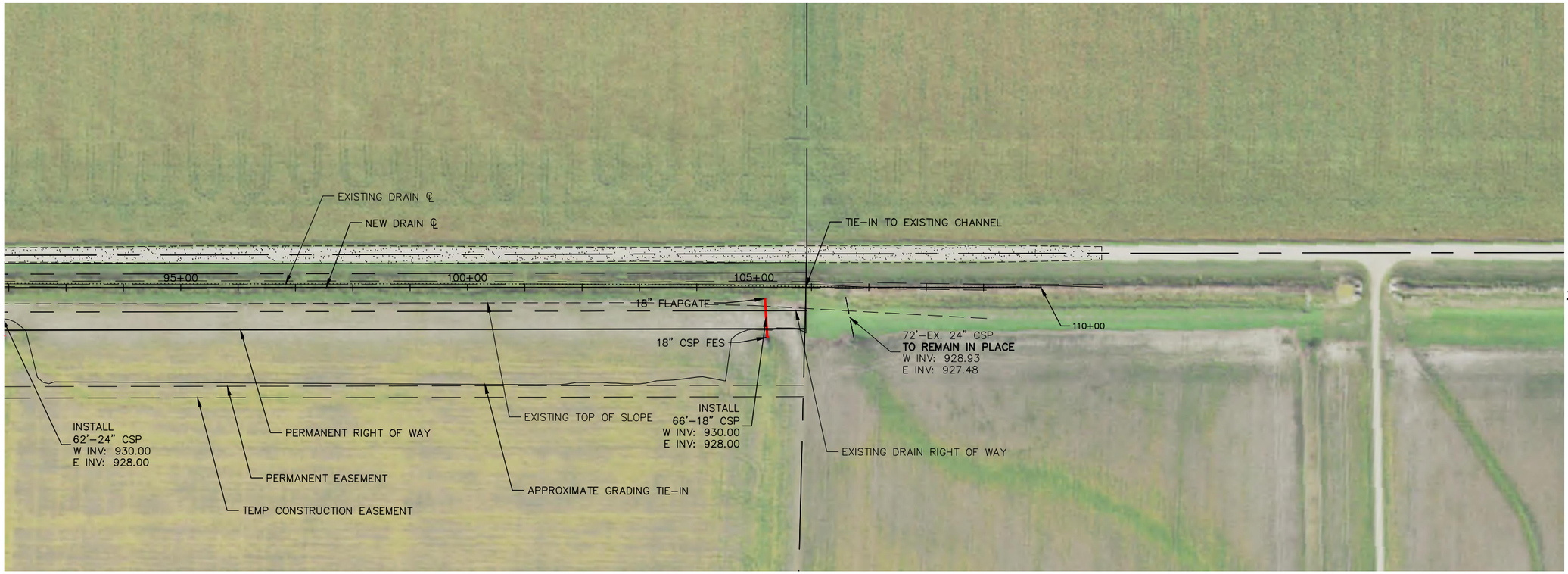
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| DRAFTER: | DWA |
| REVIEWER: | ARD |

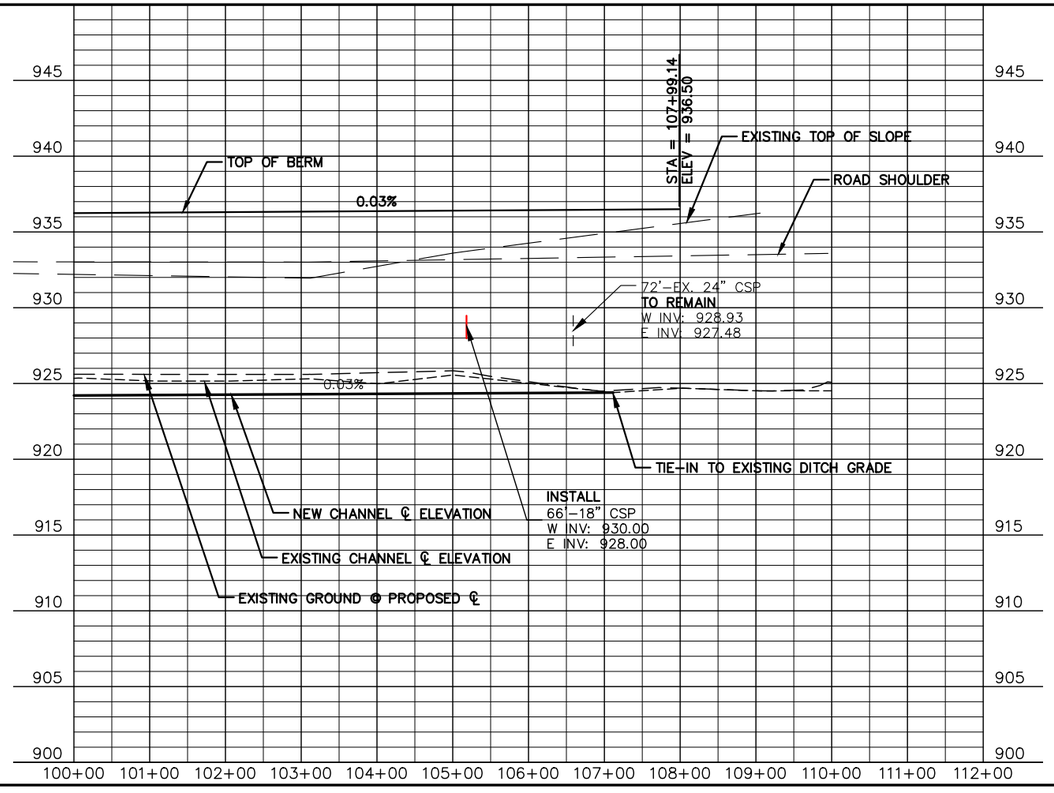
***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-405**

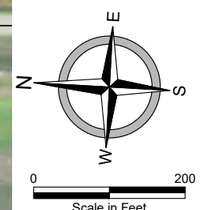
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FILE LOCATION: R:\Projects\23000\23200\23239\CIVIL\PRODUCTION\23239_PP.dwg




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PLAN & PROFILE
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MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**PLAN AND PROFILE**

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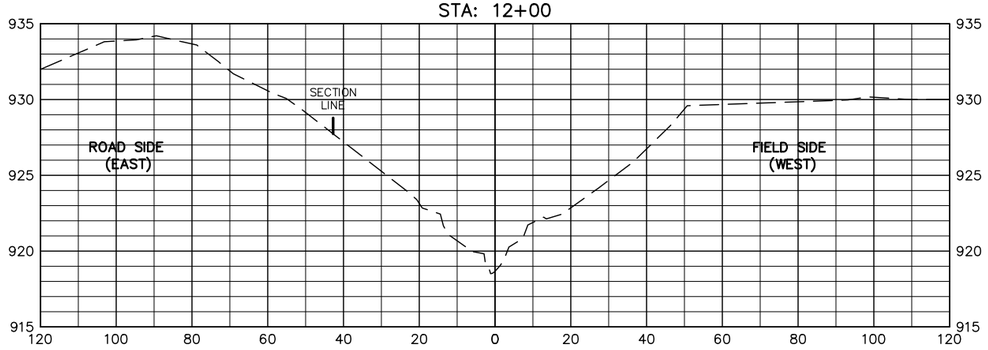
***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

**C-406**

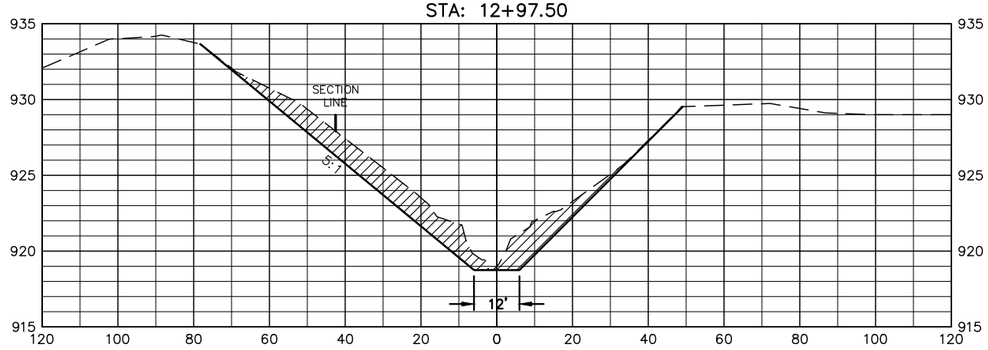
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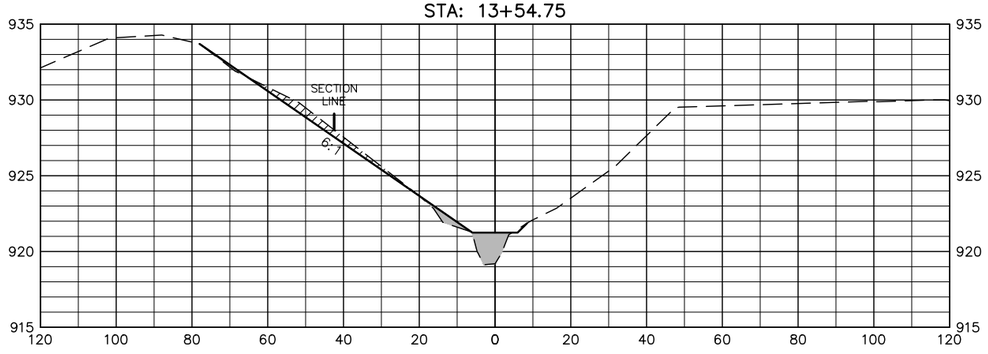
STA: 12+00



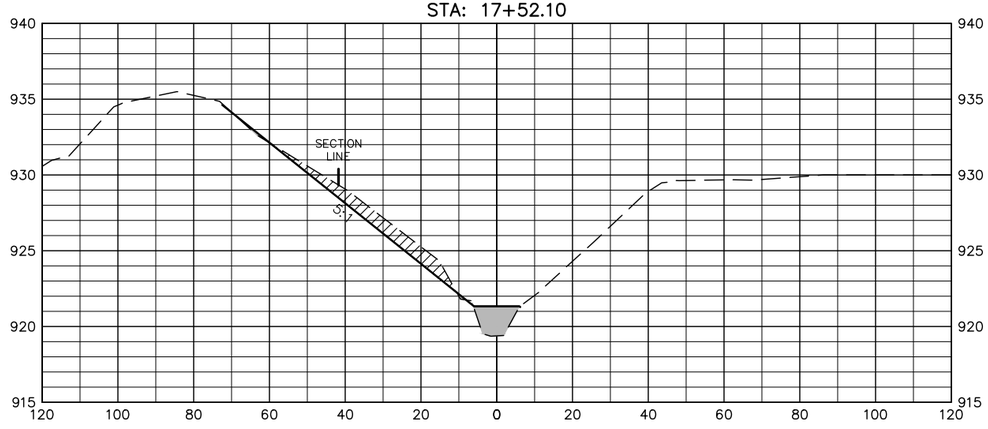

STA: 12+97.50




STA: 13+54.75




STA: 17+52.10




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MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

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| PROJECT No. | 23239 |
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| REVIEWER: | ARD |

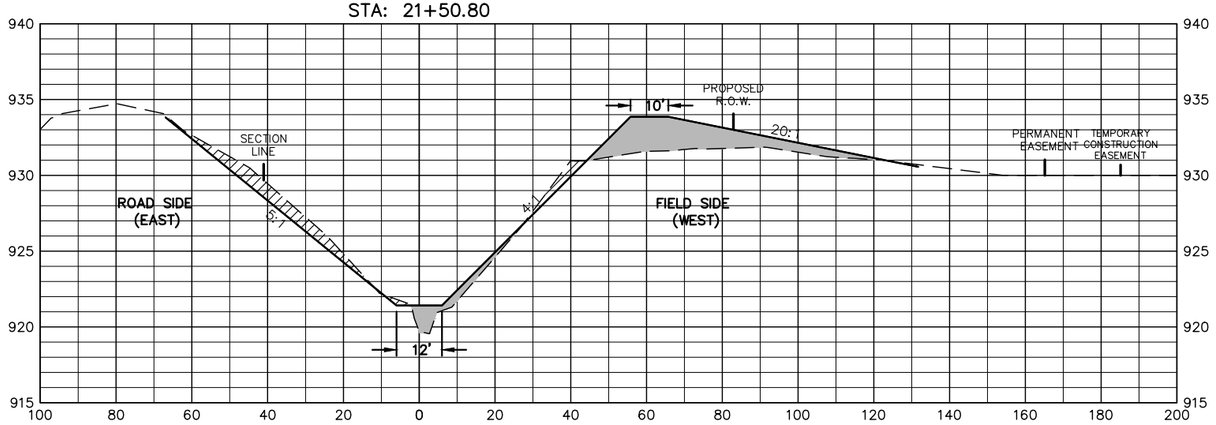
**C-801**

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

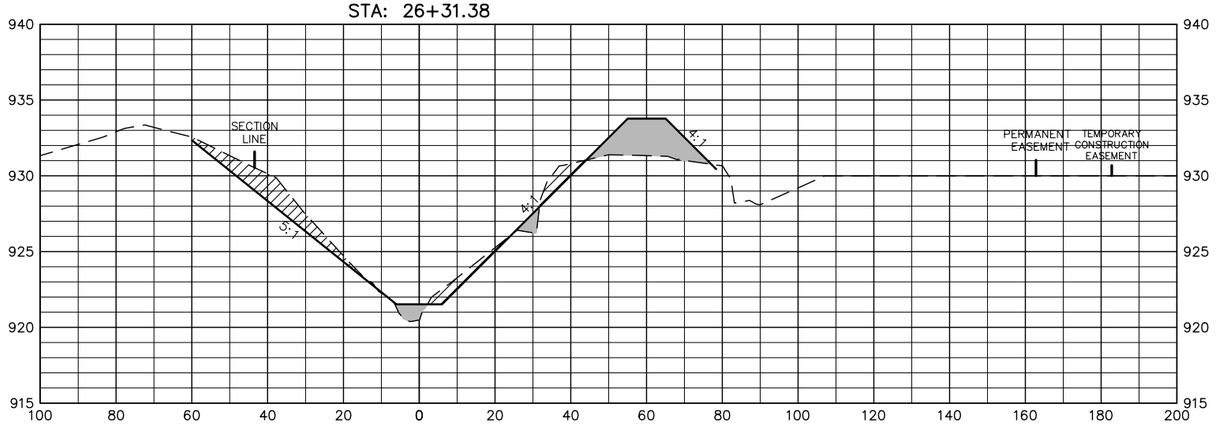
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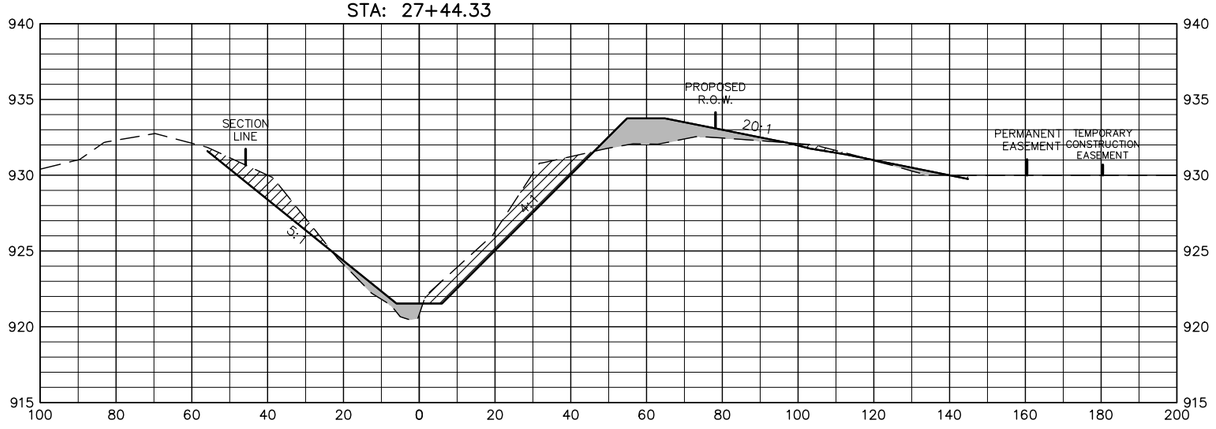
STA: 21+50.80




STA: 26+31.38




STA: 27+44.33




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**CROSS SECTIONS**

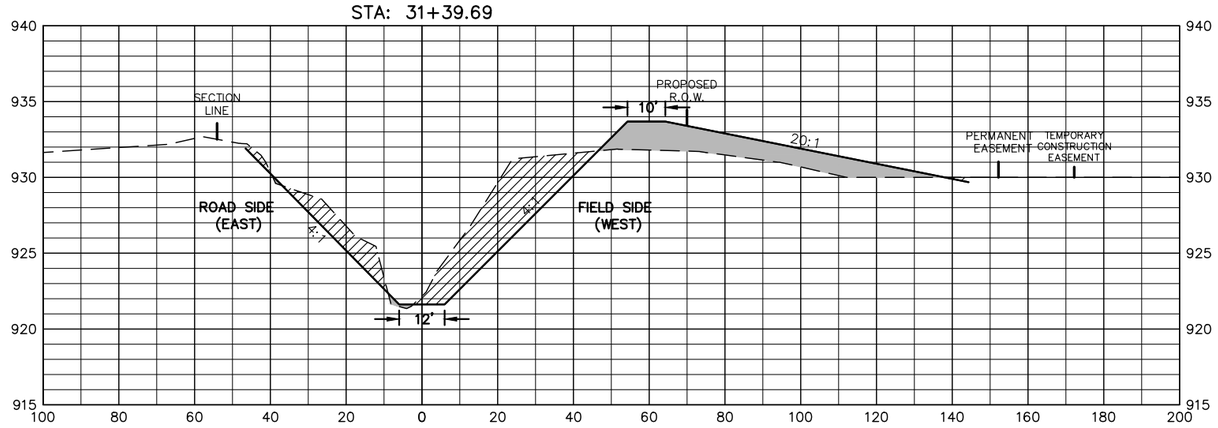
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| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

**C-802**

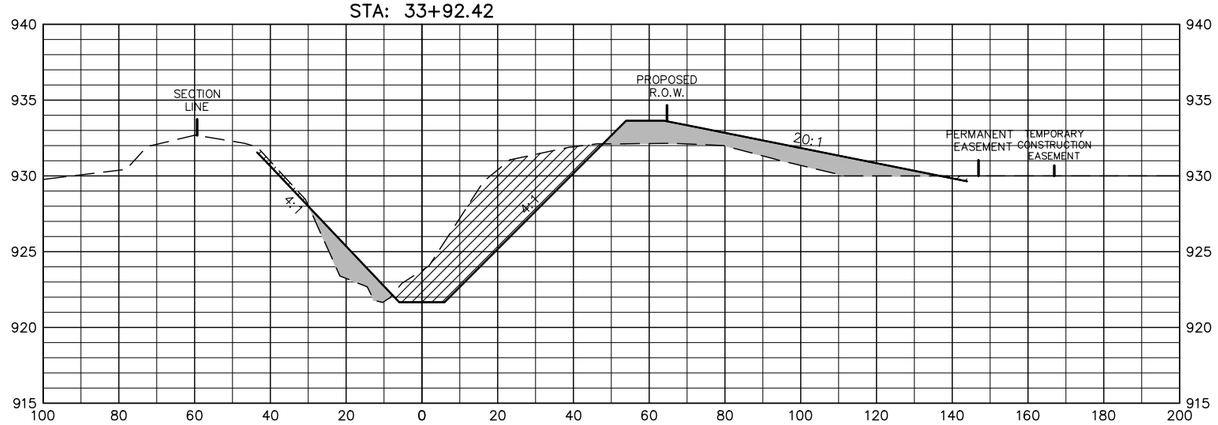
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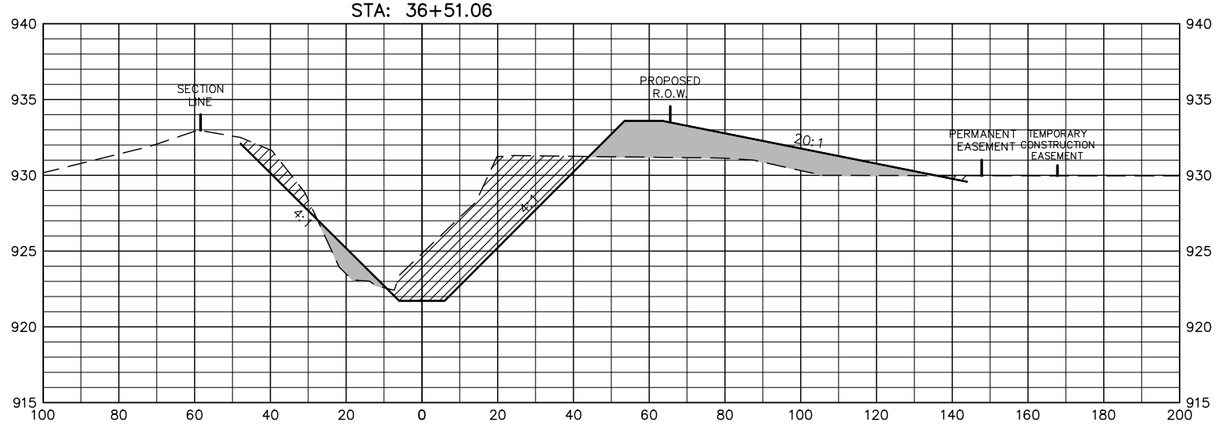
STA: 31+39.69




STA: 33+92.42




STA: 36+51.06




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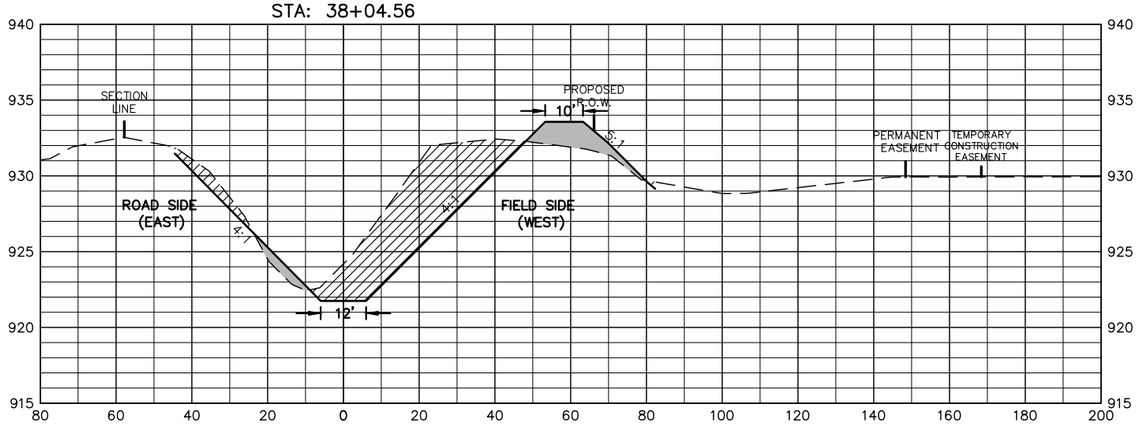
***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-803**

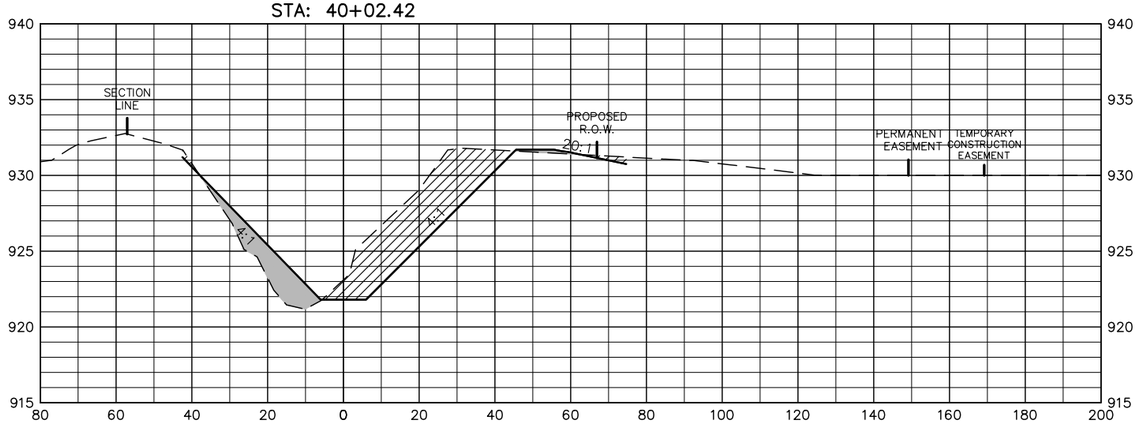
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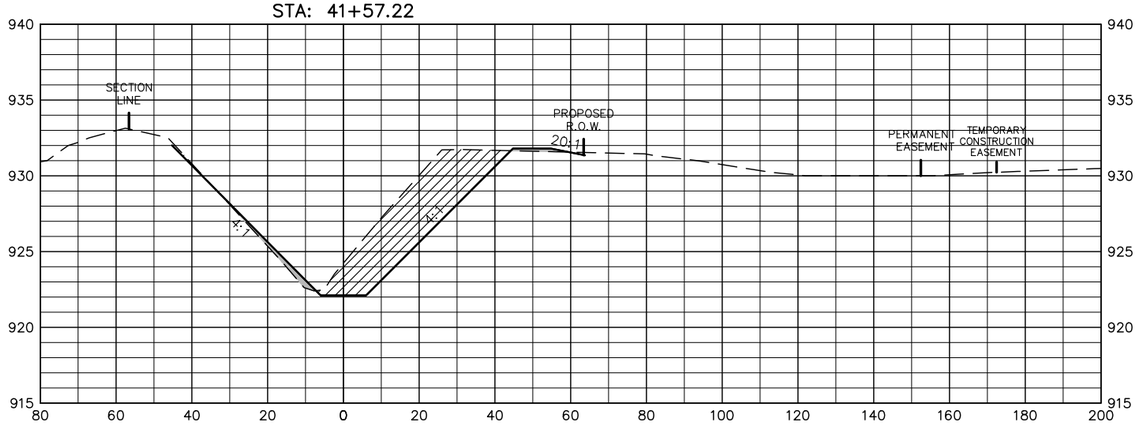
STA: 38+04.56




STA: 40+02.42




STA: 41+57.22




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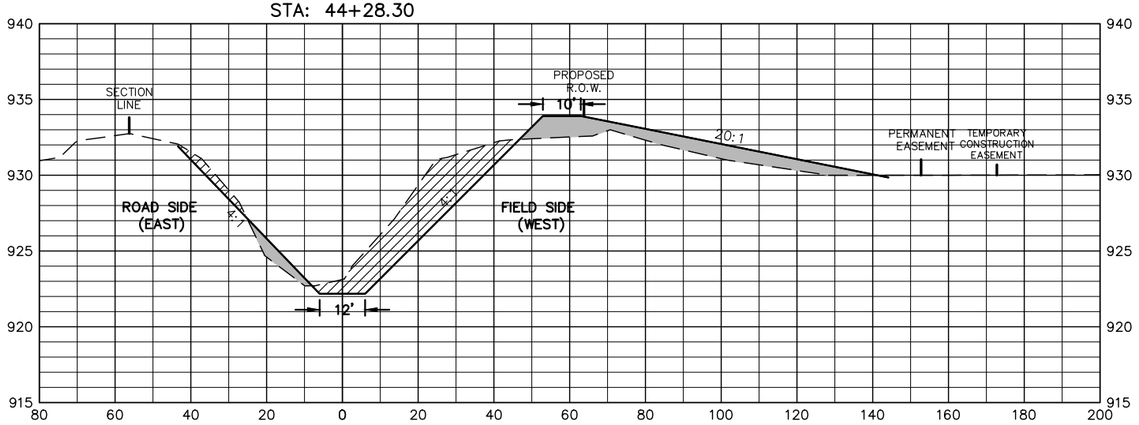
***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-804**

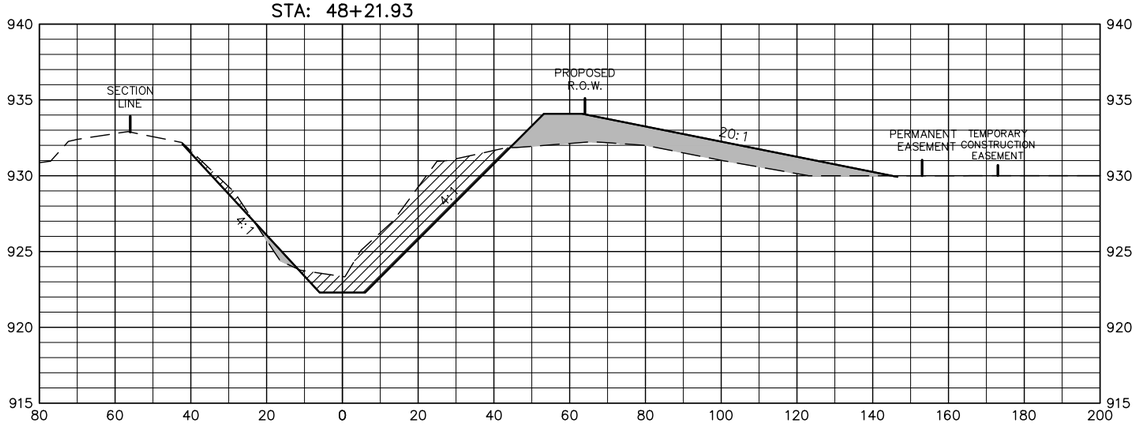
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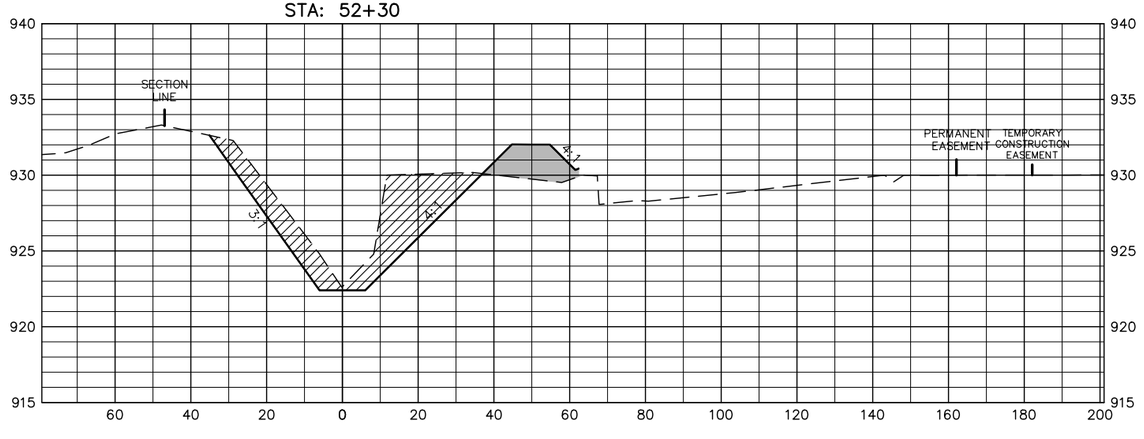
STA: 44+28.30




STA: 48+21.93




STA: 52+30




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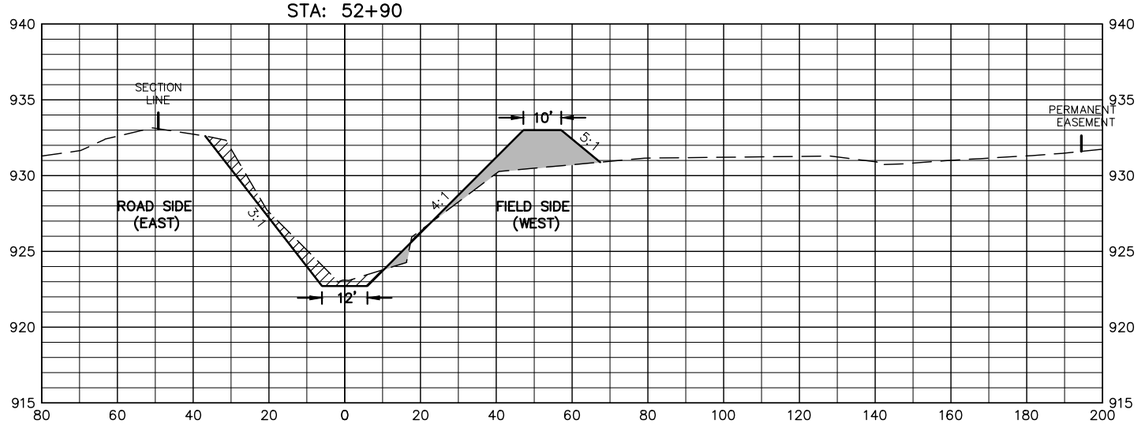
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***NOT FOR CONSTRUCTION***

**C-805**

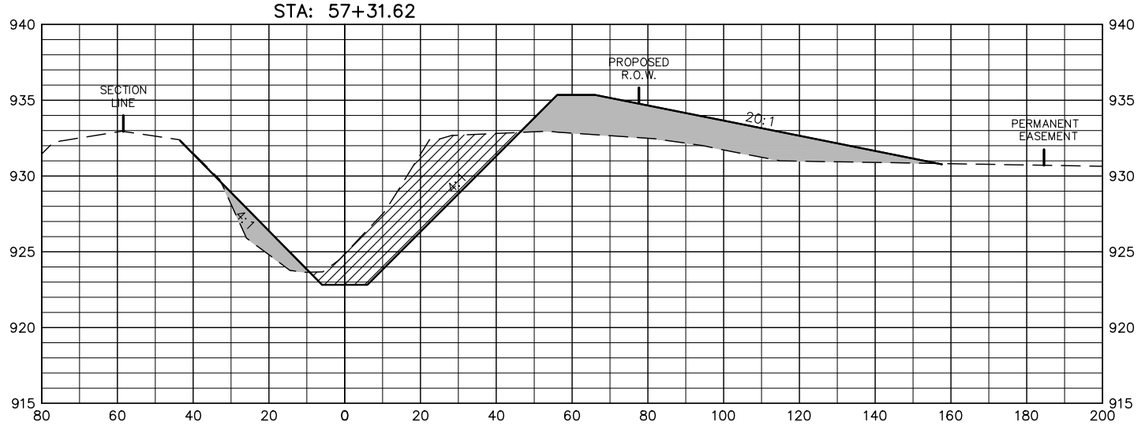
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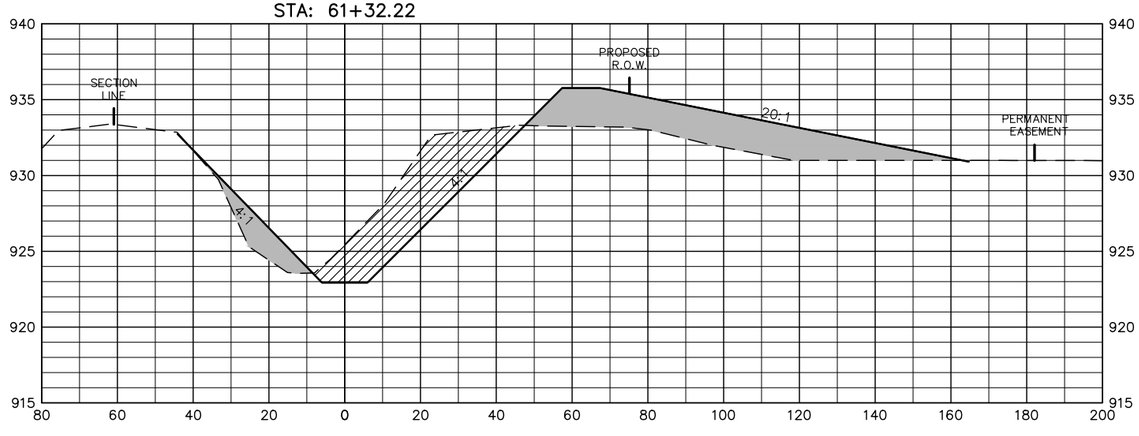
STA: 52+90




STA: 57+31.62




STA: 61+32.22




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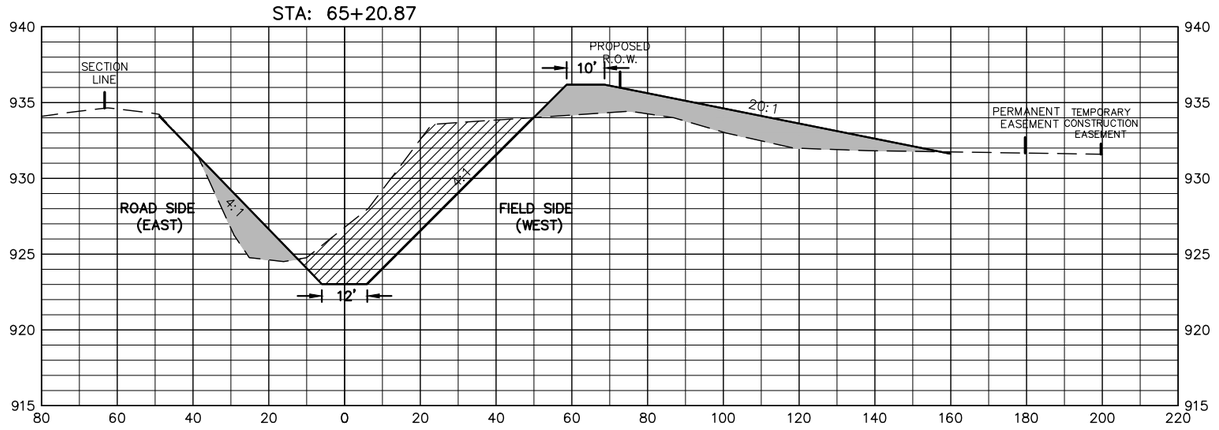
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**C-806**

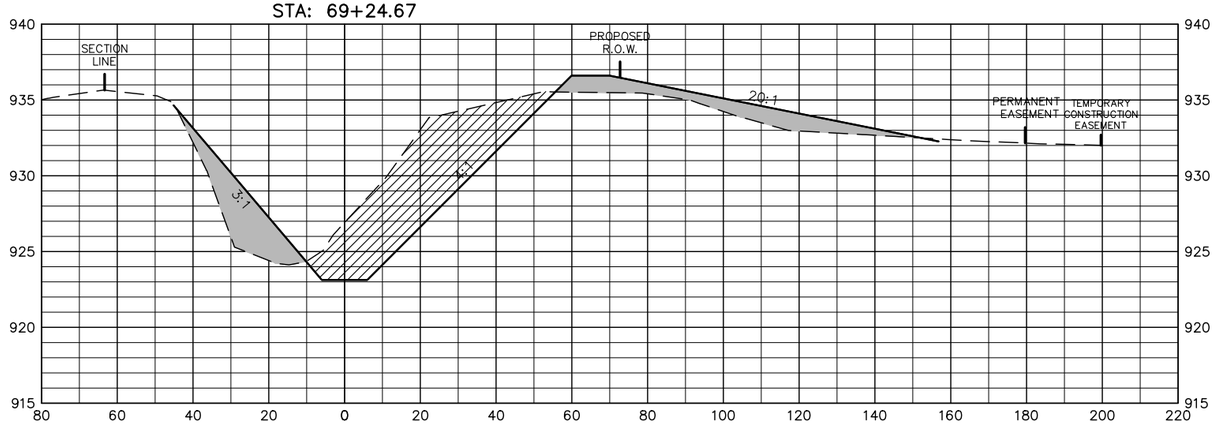
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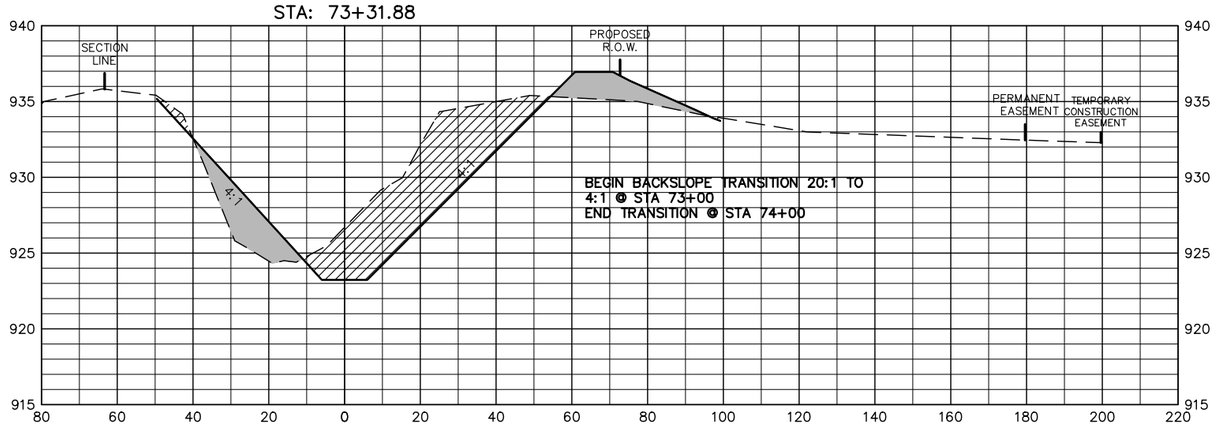
STA: 65+20.87




STA: 69+24.67




STA: 73+31.88




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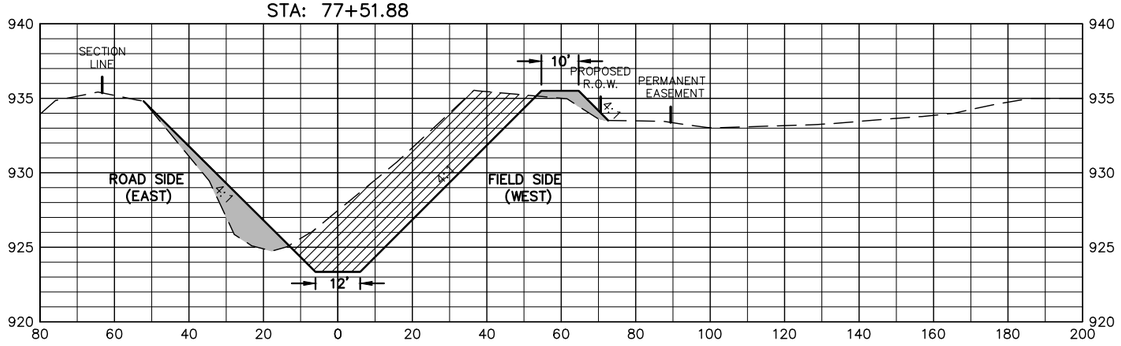
***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-807**

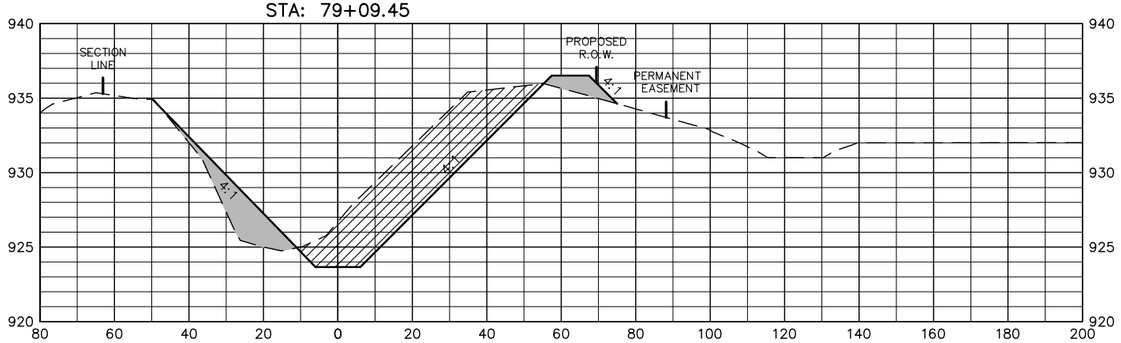
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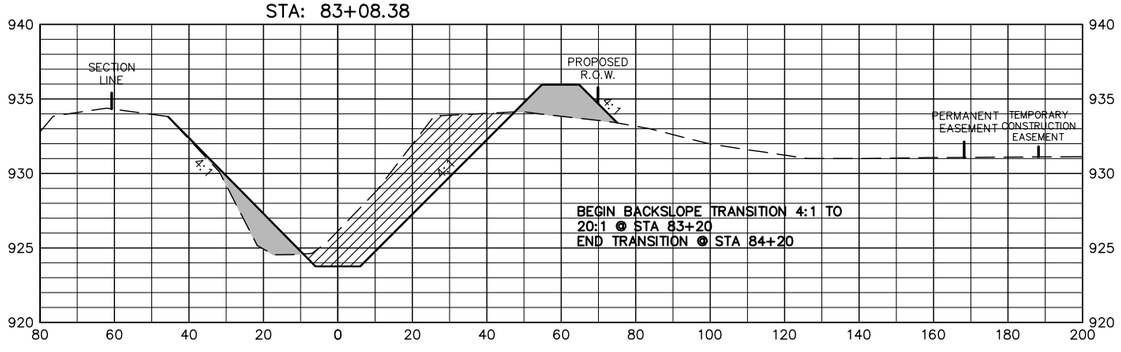
STA: 77+51.88




STA: 79+09.45




STA: 83+08.38




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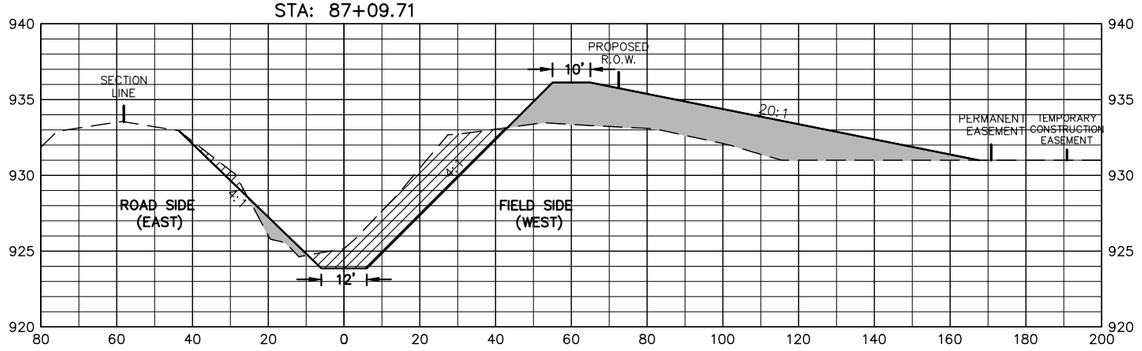
***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-808**

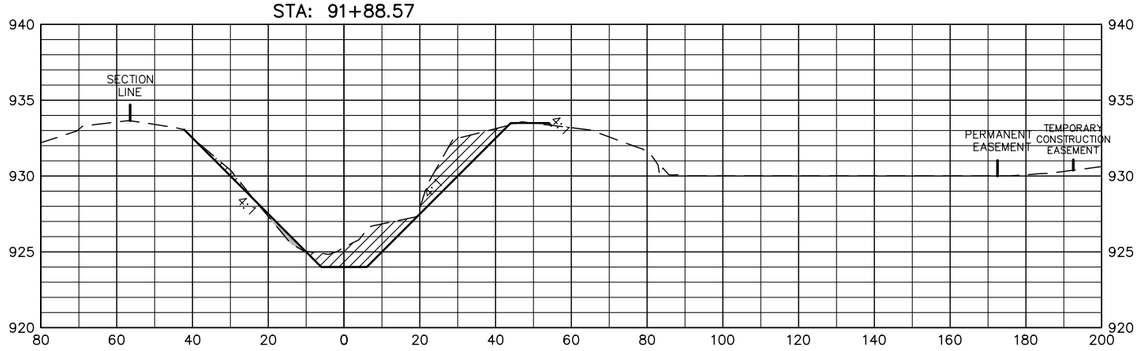
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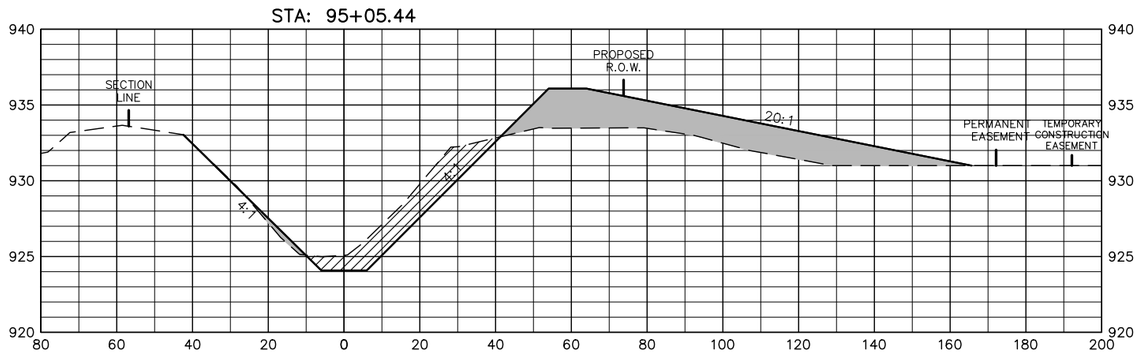
STA: 87+09.71




STA: 91+88.57




STA: 95+05.44




REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

| | |
|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

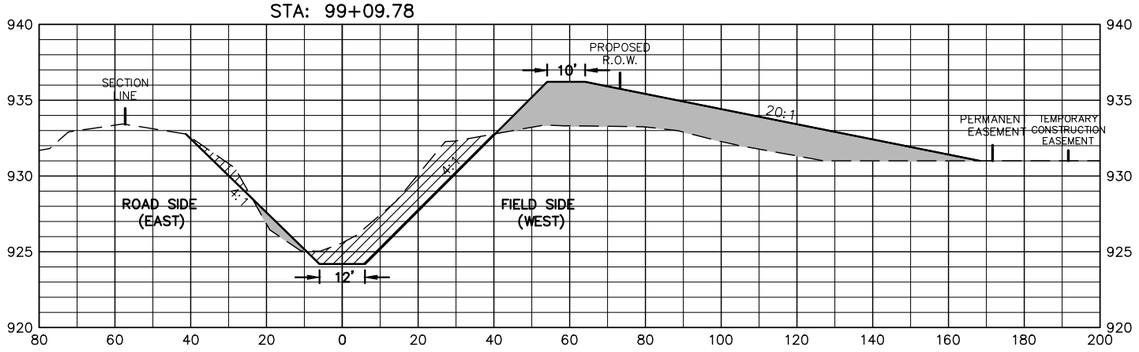
**C-809**

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

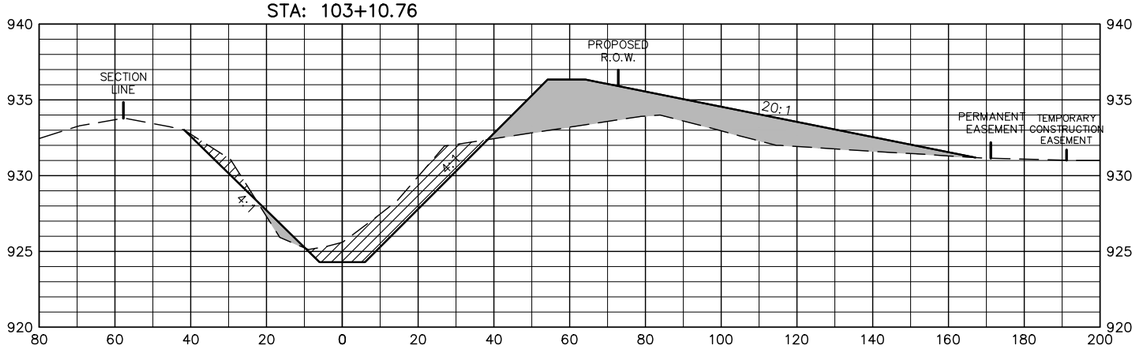
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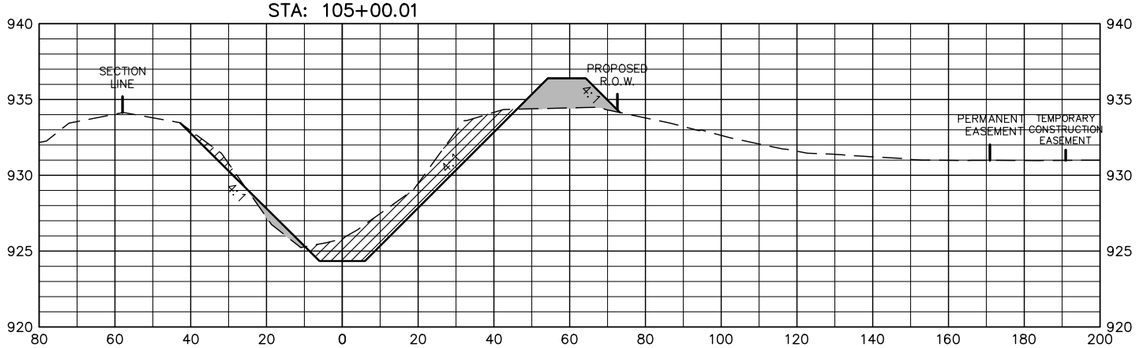
STA: 99+09.78




STA: 103+10.76




STA: 105+00.01




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025

moore engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

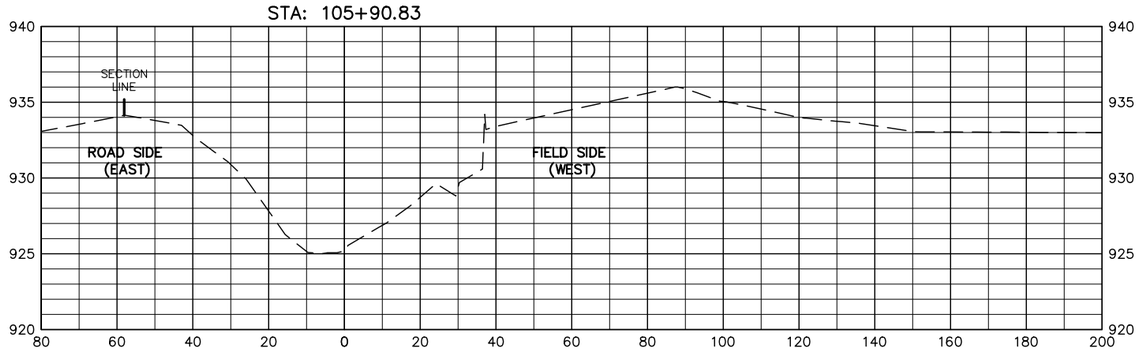
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| DATE: | 12.12.2025 |
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| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

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**C-810**

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REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 12.12.2025
NORTH DAKOTA

moore engineering, inc.

**EARTHWORK VOLUMES**

| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
|---|---|---|---|---|---|---|
| 12+00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12+97.50 | 138.73 | 0.00 | 250.49 | 0.00 | 250.49 | 0.00 |
| 13+54.75 | 15.39 | 19.48 | 163.39 | 20.65 | 413.88 | 20.65 |
| 17+52.10 | 38.46 | 18.11 | 396.24 | 276.57 | 810.12 | 297.22 |
| 21+50.80 | 48.99 | 107.29 | 645.66 | 925.84 | 1455.79 | 1223.06 |
| 26+31.38 | 67.40 | 63.67 | 1036.85 | 1517.32 | 2492.64 | 2740.39 |
| 27+44.33 | 101.24 | 59.70 | 352.75 | 258.06 | 2845.39 | 2998.44 |
| 31+39.69 | 180.36 | 110.33 | 2061.72 | 1244.88 | 4907.11 | 4243.32 |
| 33+92.42 | 182.32 | 118.56 | 1697.37 | 1071.21 | 6604.48 | 5314.53 |
| 36+51.06 | 202.32 | 146.16 | 1844.95 | 1275.87 | 8449.43 | 6590.40 |
| 38+04.56 | 212.26 | 41.50 | 1178.47 | 533.46 | 9627.90 | 7123.86 |
| 40+02.42 | 150.11 | 48.87 | 1327.78 | 331.16 | 10955.68 | 7455.02 |
| 41+57.22 | 154.94 | 9.00 | 874.46 | 165.90 | 11830.14 | 7620.92 |
| 44+28.30 | 136.25 | 90.09 | 1461.80 | 497.45 | 13291.94 | 8118.37 |
| 48+21.93 | 126.77 | 123.07 | 1917.27 | 1553.83 | 15209.21 | 9672.20 |
| 52+30 | 165.76 | 41.92 | 2215.25 | 1267.45 | 17424.46 | 10939.64 |
| 52+90 | 36.09 | 62.06 | 223.59 | 101.08 | 17648.05 | 11040.73 |
| 57+31.62 | 165.16 | 206.86 | 1649.06 | 2222.91 | 19297.12 | 13263.64 |
| 61+32.22 | 178.34 | 241.85 | 2548.31 | 3328.77 | 21845.43 | 16592.41 |
| 65+20.87 | 232.39 | 184.31 | 2956.18 | 3067.14 | 24801.60 | 19659.55 |

**EARTHWORK VOLUMES**

| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
|---|---|---|---|---|---|---|
| 69+24.67 | 258.55 | 155.65 | 3671.12 | 2542.05 | 28472.72 | 22201.60 |
| 73+31.88 | 246.26 | 104.73 | 3806.68 | 1963.46 | 32279.40 | 24165.07 |
| 77+51.88 | 246.16 | 59.53 | 3829.96 | 1277.60 | 36109.35 | 25442.67 |
| 79+09.45 | 221.46 | 69.27 | 1364.45 | 375.82 | 37473.80 | 25818.49 |
| 83+08.38 | 173.55 | 73.83 | 2918.25 | 1057.20 | 40392.06 | 26875.69 |
| 87+09.71 | 118.55 | 242.28 | 2170.85 | 2349.32 | 42562.90 | 29225.01 |
| 91+88.57 | 75.39 | 3.52 | 1719.81 | 2179.79 | 44282.71 | 31404.79 |
| 95+05.44 | 81.66 | 204.26 | 921.51 | 1219.22 | 45204.22 | 32624.02 |
| 99+09.78 | 95.33 | 237.59 | 1325.26 | 3308.47 | 46529.49 | 35932.49 |
| 103+10.76 | 88.66 | 202.62 | 1366.23 | 3268.77 | 47895.72 | 39201.26 |
| 105+00.01 | 101.13 | 42.59 | 665.11 | 859.35 | 48560.83 | 40060.61 |
| 105+90.83 | 0.00 | 0.00 | 170.08 | 71.63 | 48730.91 | 40132.25 |

***ISSUED FOR PERMITTING***
***NOT FOR CONSTRUCTION***

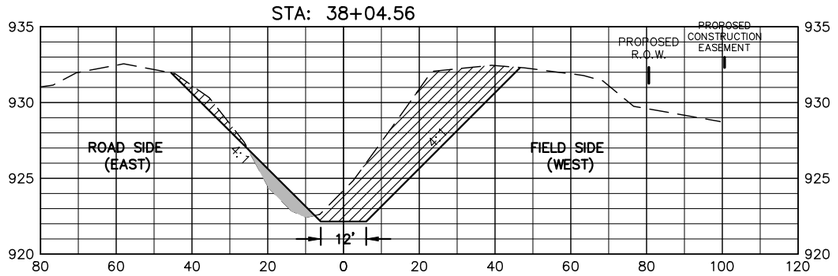
CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

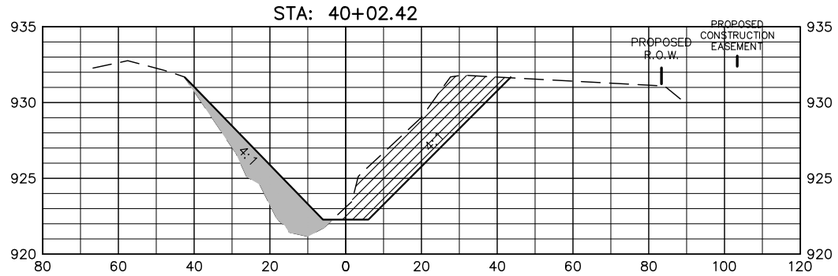
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|---|---|
| DATE: | 12.12.2025 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | ARD |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

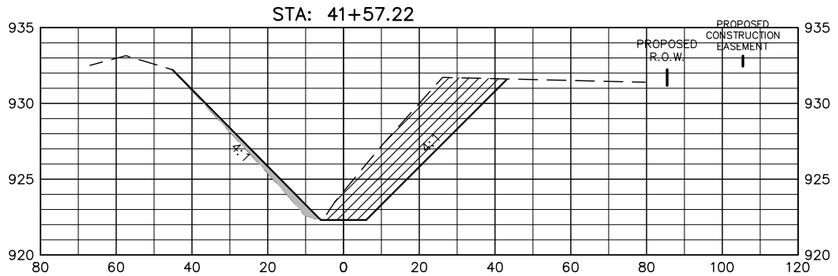
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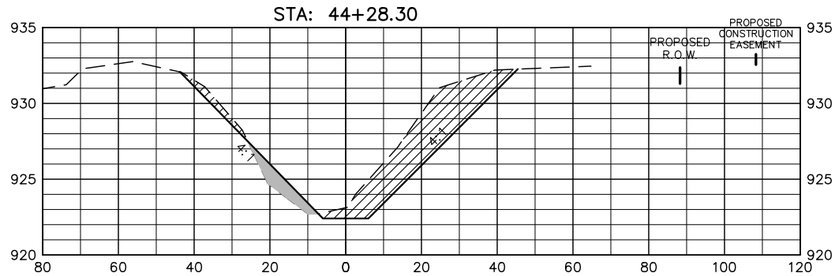
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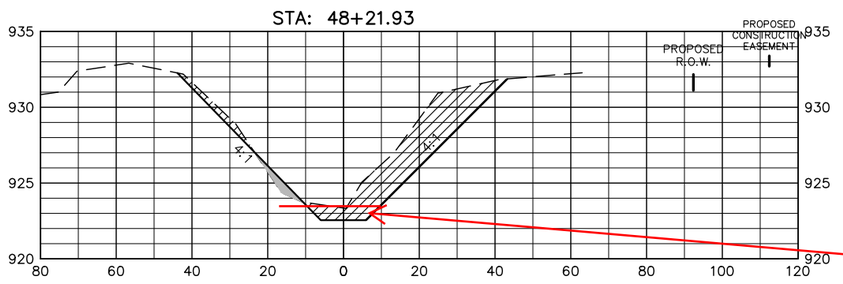
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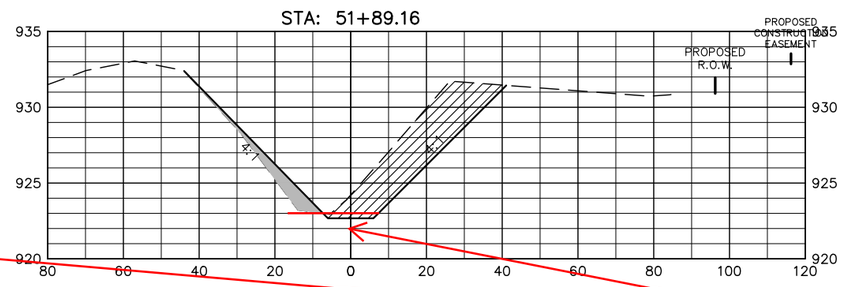


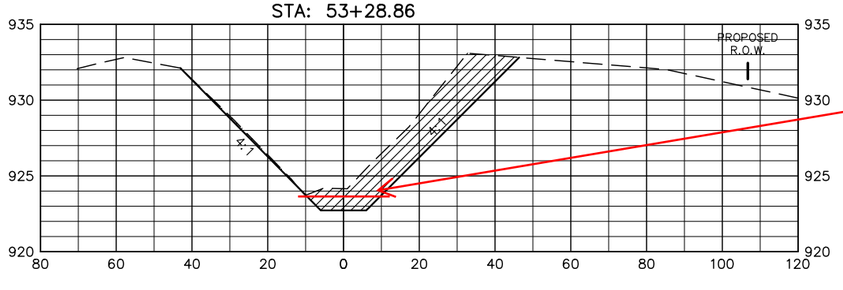



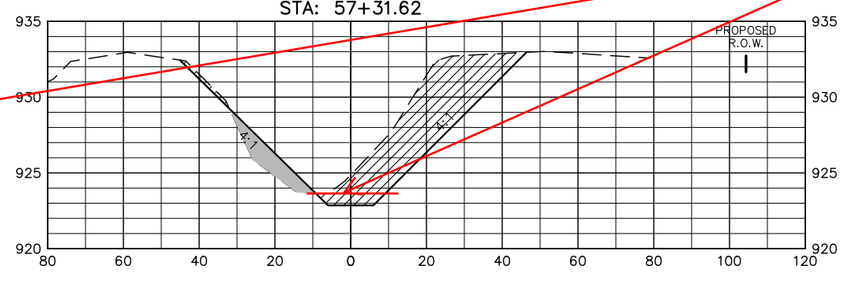




Sediment Analysis
Number of pages: 4

Length = 106+36 - 48+22 = 5,814 ft
Avg Depth = 1 ft
Area = (((12+20)/2)*1) = 16 sf
Volume = 16*5814 = 93,024 cf = 3445 cy

Area of sediment removal

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 02-28-2024
NORTH DAKOTA

moore engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

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| DATE: | 02-28-2024 |
| REV DATE: | ---- |
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| PROJECT No. | 23239 |
| MANAGER: | KRL |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

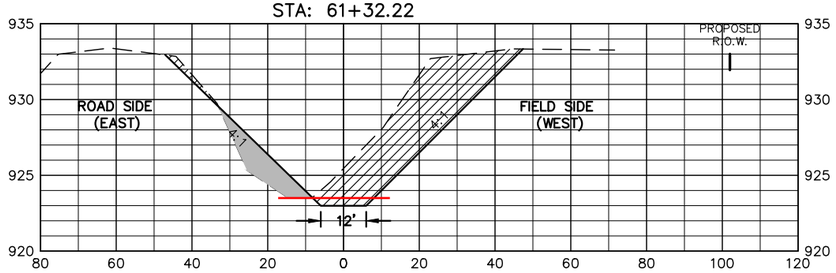
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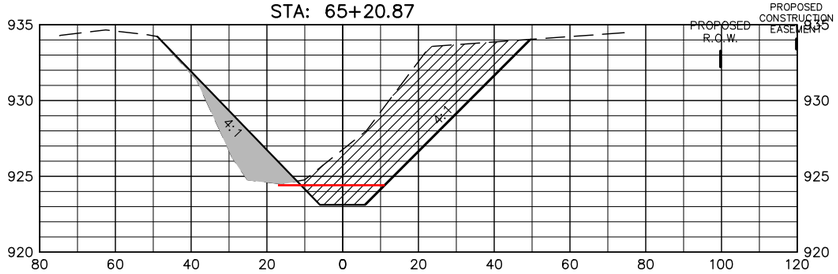
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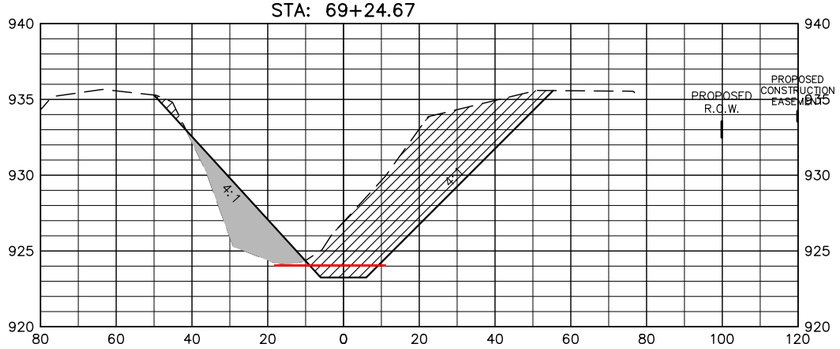
STA: 61+32.22



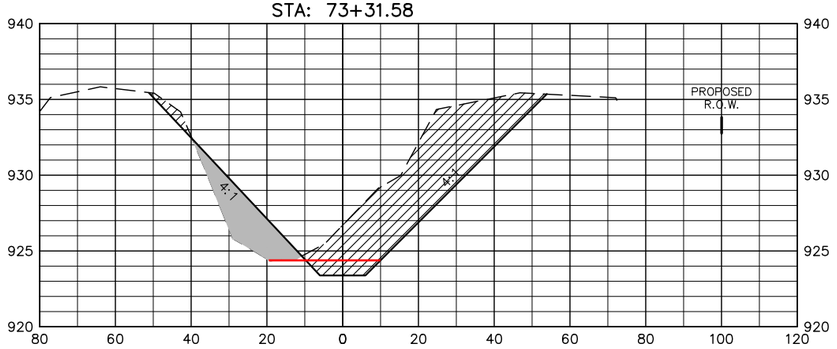

STA: 65+20.87



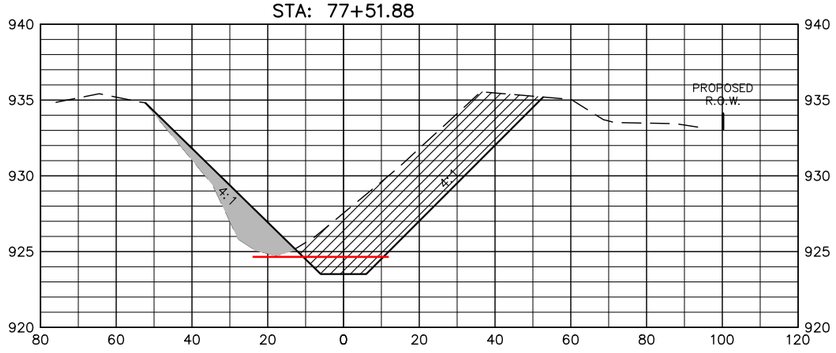

STA: 69+24.67



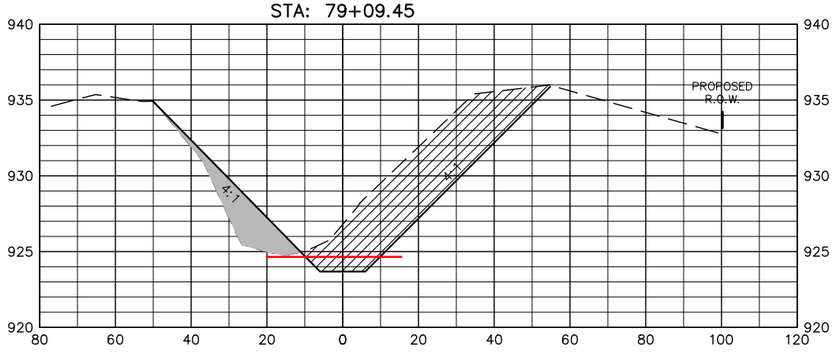

STA: 73+31.58




STA: 77+51.88




STA: 79+09.45




REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
DATE: 02-28-2024
NORTH DAKOTA

moore
engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

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| PROJECT No. | 23239 |
| MANAGER: | KRL |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

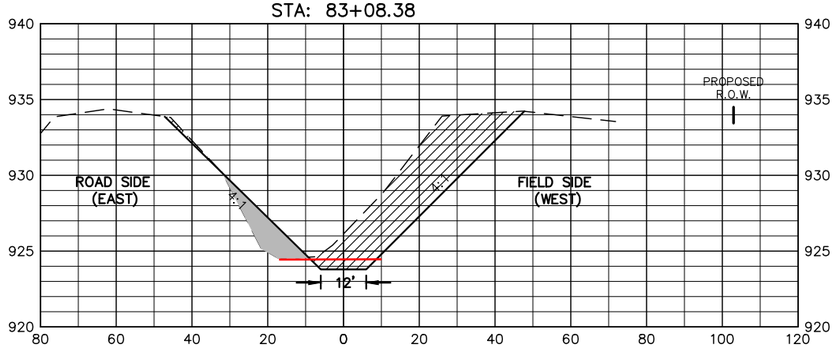
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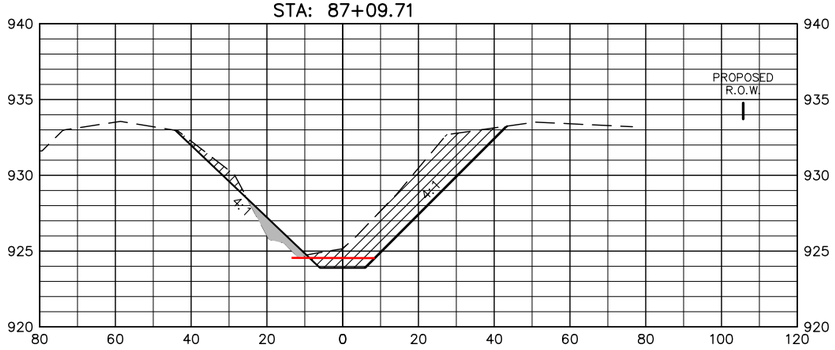
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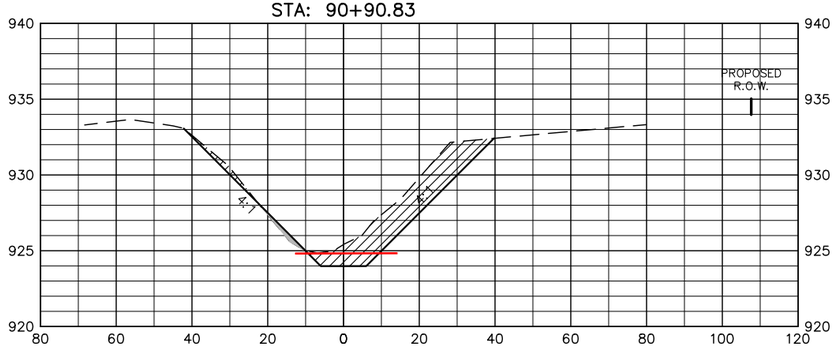
STA: 83+08.38



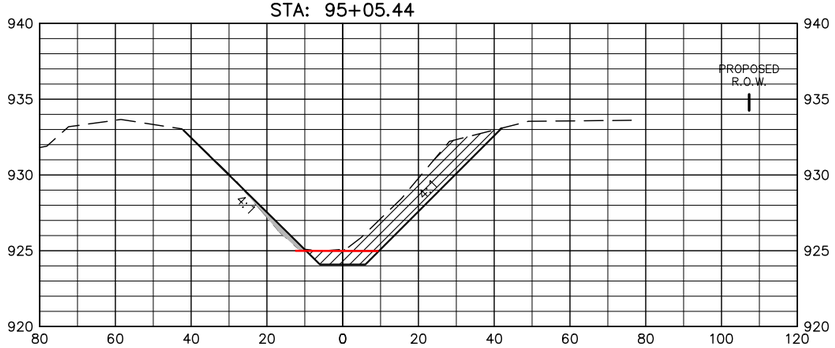

STA: 87+09.71



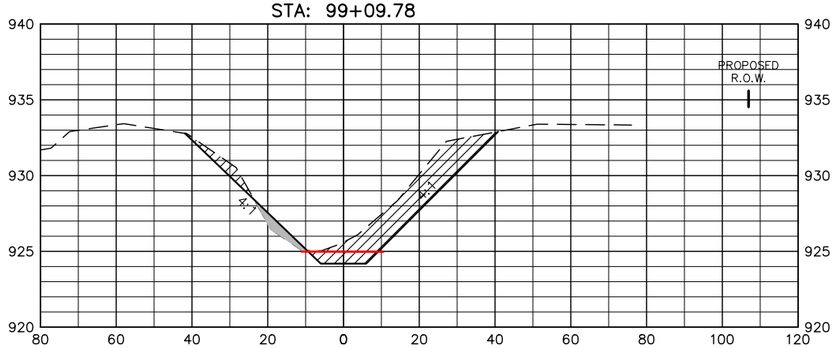

STA: 90+90.83



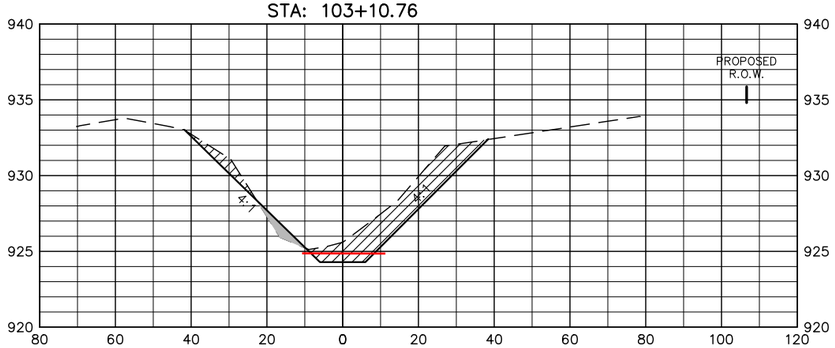

STA: 95+05.44




STA: 99+09.78




STA: 103+10.76




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
BRETT O. BAILLY
PE-6087
DATE: 02-28-2024

moore engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

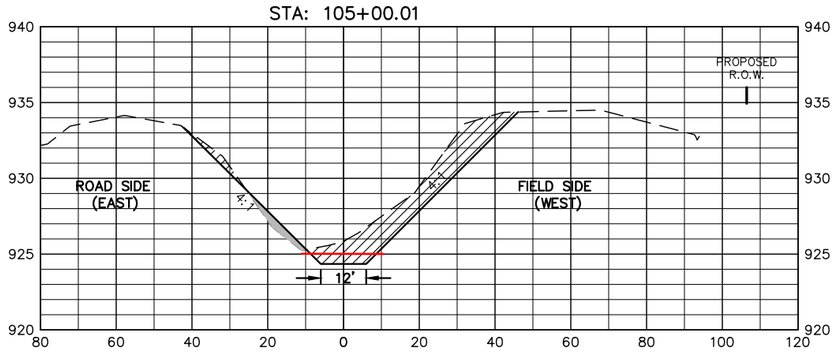
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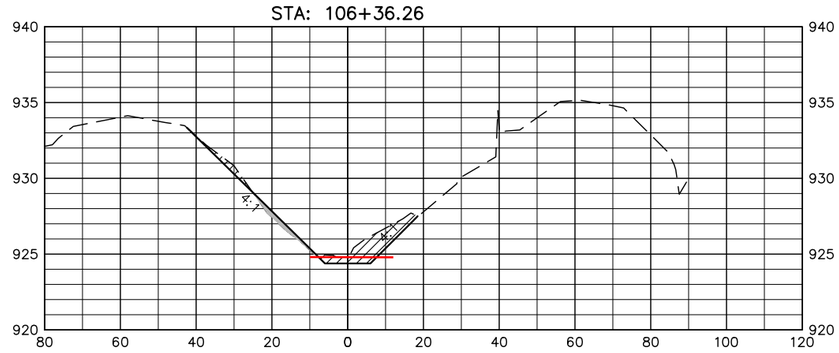
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**C-805**

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**EARTHWORK VOLUMES**

| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
|---|---|---|---|---|---|---|
| 2+81.39 | 40.56 | 41.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3+10.49 | 12.70 | 47.23 | 28.70 | 47.96 | 28.70 | 47.96 |
| 5+50.42 | 9.75 | 54.84 | 99.73 | 453.51 | 128.43 | 501.47 |
| 9+50.37 | 60.75 | 15.08 | 522.13 | 517.87 | 650.56 | 1019.34 |
| 13+54.75 | 43.68 | 9.07 | 782.01 | 180.90 | 1432.57 | 1200.24 |
| 17+52.10 | 54.52 | 12.57 | 722.58 | 159.23 | 2155.15 | 1359.47 |
| 21+50.80 | 45.92 | 11.82 | 741.56 | 180.06 | 2896.72 | 1539.53 |
| 25+51 | 94.72 | 6.23 | 1043.46 | 133.78 | 3940.18 | 1673.31 |
| 27+44.33 | 100.35 | 12.02 | 698.42 | 65.34 | 4638.60 | 1738.66 |
| 31+39.69 | 166.92 | 3.90 | 1956.82 | 116.51 | 6595.41 | 1855.17 |
| 33+92.42 | 183.44 | 27.02 | 1639.72 | 144.67 | 8235.14 | 1999.84 |
| 36+51.06 | 176.58 | 24.69 | 1726.50 | 247.22 | 9961.63 | 2247.07 |
| 38+04.56 | 184.64 | 14.85 | 1026.81 | 112.41 | 10988.44 | 2359.47 |
| 40+02.42 | 122.53 | 63.22 | 1125.52 | 286.08 | 12113.96 | 2645.56 |
| 41+57.22 | 141.14 | 12.54 | 755.84 | 217.19 | 12869.80 | 2862.75 |
| 44+28.30 | 122.70 | 16.04 | 1324.51 | 143.51 | 14194.31 | 3006.26 |
| 48+21.93 | 116.60 | 5.43 | 1744.33 | 156.56 | 15938.64 | 3162.83 |

**EARTHWORK VOLUMES**

| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
|---|---|---|---|---|---|---|
| 51+89.16 | 122.26 | 20.02 | 1624.42 | 173.08 | 17563.07 | 3335.91 |
| 53+28.86 | 131.88 | 0.08 | 657.50 | 52.01 | 18220.56 | 3387.92 |
| 57+31.62 | 168.16 | 25.93 | 2237.79 | 194.05 | 20458.35 | 3581.97 |
| 61+32.22 | 180.56 | 34.90 | 2587.02 | 451.29 | 23045.37 | 4033.26 |
| 65+20.87 | 226.65 | 50.39 | 2930.81 | 613.81 | 25976.18 | 4647.07 |
| 69+24.67 | 256.99 | 69.22 | 3616.52 | 894.35 | 29592.70 | 5541.42 |
| 73+31.58 | 240.50 | 61.38 | 3748.84 | 984.11 | 33341.54 | 6525.54 |
| 77+51.88 | 239.18 | 51.63 | 3733.49 | 879.57 | 37075.03 | 7405.11 |
| 79+09.45 | 224.61 | 54.63 | 1353.25 | 310.05 | 38428.28 | 7715.16 |
| 83+08.38 | 176.15 | 30.41 | 2960.72 | 628.31 | 41388.99 | 8343.47 |
| 87+09.71 | 120.00 | 10.52 | 2200.99 | 304.20 | 43589.98 | 8647.67 |
| 90+90.83 | 91.33 | 2.71 | 1491.51 | 93.36 | 45081.49 | 8741.03 |
| 95+05.44 | 82.39 | 4.77 | 1333.77 | 57.42 | 46415.26 | 8798.45 |
| 99+09.78 | 97.47 | 7.20 | 1346.74 | 89.60 | 47762.00 | 8888.06 |
| 103+10.76 | 88.40 | 6.04 | 1380.20 | 98.30 | 49142.20 | 8986.36 |
| 105+00.01 | 100.96 | 7.00 | 663.63 | 45.70 | 49805.83 | 9032.06 |
| 106+36.26 | 28.19 | 4.08 | 325.85 | 27.96 | 50131.68 | 9060.02 |

REGISTERED PROFESSIONAL ENGINEER
BRETT O. BAILLY
PE-6087
Brett O. Bailly
DATE: 02-28-2024
NORTH DAKOTA

moore engineering, inc.

CROSS SECTIONS
CASS COUNTY DRAIN NO. 39
MAPLE RIVER WATER RESOURCE DISTRICT
CASS COUNTY, NORTH DAKOTA
**CROSS SECTIONS**

| | |
|---|---|
| DATE: | 02-28-2024 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 23239 |
| MANAGER: | KRL |
| DESIGNER: | BOB |
| DRAFTER: | DWA |
| REVIEWER: | ARD |

***ISSUED FOR PERMITTING NOT FOR CONSTRUCTION***

**C-806**

DWR Date Received : 12/29/25

I 5

# 1086683 - Steele County Drain 1 Outlet Repair Project

## Application Details

**Funding Opportunity:** 1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:** Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Oct 28, 2025 4:03 PM

**Initially Submitted By:** Latasha Krueger

**Last Submit Date:** Dec 29, 2025 12:02 PM

**Last Submitted By:** Josh Wayt

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh First Name Middle Name Wayt Last Name

**Title:** Funding Specialist

**Email*:** josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E
Suite 1
West Fargo City North Dakota State/Province 58078 Postal Code/Zip

**Phone*:** (701) 200-5455 Ext.
Phone
###-###-####

**Fax:** ###-###-####

**Comments:**

### Organization Information

**Status*:** Approved

**Name*:** Steele County Water Resource District

**Organization Type*:** Political Subdivision

**Tax Id:** 45-0308861

**Organization Website:**

**Address*:** PO Box 231
Finley City North Dakota State/Province 58230 Postal Code/Zip

**Phone*:** 701-524-1105 Ext.
###-###-####

**Fax:** ###-###-####

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

## Infrastructure Funding Request

***Infrastructure Funding Request***

**Project Name*:** Steele County Drain 1 Outlet Repair Project

| | |
|---|---|
| **Sponsor(s)*:** | Steele County Water Resource District |
| **County*:** | Steele |
| **City*:** | Enger Township |
| **Description of Request*:** | Updated (previously submitted) |
| **Project Type:** | Rural Flood Control |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | |

**Jurisdictions/Stakeholders Involved*:**

Steele County Water Resource District and the landowners within Enger Township.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The outlet of Steele County Drain No. 1 experienced significant damages during the Spring 2022 flood event.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The proposed project will include grade stabilization, grading, erosion protection, and the establishment of vegetation at the Drain No. 1 outlet, within property that is currently owned by the WRD.

**Describe the Objectives or Goals Specific to This Application*:**

The District is seeking 60% cost share from the Department of Water Resources for the remaining local share of construction costs for this project. The project has additional funding sources in FEMA and the NDDES.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

This project includes the repair of the Steele County Drain No. 1 outlet area as a part of the Spring 2022 disaster recovery. Construction includes installation of sheet pile grade stabilization structures, repair and reconstruction of an existing rock chute, re-grading, stabilizing, and re-seeding.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 60 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 60 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | Yes |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | N/A |

**Have You Applied for any State Permits?*:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a DWR Surface Drain Permit (Permit No. 6797) in November 2025.

**Have You Been Approved for any State Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The District received a DWR Surface Drain Permit (Permit No. 6797) in November 2025.

**Have You Applied for any Local Permits?*:** N/A

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** Yes

**Explain the Source, Timing and Amount of Federal Funds:**

FEMA disaster relief funding. A total of $1,425,000 has been awarded. Funds to be disbursed upon invoiced expenses, with FEMA providing 75% and NDDES providing 10%.

**Federal Funding Contact:** Brent (First Name) Kahl (Last Name)

**Federal Funding Contact Number:** 701-328-8186

**Federal Funding Email:** bmkahl@nd.gov

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 09/30/2024

**Design Completion*:** 11/15/2025

**Bid*:** 12/15/2025

**Construction Start*:** 05/01/2025

**Construction Completion*:** 11/01/2026

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

**Consulting Engineer*:** Lyndon Pease

**Engineer Direct Phone Number*:** 701-499-5853

**Engineer Email*:** lyndon.pease@mooreengineeringinc.com

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Tasha Krueger 10/28/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | Secretary |
| **Address*:** | 201 Washington Ave PO Box 231<br>Address Line 1<br>Address Line 2<br>Finley North Dakota 58230-0000<br>City State Zip Code |
| **Direct Phone Number*:** | 701-524-1105 |
| **Sponsor Email*:** | scwater@gmail.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Tasha Krueger<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Secretary |
| **Authorized Signor Email:** | latashakrueger@hotmail.com |
| **Authorized Signor Direct Phone Number:** | 701-653-5094 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Josh Ihry<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Chairman |
| **Additional Board Member Email:** | joshihry@yahoo.com |
| **Additional Board Member Direct Phone Number:** | 701-261-6712 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 21355B_SCDrain1_DWRConst_Map.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 21355B_SCDrain1_DWRConst_Minutes10.21.25.doc |
| **Cover Letter:** | 21355B_SCDrain1_DWRConst_CoverLetter.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 21355B_SCDrain1_DWRConst_DelineationCosts_12.29.2025.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 21355B_PreliminaryProjectManual_20251028_Signed.pdf |
| **Is This a Water Supply Project?:** | No |
| **Is This a Rural Flood Control Project?:** | Yes |
| **Approved Drainage Permit:** | 21355B_SCDrain1_DWRConst_SurfaceDrainPermit.pdf |
| **Results Of Positive Assessment Vote:** | 21355B_SCDrain1_DWRConst_CoverLetter_Highlighted.pdf |
| **Is This a Drain Reconstruction Project?:** | Yes |
| **Sediment Analysis:** | 21355B_SCDrain1_DWRConst_Sediment Analysis.pdf |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | 21355B-801_Steele WRD_2022 Disaster Damage Report_20240429.pdf |
| **GIS Files:** | Please Compress All Files Into One .zip File. |

**Other Applicable Document(s):** Yes

**Other Applicable Document:** 21355B_801_Outlet_Repairs_DWRCS_Final_Signed.pdf

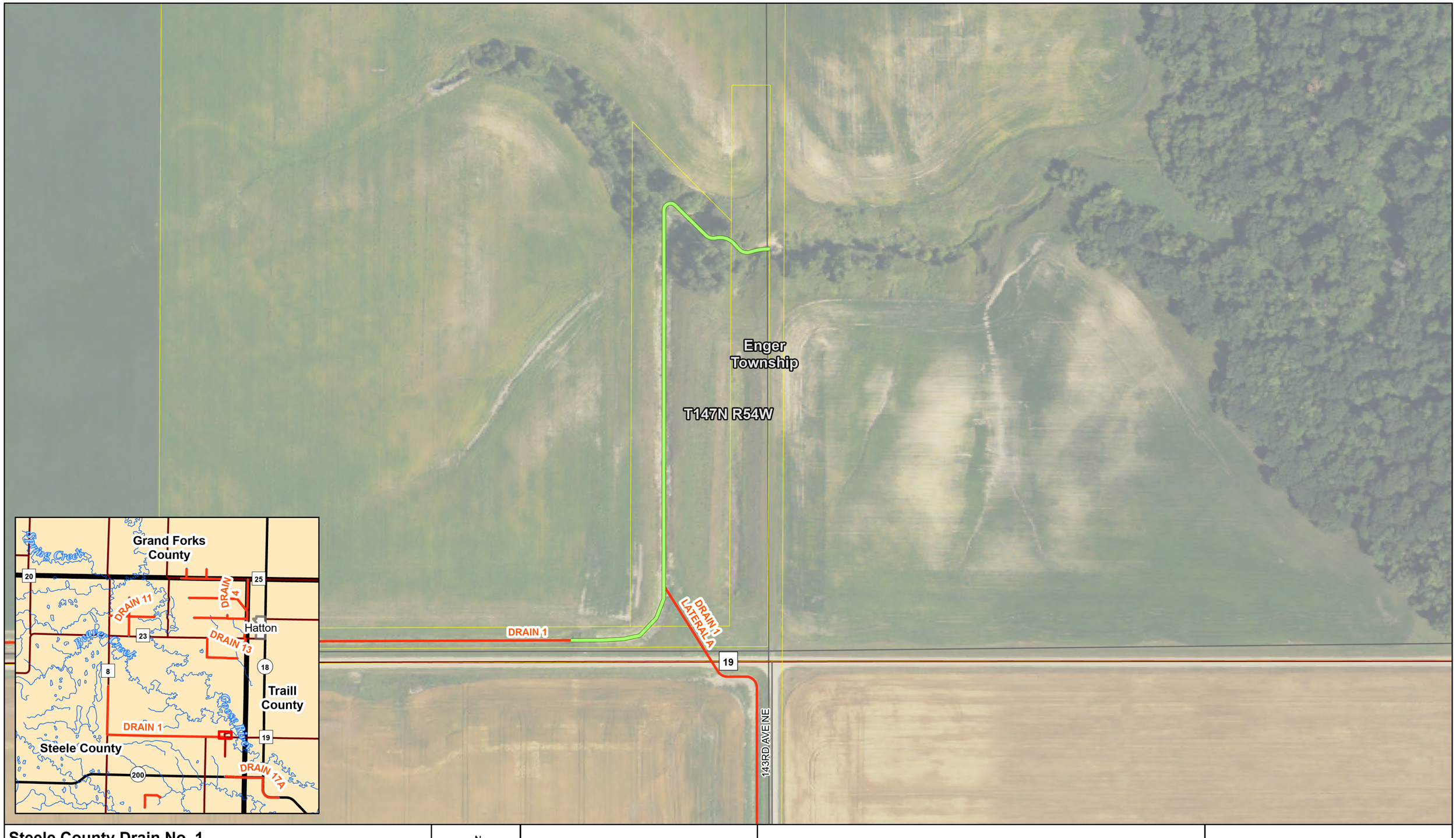
**Other Applicable Document:**

**Other Applicable Document:**

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Other | FEMA | Already Approved | $1,072,991.00 | $0.00 | $0.00 | $1,072,991.00 | | 0.00 | 0.00 |
| Other | NDDES | Already Approved | $143,065.00 | $0.00 | $0.00 | $143,065.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $30,000.00 | $0.00 | $0.00 | $30,000.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $110,861.00 | $0.00 | $0.00 | $110,861.00 | | 0.00 | 0.00 |
| Other | District funding | Already Approved | $80,738.00 | $0.00 | $0.00 | $80,738.00 | | 0.00 | 0.00 |
| | | | **$1,437,655.00** | **$0.00** | **$0.00** | **$1,437,655.00** | | | |




# Steele County Drain No. 1
# Project Area Map
# Steele County, North Dakota

Created By: AKS Date Created: 05/12/2025 Date Saved: 10/24/25 Date Plotted: N/A Date Exported: 10/24/25
Plotted By: kyle.volk Parcel Date: N/A Aerial Image: 2022 County NAIP SIDS Elevation Data: Lidar
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
T:\Projects\21300\21355B\10_ArcPro\Drain_1_Area_Map\Drain_1_Area_Map.aprx

N
W E
S

200 100 0 200
Feet

Steele County Drains

**Repair Project Alignment**

Outlet Repair Project

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | Steel County Drain No. 1 Outlet Repairs |
| **Sponsor :** | Steel County Water Resource District |
| **Contact :** | Tasha Krueger, Secretary |
| **Phone :** | 701-525-1105 |
| **Engineer :** | Moore Engineering, Lyndon Pease |
| **Phone :** | 701-499-5853 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 1,437,655.40 | **Total Cost-Share* :** | $ 125,874.24 |
| **Ineligible Cost :** | $ 1,227,865.00 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 209,790.40 | **Preconstruction :** | $ 100,086.60 |
| **Local Cost :** | $ 1,311,781.16 | **Construction :** | $ 739,072.44 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Rural Flood Control - Assessment Drain(s) | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 11.6% | Final Design | 1 | LS | 166,811.00 | $ 166,811.00 | 60% | $ 100,086.60 |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 11.6% | **Preconstruction Total** | | | | $ 166,811.00 | 60% | $ 100,086.60 * |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 9.7% | Construction Contract Mmgt. | 1 | LS | 140,000.00 | $ 140,000.00 | 60% | $ 84,000.00 |
| 12 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 9.7% | **Construction Engineering Total** | | | | $ 140,000 | 60% | $ 84,000.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 4.9% | Mobilization | 1 | LS | 70,000.00 | $ 70,000.00 | 60% | $ 42,000.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 4.5% | Clearing & Grubbing | 1 | LS | 64,000.00 | $ 64,000.00 | 60% | $ 38,400.00 |
| 19 | 11.8% | Excavation - Spoil | 20024 | CY | 8.50 | $ 170,204.00 | 60% | $ 102,122.40 |
| 20 | 14.9% | Sheetpile - PZC 13 | 3906 | SF | 55.00 | $ 214,830.00 | 60% | $ 128,898.00 |
| 21 | 9.7% | Riprap - Salvage and Reinstall | 3100 | CY | 45.00 | $ 139,500.00 | 60% | $ 83,700.00 |
| 22 | 17.7% | Riprap - R140 | 3000 | CY | 85.00 | $ 255,000.00 | 60% | $ 153,000.00 |
| 23 | 2.4% | Riprap Filter Blanket | 7000 | SY | 5.00 | $ 35,000.00 | 60% | $ 21,000.00 |
| 24 | 1.1% | Stormwater Management | 1 | LS | 16,000.00 | $ 16,000.00 | 60% | $ 9,600.00 |
| 25 | 1.4% | Material Testing | 1 | ALL | 20,000.00 | $ 20,000.00 | 60% | $ 12,000.00 |
| 26 | 0.6% | Seeding - Type III | 2 | AC | 4,000.00 | $ 8,000.00 | 60% | $ 4,800.00 |
| 27 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 992,534.00 | 60% | $ 595,520.40 |
| | 6.9% | **Allowable Contingency (10%)** | | | | $ 99,253.40 | 60% | $ 59,552.04 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 75.9% | **Construction Total** | | | | $ 1,091,787.40 | 60% | $ 655,072.44 |
| | | Eligible Preconstruction | | | | $ 166,811.00 | 60% | $ 100,086.60 |
| | | Eligible Construction | | | | $ 1,231,787.40 | 60% | $ 739,072.44 |
| | | **Eligible Total** | | | | $ 1,398,598.40 | 60% | $ 839,159.04 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 1.4% | Legal Expenses | 1 | LS | 20,000.00 | $ 20,000 | 0% | $ - |
| 38 | 0.7% | Administrative Services/Support Services | 1 | LS | 10,000.00 | $ 10,000 | 0% | $ - |
| 39 | 0.5% | Easement Acquisition (for Drains) | 1 | LS | 7,000.00 | $ 7,000 | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 2.6% | **Preconstruction Ineligible Total** | | | | $ 37,000 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.1% | Dredging/Sediment Removal (for Drain Recon.) | 1 | LS | 2,057.00 | $ 2,057.00 | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.1% | **Construction Ineligible Total** | | | | $ 2,057.00 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 39,057.00 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 1,437,655.40 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ 1,188,808.00 | | |
| | | **Eligible Cost Total** | | | | $ 209,790.40 | 60% | $ 125,874.24 ** |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

* $30,000 was approved for preconstruction cost-share, however $14,987 will be deobligated resulting in $15,013 used.

**$125,874 - $15,013 (preconstruction cost-share used) = $110,861 current construction cost-share request

DWR Date Received : 10/28/25

# Steele County Water Resource District

**201 Washington Ave W**
**P.O. Box 231**
**Finley, ND 58230**

**Phone:** (701) 524-1105 **Fax:** (701) 524-1715 **E-mail:** scwater@gmail.com

October 24th, 2025

Attention: Beth Nangare
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

Re: DWR Construction Cost Share Request for Steele County Drain No. 1 Outlet Repair Project, Steele County, ND (21355B-801)

Dear Beth:

The Steele County Water Resource District (the "District") has initiated a project to repair the damaged outlet area of Steele County Drain No. 1 (the "Project"). The Project will address significant damages at the outlet of the drain sustained during the 2022 spring flood event. Specifically, the Project will include grade stabilization, grading, erosion protection, and the establishment of vegetation at the Drain No. 1 outlet.

In addition to the scope described above, the District previously considered drain repair and stabilization measures downstream of the existing District right-of-way. In Summer/Fall 2025, with support from the DWR cost share program, the District conducted landowner engagement and developed a proposed assessment district for these downstream improvements. The subsequent assessment vote did not pass. The District is therefore only pursuing improvements to the outlet itself within current District right-of-way.

This Project has received funding from a FEMA Disaster Grant (75%) and from the ND Department of Emergency Services (10%). Pursuant to current Cost Share Policy, this District respectfully requests 60% cost share for the remaining local portion (15%) of construction costs.

If you have any questions, please feel free to contact me or our Project Engineer, Lyndon Pease, Moore Engineering, Inc., at 701-499-5853.

Sincerely,

**Steele County Water Resource District**

Tasha Krueger

Tasha Krueger
Secretary-Treasurer


| **Josh Ihry** | **Greg Thykeson** | **Tor Bergstrom** | **Tasha Krueger** |
|---|---|---|---|
| Chairman | Vice Chairman | Board Member | Secretary-Treasurer |
| Hope, ND 58046 | Portland, ND 58274 | Finley, ND 58230 | PO Box 231 |
| (701) 261-6712 | (701) 371-6582 | (701) 789-0879 | Finley, ND 58230 |

DWR Date Received : 10/28/25

# Steele County Water Resource District

Drain 1 Meeting – October 21st, 2025
Special Meeting Minutes

"These are DRAFT minutes, subject to amendment before final approval by the Steele County Water Resource District."

The Steele County Water Resource Board met on Tuesday, October 21st, 2025 at 10:00 AM via zoom.

**Present** – Manager Josh Ihry, and Tor Bergstrom, Attorney Cassie Tostenson-Nilson Brand Law, Tasha Krueger- Office Manager.

**Present Via Zoom-**Lyndon Pease & Andrew Smith-Moore Engineering, Greg Thykeson Via Zoom

Chairman Ihry called the meeting to order at 10:00 A.M.

Steele County Drain 1- Reconstruction and Repairs project vote tally was reviewed. The vote failed.

Engineer Pease discussed alternative options to construct and repair Drain 1.

- Full project with extension- re-vote schedule was reviewed.
- Alternate 1- No Drain Extension
- Alternate 2- No Drain Extension-modified rock chute
- Alternate 3- No Drain Extension-Modified Rock Chute-No sheet pile Structure

After further discussion and limited timelines, the board decided Alternative 2 would be the best option moving forward.
Motion was made by Manager Bergstrom to proceed with the Alternative 2, Seconded by Manager Thykeson, Roll Call Vote- Thykeson-aye, Bergstrom-aye, Ihry-aye, Motion Carried.

Motion was made by Manager Bergstrom to authorize the Secretary to submit a DWR cost share request for construction of the Steele County Drain 1 Improvement Project, Seconded by Manager Thykeson, Roll Call Vote- Thykeson-aye, Bergstrom-aye, Ihry-aye, Motion Carried.

The DWR cost share meeting will be held on December 16th, 2025.

Attorney Tostenson will reach out to bond council.

Motion was made by Manager Bergstrom to authorize the Moore Engineering invoice to be paid, Seconded by Manager Thykeson, Roll Call Vote- Thykeson-aye, Bergstrom-aye, Ihry-aye, Motion Carried.

Next general monthly meeting will be held Tuesday, November 4th, 2025 at 8:00 a.m.

Meeting adjourned at 11:00 A.M.

_____ Josh Ihry, Chairman

_____Tasha Krueger, Secretary

DWR Date Received : 10/28/25

925 10 Ave E
Suite 1
West Fargo, ND 58078

**P:** 701.282.4692
**F:** 701.282.4530

moore engineering, inc.

# 2022 FEMA Disaster Declaration ND-DR-4660

| | |
|---|---|
| Date: | April 29, 2024 |
| To: | North Dakota Department of Emergency Services |
| From: | Lyndon Pease, PE, Andrew K. Smith, EI, CFM |
| Subject: | Steele County Drain No. 1 Outlet 2022 Disaster Damages Report |
| Site ID: | SCWRD-01-01A-22 |

## 2019 Facilities Inspections

The Drain 1 facility was inspected following the 2019 spring runoff event which was declared a disaster on June 19, 2019 (DR-4444-ND). Although damage sites were identified along other parts of Drain 1, no damage in the area of the Steele County Drain No.1 outlet was identified. The 2019 inspection report is included as Attachment 1 and photos of the outlet during the inspection are shown below as Figure 1.



*Figure 1 - Steele County Drain No. 1 Rock Chute Looking North to Coulee (2019)*

## 2020 Facilities Inspections

The Drain 1 facility was inspected following the 2020 spring runoff event which was declared a disaster on July 9, 2020 (DR-4553-ND). Although damage sites were identified along other parts of the drain, no damage in the area of the Steele County Drain No.1 outlet was identified.

## 2021 Drone Flight

Steele County Drain No. 1 was inspected and drone photography was collected in November of 2021 as part of the construction of the nearby Drain No. 1 Lateral A project. Aerial photography is shown below as Figure 2.



*Figure 2 - Steele County Drain No. 1 Outlet Condition in November of 2021*

## 2022 Drone Flight

Steele County Drain No. 1 was inspected and drone photography was collected in May of 2022 as part of facilities inspections related to the 2022 spring runoff event which was declared a disaster on July 13, 2022 (DR-4660-ND). Aerial photography is shown below as Figure 3.



*Figure 3 - Steele County Drain No. 1 Outlet Condition in May of 2022.*

## Summary of DR-4660 Damages

Significant damages in the area of the Drain 1 outlet were sustained as a result of the 2022 spring runoff event necessitating action from the Steele County Water Resource District to prevent further damages to facilities upstream. This is evidenced by the inspection at the Drain 1 outlet following the spring flood events in 2019 and 2020 which did not result in any damages following those events.

Attachment 1 – 2019 Facilities Inspection Report

# 21355

**2019 Steele County Flood Damage Photos**

**Date: 7/24/20**

**Site Location: Drain No. 1**

**Project: Steele County Water Resource District 2019 FEMA Repairs**

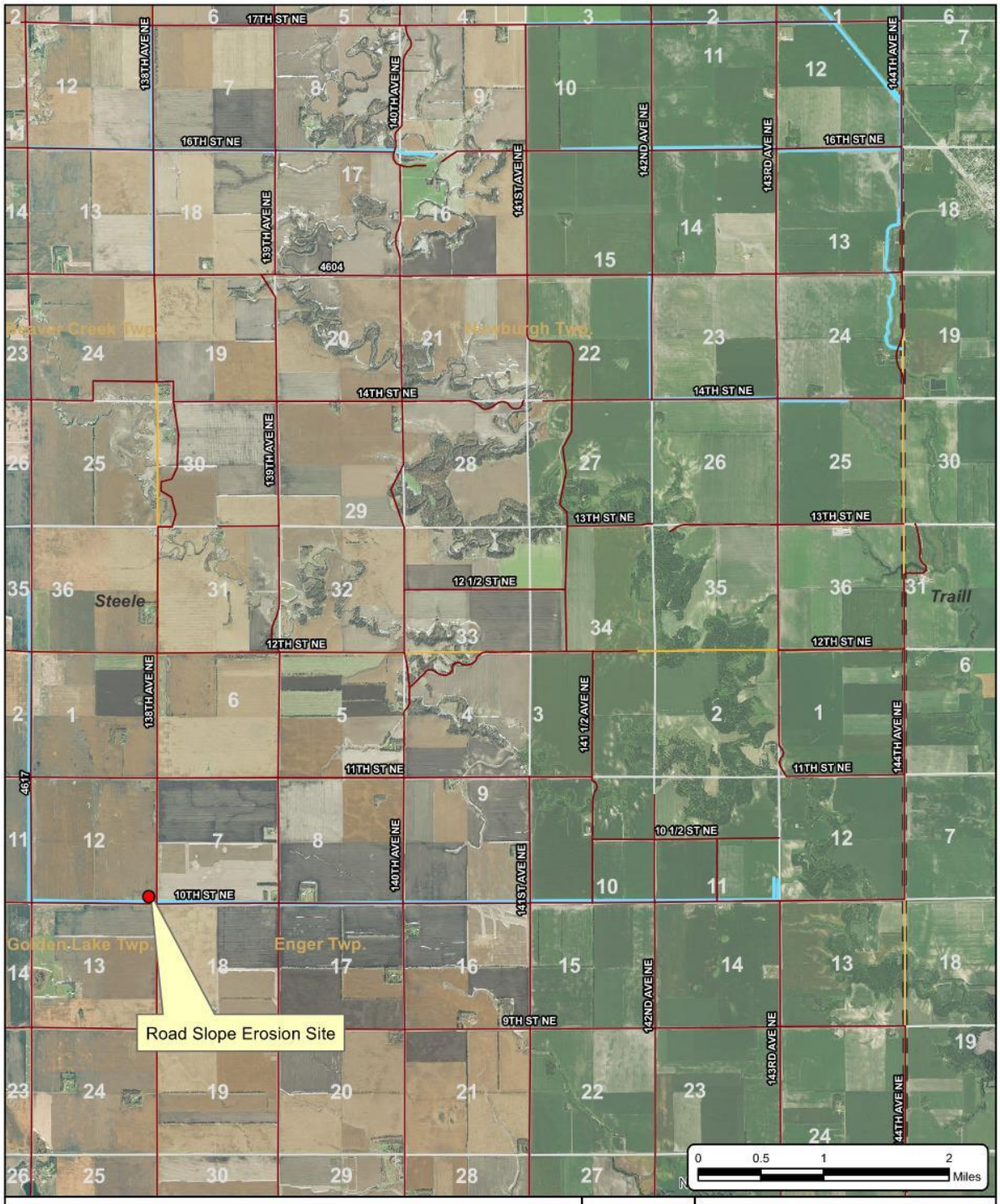
# 21355



Erosion in road slope from headwall structure overtopping during flood event.



Loose material to be removed, imported clay fill to be placed, compacted and reseeded.




**Drain 1 Erosion Site**
**Steele County, North Dakota**

Created By: jwp Date Created: 12/18/18 Date Saved: 07/24/20 Date Plotted: NEVER Date Exported: 07/24/20
Plotted By: jordan.prazak Parcel Data: XX/XX/15 Aerial Image: 2014 County NAIP SIDS Elevation Data: IWI Lidar
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
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moore engineering, inc.

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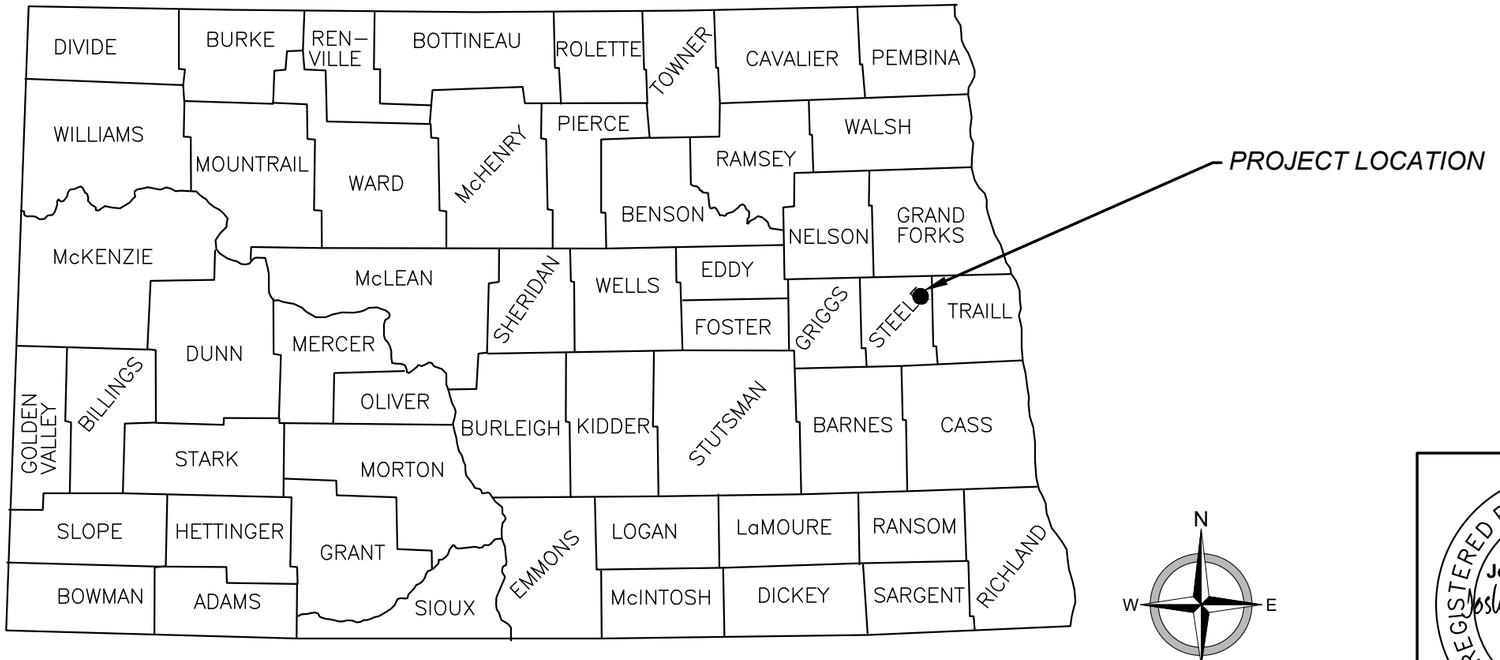
# STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS

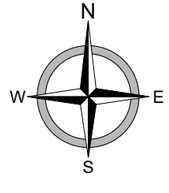
## STEELE COUNTY WATER RESOURCE DISTRICT

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Consulting Engineering • Land Surveying
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## STEELE COUNTY, NORTH DAKOTA

VICINITY MAP




PROJECT No. 21355B



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REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

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GENERAL
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
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| DESIGNER: | AKS |
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| REVIEWER: | JMH |

**G-002**

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# CIVIL LEGEND

## EXISTING

- BENCHMARK
- IRON MONUMENT FOUND
- EXISTING PROPERTY LINE
- EXISTING PLAT LOT LINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT LINE
- EXISTING PLAT EASEMENT LINE
- EXISTING GAS LINE MARKER
- EXISTING GAS GATE VALVE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING LIGHT POLE W/SIGN
- EXISTING GUY WIRE
- EXISTING TRAFFIC SIGNAL ARM
- EXISTING SIGN
- EXISTING CULVERT W/FLARED END SECTION (F.E.S.)
- EXISTING FLARED END SECTION (F.E.S.)
- EXISTING CURB STOP
- EXISTING HYDRANT W/GATE VALVE
- EXISTING GATE VALVE
- EXISTING PROPANE TANK
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING STORM SEWER CATCH BASIN
- EXISTING STORM SEWER MANHOLE
- EXISTING WATER MAIN
- EXISTING WATER SERVICE W/CURB STOP
- EXISTING SANITARY SEWER
- EXISTING SANITARY SEWER (RELINE W/ CIPP)
- EXISTING SANITARY FORCEMAIN
- EXISTING SANITARY SEWER SERVICE
- EXISTING STORM SEWER
- EXISTING STORM SEWER FORCEMAIN
- EXISTING STEAM PIPE
- EXISTING AIR CONDITIONER
- EXISTING UTILITY PEDESTAL
- EXISTING UTILITY MANHOLE
- EXISTING UTILITY VAULT
- EXISTING UNDERGROUND COMMUNICATIONS
- EXISTING UNDERGROUND FIBER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING OVERHEAD TELEPHONE
- EXISTING UNDERGROUND TELEVISION
- EXISTING OVERHEAD TELEVISION
- EXISTING UNDERGROUND GAS
- EXISTING UNDERGROUND ELECTRIC
- EXISTING OVERHEAD POWER
- EXISTING BARBED WIRE FENCE
- EXISTING CHAIN LINK/STEEL FENCE
- EXISTING PVC/WOOD FENCE
- EXISTING RAILROAD
- EXISTING SHRUB
- EXISTING STUMP
- EXISTING BOULDER
- EXISTING TREE/TREE CLUSTER
- EXISTING SPRINKLER HEAD
- EXISTING CLUSTER BOX UNIT (CBU)
- EXISTING MAILBOX
- EXISTING CURB AND GUTTER

## PROPOSED

- NEW PROPERTY LINE
- NEW PLAT LOT LINE
- NEW RIGHT OF WAY LINE
- NEW EASEMENT LINE
- NEW PLAT EASEMENT LINE
- CONSTRUCTION EASEMENT
- CONSTRUCTION LIMITS
- NEW LIGHT POLE
- NEW LIGHT POLE W/SIGN
- NEW GUY WIRE
- NEW SIGN
- TRAFFIC CONTROL – DRUM
- TRAFFIC CONTROL – TUBULAR MARKER
- NEW CULVERT W/FLARED END SECTION (F.E.S.)
- NEW FLARED END SECTION (F.E.S.)
- NEW CURB STOP
- NEW HYDRANT W/GATE VALVE
- NEW GATE VALVE
- NEW TAPPING SLEEVE
- NEW FITTINGS
- NEW PLUG
- NEW SANITARY SEWER MANHOLE
- NEW SANITARY SEWER CLEANOUT
- NEW STORM SEWER CATCH BASIN
- NEW STORM SEWER MANHOLE
- NEW WATER MAIN
- NEW WATER MAIN (DIRECTIONAL DRILLED, CASED OR BURST)
- NEW WATER SERVICE W/CURB STOP (S.B. ELEV.)
- NEW SANITARY SEWER
- NEW SANITARY SEWER (DIRECTIONAL DRILLED OR CASED)
- NEW SANITARY FORCEMAIN
- NEW SANITARY SEWER SERVICE (S.S. ELEV.)
- NEW STORM SEWER
- NEW STORM SEWER (DIRECTIONAL DRILLED OR CASED)
- NEW STORM SEWER FORCEMAIN
- NEW STEAM PIPE
- INSULATION PER DETAIL
- NEW BARBED WIRE FENCE
- NEW CHAIN LINK/STEEL FENCE
- NEW PVC/WOOD FENCE
- NEW CLUSTER BOX UNIT (CBU)
- NEW MAILBOX
- NEW LARGE DECIDUOUS TREE
- NEW SMALL DECIDUOUS TREE
- NEW SHRUB
- NEW LARGE EVERGREEN TREE
- NEW SMALL EVERGREEN TREE

## REMOVALS

- INDICATES REMOVAL
- REMOVE CURB AND GUTTER
- REMOVE ASPHALT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- REMOVE AGGREGATE SURFACE

## PAVEMENT REHAB

- UNIFORM MILL & OVERLAY
- TAPERED MILL & OVERLAY
- LEVELING COURSE
- RECLAIM
- ASPHALT PATCH
- CHIP SEAL

## PAVEMENT

- NEW INFLOW CURB AND GUTTER
- NEW OUTFLOW CURB AND GUTTER
- NEW ASPHALT SURFACE
- NEW CONCRETE SURFACE
- NEW GRANULAR SURFACE
- NEW CRUSHED CONCRETE SURFACE
- NEW DECORATIVE COLORED CONCRETE
- NEW ASPHALT SIDEWALK/MULTI-USE PATH
- NEW CONCRETE SIDEWALK/MULTI-USE PATH
- NEW CONCRETE APPROACH/DRIVEWAY
- NEW DETECTABLE WARNING PANEL
- NEW GRAVEL APPROACH/DRIVEWAY
- NEW CONCRETE VALLEY GUTTER
- NEW MEDIAN NOSE APRON
- NEW ADA RAMP W/WARNING PANEL

## SOIL DISTURBANCE

- DISTURBANCE AREA / TOPSOIL REMOVAL
- REMOVE STOCKPILE
- EXISTING STOCKPILE
- TEMPORARY STOCKPILE
- PERMANENT STOCKPILE
- REAR YARD GRADING
- GRASS BUFFER STRIP

## SOIL STABILIZATION

- DISTURBED SOIL STABILIZATION
- STRAW MULCH
- SEEDING & STRAW MULCH
- SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & STRAW MULCH
- TOPSOIL, SEEDING & HYDRO MULCH
- TOPSOIL, SEEDING & BLANKET

## MISCELLANEOUS

- EXISTING RIPRAP
- NEW RIPRAP
- EXISTING LANDSCAPING AREA
- NEW LANDSCAPING AREA
- EXISTING WATER SURFACE
- NEW WATER SURFACE
- EXISTING WETLAND

## EROSION CONTROL

- DRAINAGE BREAK LINE
- EXISTING DRAINAGE DIRECTION
- FINISHED DRAINAGE DIRECTION & SLOPE (2.0%, 4:1)
- FINISHED GRADE
- EXISTING CONTOUR ELEVATION (895)
- FINISHED CONTOUR ELEVATION (895)
- GRADE ELEVATIONS (FL: 900.07)
- SEDIMENTATION CONTROL WATTLE
- SEDIMENTATION CONTROL FENCE
- ROCK CHECK
- STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
- CONCRETE WASHOUT
- INLET PROTECTION DEVICE

## ABBREVIATIONS:

BOC= BACK OF CURB
BOW= BACK OF WALK
C= COMMUNICATION
CB#= STORM SEWER CATCH BASIN
CIPP= CURED IN PLACE PIPE
CL= CENTERLINE
CSP= CORRUGATED STEEL PIPE
CO#= SANITARY SEWER CLEANOUT
CS#= CONTROL STRUCTURE
DIA= DIAMETER
DIP= DUCTILE IRON PIPE
E= ELECTRICAL
ECC= EDGE OF CRUSHED CONCRETE
EG= EXISTING GRADE
EOC= EDGE OF CONCRETE
EOG= EDGE OF GRAVEL
EOP= EDGE OF PAVEMENT
EOW= EDGE OF WALK
EX= EXISTING
F= FIBER OPTIC
FES= FLARED END SECTION
FG= FINISHED GRADE
FL= FLOWLINE
FM= FORCEMAIN
G= GAS LINE
HP= HIGH POINT
INV= INVERT
LP= LOW POINT
MA= MATCH
M#= STORM SEWER MANHOLE
MT#= STORM SEWER TEE MANHOLE
MM#= STORM SEWER MULTI-MANHOLE
MC= MIDPOINT OF CURVE
OHP= OVERHEAD POWER
OHT= OVERHEAD TELEPHONE
OHTV= OVERHEAD TELEVISION
PC= POINT OF CURVATURE
PRC= POINT OF REVERSE CURVE
PVC= POLYVINYL CHLORIDE PIPE
PT= POINT OF TANGENCY
RIM= RIM OF STRUCTURE
S#= SANITARY SEWER MANHOLE
S.B. ELEV= STOP BOX ELEVATION
S.S. ELEV= SANITARY SEWER SERVICE INVERT
SS= SANITARY SEWER
ST= STORM SEWER
STA= ALIGNMENT STATION
T= TELEPHONE
TOC= TOP OF CONCRETE
TOP= TOP OF PAVEMENT
TOP= TOP OF PIPE
TOW= TOP OF WALK
TR#= SANITARY TELEVISING RISER
TRANS= TRANSFORMER
TV= TELEVISION
U= UTILITY (UNKNOWN UTILITY)

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

CIVIL
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
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## CLEARING AND GRUBBING/DEMOLITION:

1. THE CONTRACTOR SHALL EXERCISE CARE IN THEIR CONSTRUCTION OPERATIONS TO ENSURE THAT TREES, SHRUBS, FENCES, BUILDINGS AND GRASSES WITHIN THE RIGHT-OF-WAY AND CONSTRUCTION LIMITS NOT DESIGNATED FOR REMOVAL ARE NOT DISTURBED. ANY CHANGE TO THESE ITEMS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
2. ALL TREES, SHRUBS, AND VEGETATION NOT DESIGNATED TO REMAIN BY THE ENGINEER WITHIN THE CONSTUCTION LIMITS SHALL BE CLEARED
3. REFER TO SPECIFICATION 311000 FOR ADDITIONAL NOTES.
4. TREES AND BRANCHES MAY BE GROUND UP ON-SITE AND USED AS TEMPORARY OR PERMANENT MULCH.

## UTILITIES:

1. NOT ALL UTILITIES MAY BE SHOWN. PRIOR TO DIGGING, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALL FOR UTILITY LOCATES AND TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND COORDINATE THEIR ACTIVITIES AND SCHEDULE ALL UTILITY RELOCATIONS. UTILITY LOCATES CAN BE REQUESTED FROM "NORTH DAKOTA ONE CALL".
2. CONTRACTOR MAY NEED TO WORK IN CONJUNCTION WITH UTILITY COMPANIES DURING CONSTRUCTION. CONTRACTOR MUST NOTIFY ENGINEER PRIOR TO DOING WORK WITH ANY AND ALL UTILITY COMPANIES. THERE SHALL BE NO CHANGE ORDERS FOR SCHEDULING CONFLICTS WITH UTILITY COMPANIES.
3. THE CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES ON THE SITE PRIOR TO DIGGING AND SHALL PROTECT THEM DURING CONSTRUCTION.
4. UTILITY PEDESTALS MAY BE PLACED PRIOR TO CONSTRUCTION OF SPOIL BANK AREAS. IF THIS IS DONE, UTILITY COMPANIES WILL SET PEDESTALS AT APPROPRIATE HEIGHTS TO MATCH EXPECTED SPOIL BANK HEIGHTS. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF SOILS AROUND THESE NEW PEDESTALS. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO PEDESTALS DURING CONSTRUCTION AND WILL BEAR ALL COSTS OF REPLACEMENT OR REPAIR OF DAMAGED PEDESTALS.
5. UTILITIES BEING RELOCATED HAVE UNKNOWN SCHEDULE. DO NOT EXCAVATE WITHIN 20 FEET OF AN EXISTING OVERHEAD ELECTRICAL POLE. CONTRACTOR MAY NEED TO WORK AROUND UTILITY POLE AND RETURN TO COMPLETE CHANNEL WORK AFTER POLE IS RELOCATED. CONTRACTOR TO SCHEDULE WORK AND BID ACCORDINGLY.

## CONSTRUCTION LIMITS:

1. THE CONTRACTOR SHALL LIMIT WORK TO WITHIN THE CONSTRUCTION LIMITS SHOWN ON THE PLANS OR STAKED BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE EXPENSE FOR WORK DONE OUTSIDE OF PROJECT CONSTRUCTION LIMITS. IF WORK IS REQUIRED OUTSIDE OF CONSTRUCTION LIMITS, CONTRACTOR SHALL COORDINATE ACCESS WITH LANDOWNER.
2. CONTRACTOR VEHICLES, EQUIPMENT, AND MATERIALS SHALL BE STORED WITHIN THE CONSTRUCTION LIMITS.
3. CONSTRUCTION LIMITS AREA SHALL BE COMPLETELY FREE OF DEBRIS, GARBAGE, ROCKS, TREES, WOOD, PLASTIC, METAL, AND ALL OTHER WASTE PRIOR TO THE COMPLETION OF THE PROJECT.
4. CONTRACTOR SHALL DISC CONSTRUCTION LIMITS AREA UPON COMPLETION OF THE WORK TO RESTORE AREA TO PRE-PROJECT CONDITIONS (EG. NO HARD COMPACTED AREAS).

## SIGNS AND DELINEATORS:

1. ALL EXISTING SIGNS, DELINEATORS, MAILBOXES, AND BRIDGE END MARKERS WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, SALVAGED, AND RESET. ANY ITEMS REMOVED SHALL BE NEATLY STOCKPILED ON THE PROJECT CONSTRUCTION LIMITS AND ARE TO REMAIN THE PROPERTY OF THE OWNER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
2. ANY DAMAGED SIGNS SHALL BE REPLACED AT CONTRACTORS EXPENSE.
3. THE CONTRACTOR SHALL INSPECT ALL SIGNS, DELINEATORS, AND MAILBOXES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DAMAGES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES IDENTIFIED AFTER CONSTRUCTION BEGINS.

## HAUL ROADS:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE THE SUITABILITY OF ROUTES WITH THE AGENCY HAVING CONTROL OF THE ROADS AND ACQUIRE THEIR APPROVAL PRIOR TO SUBMITTING A BID AND DOING THE WORK.
2. ANY DAMAGE TO ROADS AS A RESULT OF HAULING SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND AT NO COST TO THE OWNER.
3. TEMPORARY HAUL ROADS AND RAMPS REQUIRED SHALL BE INCIDENTAL TO THE PROJECT.

## SPOIL MATERIAL:

1. EXCAVATED MATERIAL, UNLESS OTHERWISE USED ON THE PROJECT OR DIRECTED BY ENGINEER, SHALL BE HAULED OFF SITE AND SHALL BE INCIDENTAL TO EXCAVATION
2. SPOIL BANKS SHALL NOT IMPEDE EXISTING DRAINAGE. THE CONTRACTOR WILL BE LIABLE FOR DAMAGE FROM ANY BLOCKED DRAINAGE.
3. NO SPOIL SHALL BE PLACED ON A ROAD UNLESS THE PLANS SPECIFICALLY CALL FOR BUILDING UP THE ROAD AT THAT LOCATION OR IF MATERIAL IS NEEDED TO BRING ROAD BACK TO GRADE AFTER CULVERT INSTALLATION AT SECTION LINE.
4. TOP OF BERM SHALL BE GRADED SMOOTH AND LEVEL TO THE SATISFACTION OF THE ENGINEER. EXCESS EXCAVATION SHALL BE SPOILED BEHIND THE BERM, GENTLY GRADED AND MATCHING INTO THE EXISTING FIELD. THE CONSTRUCTION EASEMENT AREA SHALL BE UTILIZED FOR THE EXCESS EXCAVATION MATERIAL.
5. TOLERANCE SHALL BE NO MORE THAN ONE FOOT VARIANCE FROM A MAXIMUM ACTUAL FILL TO A MINIMUM ACTUAL FILL AT A GRADE LINE PARALLEL TO THE MINIMUM BERM. (I.E. IF ONE SET UP A LASER AT GRADE AND WALKED THE BERM MAKING MARKS ON THE GRADE ROD, AT THE END OF THE MILE, THE MARKS SHOULD ALL BE WITHIN A ONE FOOT INTERVAL.) THIS VARIANCE OF ONE FOOT DOES NOT APPLY TO BREAK OUT LOCATIONS.

## CHANNEL APPEARANCE:

1. THE FINAL CONSTRUCTED CHANNEL SECTION SHALL FORM NEAT LINES WHEN VIEWED FROM ONE END OF AN AREA TO THE OTHER END.
2. WAVINESS, BUMPS, OR DIVOTS SHALL NOT EXCEED MORE THAN 0.2' FROM THE DESIRED CHANNEL PROFILE.

## CONSTRUCTION SEQUENCING:

1. THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING PRIOR TO COMMENCING WORK ON THIS SITE.
2. IF THE CONTRACTOR WANTS TO WORK IN MORE THAN ONE AREA OF THE PROJECT AT ONE TIME, THE CONTRACTOR MUST NOTIFY THE ENGINEER IN WRITING PRIOR TO DOING THE WORK. THE ENGINEER MAY OR MAY NOT GRANT THE CONTRACTOR'S REQUEST.

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-A-13211
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

CIVIL
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**GENERAL NOTES**

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## PROJECT MAINTENANCE:

1. IT IS THE CONTRACTOR'S RESPONSIBILITY FOR CHANNEL MAINTENANCE, WEED CONTROL, EROSION CONTROL AND REPAIR, SILT REMOVAL AND SPOILING, RE-GRADING BOTTOM AND RE-GRADING SIDE SLOPES UNTIL SEED IS ESTABLISHED. IT SHOULD BE THE INTENT TO ESTABLISH SEED GROWTH AS SOON AS CHANNEL AREAS ARE COMPLETED.
2. CONTRACTOR IS RESPONSIBLE FOR WEED CONTROL WITHIN THE PROJECT SITE THROUGHOUT DURATION OF PROJECT AND IT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. THIS MAY REQUIRE TILLING OR SPRAYING THE PROJECT SITE.

## DISPOSAL NOTES:

1. NO MATERIAL, OTHER THAN SOIL, SHALL BE WASTED ON THE SITE OR IN THE SPOIL BANK AREA.
2. REMOVED PIPES, BRIDGE DECKS, BRIDGE PIERS, EXISTING WEIR MATERIALS, TREES, ROOTS, PLASTIC, WOOD, METAL, TIRES AND OTHER CONSTRUCTION MATERIAL OR DEBRIS SHALL BE PROPERLY DISPOSED OF OFF SITE. THIS WORK SHALL BE INCIDENTAL TO THE PROJECT UNLESS OTHERWISE SPECIFIED.
3. ANY REMOVED ITEMS NOT SALVAGED AS SHOWN ON THE PLANS BECOME THE PROPERTY OF THE CONTRACTOR AND ARE THE CONTRACTOR'S RESPONSIBILITY ONCE OFF THE SITE.
4. NO MATERIAL MAY BE BURIED OR BURNED ON SITE.
5. ROCK MATERIAL PICKED FROM PROJECT SITE SHALL BE UTILIZED AT RIPRAP AREAS OR DISPOSED OF OFF SITE.

## SURVEY NOTES:

1. CONTRACTOR REQUESTED SURVEYS CONDUCTED AFTER CONSTRUCTION IS COMPLETE FOR THE PURPOSE OF VERIFYING EXCAVATION AND EMBANKMENT QUANTITIES SHALL BE AT THE CONTRACTOR'S EXPENSE.
2. IF CONTRACTOR UTILIZES GPS EQUIPMENT FOR SHAPING PURPOSES, CONTRACTOR MAY REQUEST DIGITAL FILES FROM THE ENGINEER IN ACCORDANCE WITH SPECIFICATION 013300.
3. ENGINEER REQUIRES A 48 HOUR NOTICE FOR ANY CONTRACTOR REQUESTED SURVEY. CONTRACTOR SHALL COORDINATE WITH RPR FOR SCHEDULING.

## SEEDING NOTES:

1. FURNISH TYPE III GRASS SEED FOR THIS PROJECT, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

## TRAFFIC CONTROL:

1. THE CONTRACTOR SHALL PROVIDE, IMPLEMENT, INSTALL, MAINTAIN, AND REMOVE ALL NECESSARY TRAFFIC CONTROL DEVICES AS REQUIRED BY THE TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE ENGINEER.
2. THE CONTRACTOR SHALL PROVIDE, MAINTAIN, AND REMOVE TEMPORARY APPROACHES, CROSSINGS, AND INTERSECTIONS AS NECESSARY DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE A METHOD OF PROTECTING TRAFFIC AND PEDESTRIANS FROM CONSTRUCTION AREAS AND SHALL ALLOW ACCESS TO ALL AREAS BY FIRE, POLICE, AND OTHER EMERGENCY PERSONNEL.
4. CONTRACTOR TO COORDINATE WITH ROAD AUTHORITIES AND PROVIDE ROAD CLOSURE AND DETOUR SIGNAGE PER ROAD AUTHORITY REQUIREMENTS.
5. FOR ALL FIELD ACCESS CROSSINGS NOTIFY AND COORDINATE WITH ADJACENT RESIDENTIAL PROPERTY OWNER NO LESS THAN 3 DAYS PRIOR TO APPROACH REMOVAL. PROVIDE TEMPORARY ACCESS IF REQUIRED.

## EROSION CONTROL NOTES:

1. WORK MAY NOT START UNTIL NOTICE OF INTENT (NOI) HAS BEEN SUBMITTED TO THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY AND 7 BUSINESS DAYS HAVE PASSED.
2. PERMIT No. NDR11-0000 SHALL BE USED AS A GUIDE FOR STORM WATER MANAGEMENT ON THIS PROJECT.
3. CONTRACTOR SHALL DESIGNATE AN EROSION CONTROL SUPERVISOR WHO WILL BE IN CONTROL OF REVIEWING AND MODIFYING THE SWPPP, CONDUCTS THE REQUIRED SITE INSPECTIONS, AND PREPARES THE INSPECTION REPORTS AS PER NDR11-0000 OR AS STATED IN THE PLANS.
4. CONTRACTOR IS RESPONSIBLE FOR THE DAY-TO-DAY OPERATION OF THE SWPPP AND SHALL NOTIFY THE ENGINEER IF ANY PROBLEMS ARISE.
5. SITE INSPECTIONS ARE REQUIRED EVERY 14 DAYS OR AFTER A RAINFALL EVENT GREATER THAN 0.25 INCHES IN 24 HOURS. ALL INSPECTIONS MUST BE DOCUMENTED IN THE SWPPP. CONTRACTOR SHALL PROVIDE ENGINEER WITH A COPY OF EACH INSPECTION REPORT. CONTRACTOR SHALL PROVIDE ON-SITE RAIN GAUGE TO MEASURE RAINFALL TOTALS.
6. THE RECEIVING WATER IS THE GOOSE RIVER. BMP'S SHALL BE USED TO MINIMIZE ANY SEDIMENT FROM PROJECT SITE INTO THE RECEIVING WATERS. BMP'S ARE PART OF STORM WATER MANAGEMENT AND WILL NOT BE PAID FOR AS ADDITIONAL WORK
7. ALL AREAS NOT WORKED IN FOR 14 DAYS SHALL BE TEMPORARY MULCHED. THIS WORK IS PART OF STORM WATER MANAGEMENT AND WILL NOT BE PAID FOR AS ADDITIONAL WORK.
8. TRACKED SEDIMENT SHALL BE REMOVED FROM ALL ROADS WITHIN 24 HOURS OF SEDIMENT TRACKING. IF SEDIMENT TRACKING IS SEVERE, A CONSTRUCTION ENTRANCE SHALL BE INSTALLED IN ACCORDANCE WITH NDR11-0000 OR AS SHOWN IN THE PLANS.
9. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING PROJECT SITE DUST. WATERING PROJECT SITE AS WELL AS WATERING THE HAUL ROADS MAY BE NEEDED.
10. CONTRACTOR IS RESPONSIBLE FOR NON-HAZARDOUS WASTE BROUGHT TO AND STORED AT THE SITE. ALL TRASH AND DEBRIS SHALL BE PICKED UP DAILY AND DISPOSED OF IN PROPER CONTAINERS. NO MATERIAL IS ALLOWED TO BE BURIED ON SITE. ALL OIL, GAS, AND OTHER PETROLEUM PRODUCTS SHALL BE STORED IN SEALED CONTAINERS WITH PROPER LABELS.
11. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY SPILL.
12. ALL ITEMS THAT ARE REQUIRED BY NDR11-0000 OR AS SHOWN IN THE PLANS AS PART OF STORM WATER MANAGEMENT SHALL BE PAID FOR BY THE STORM WATER MANAGEMENT PAY ITEM UNLESS A SEPARATE BID ITEM IS SPECIFIED.
13. CONTRACTOR IS RESPONSIBLE FOR MAKING SURE SUBCONTRACTORS STAY IN COMPLIANCE WITH STORM WATER MANAGEMENT GUIDELINES.
14. ALL EQUIPMENT SHALL ARRIVE ON-SITE IN A CLEAN, OPERABLE MANNER. EXCESS DIRT, VEGETATION, OIL, GREASE, OR ANY OTHER CONTAMINANTS SHALL BE CLEANED OFF PRIOR TO ENTERING PROJECT SITE.
15. CONTRACTOR SHALL MAINTAIN A STOCKPILE OF APPROPRIATE BMP'S ON-SITE FOR USE IN EMERGENCY SITUATIONS. THE STOCKPILE SHOULD INCLUDE EROSION CONTROL BLANKET, SILT FENCE, SPARE RIPRAP, AND SEEDING MATERIAL
16. CONTRACTOR IS ENCOURAGED TO INSTALL PERMANENT STABILIZATION IN STAGES AS PORTIONS OF THE PROJECT REACH FINAL GRADES.
17. AT THE COMPLETION OF THE PROJECT, PERMANENT GRASS SEEDING SHALL BE INSTALLED. PERMANENT SEEDING IS PAID FOR BY A BID ITEM AND IS NOT PART OF STORM WATER MANAGEMENT.
18. NOTICE OF INTENT (NOI) SHALL BE PROVIDED TO THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY (NDDEQ), AFTER OBTAINING OWNER'S SIGNATURE. CONSTRUCTION MAY NOT BEGIN UNTIL SEVEN (7) DAYS AFTER NOI IS SUBMITTED TO NDDEQ.

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

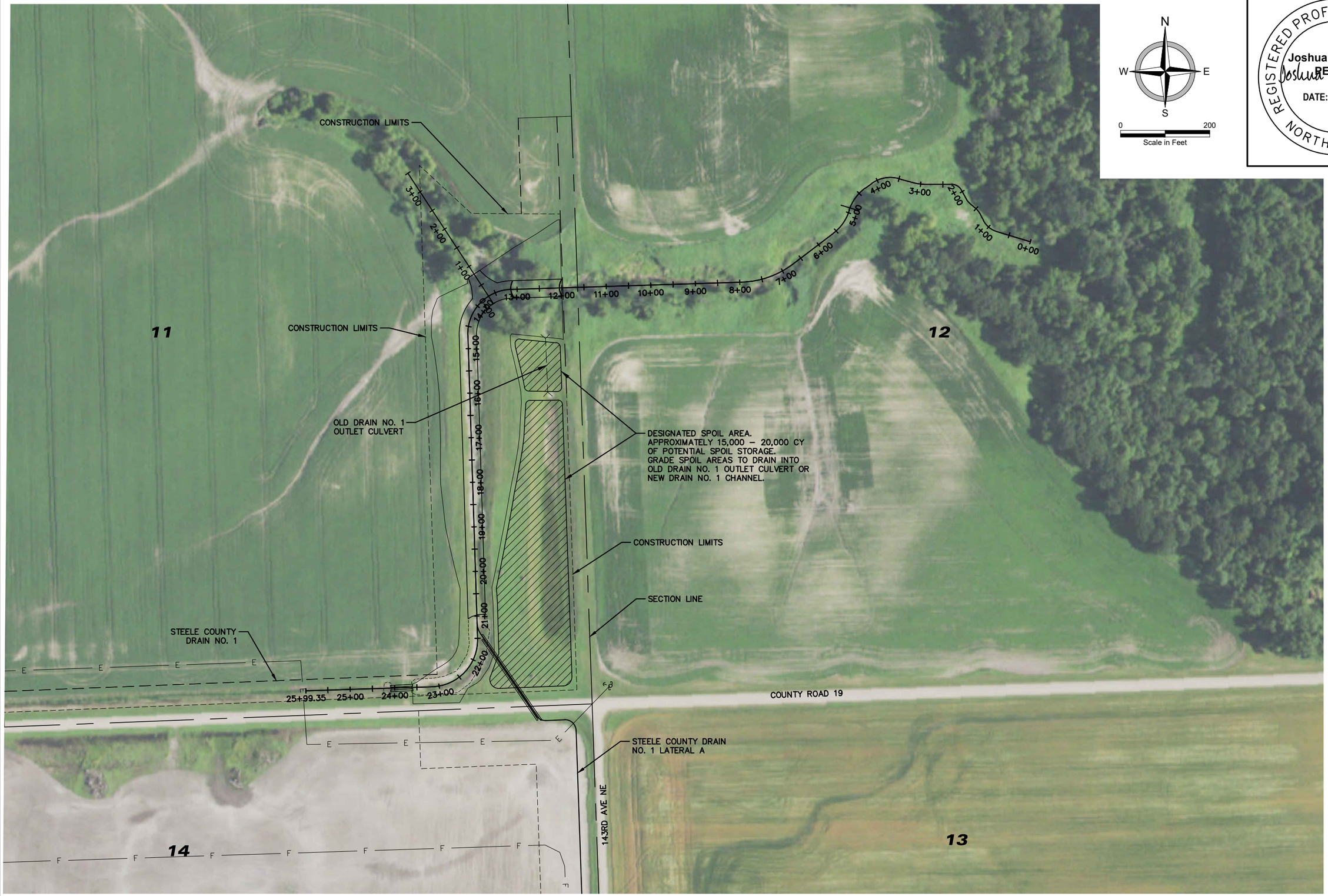
CIVIL
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**GENERAL NOTES**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-003**

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REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

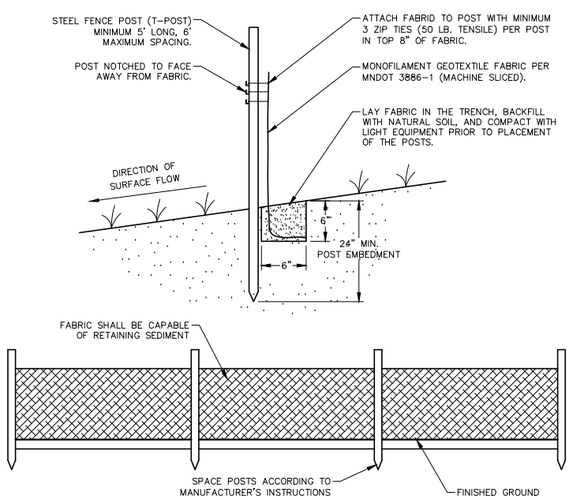
PROJECT LAYOUTS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**GENERAL LAYOUT**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-101**

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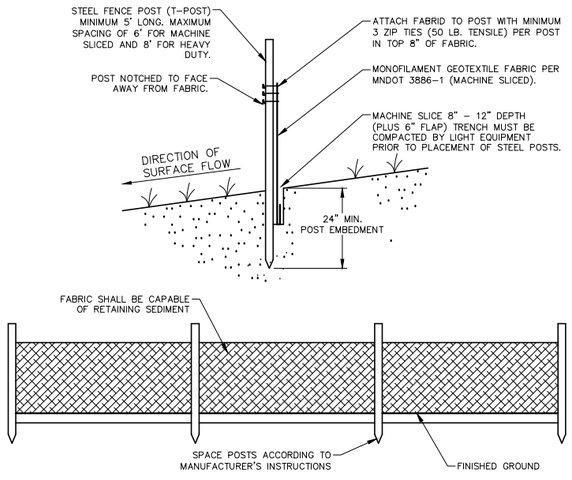
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## STANDARD SILT FENCE DETAIL

*NO SCALE*

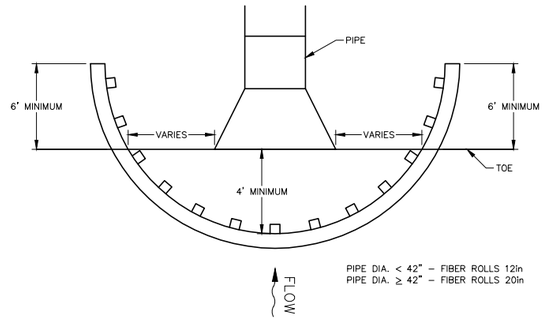
NOTES:
1. INSPECT AND REPAIR AFTER EACH STORM EVENT, AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENTS SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.




## MACHINED SILT FENCE DETAIL

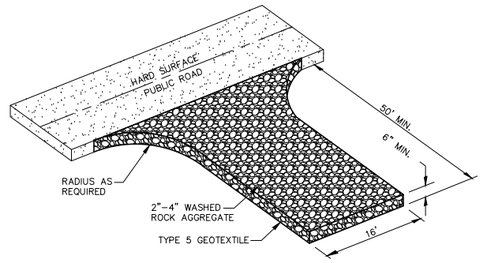
*NO SCALE*

NOTES:
1. INSPECT AND REPAIR AFTER EACH STORM EVENT, AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENTS SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.



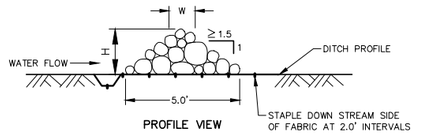

## FIBER ROLL PROTECTION INLET OF PIPE END

*NO SCALE*




## TEMPORARY ROCK - SITE ENTRANCE

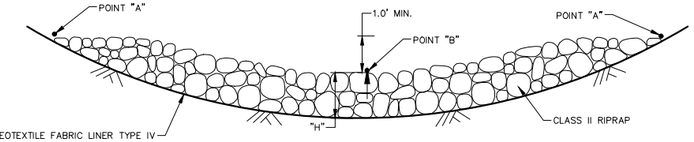
*NO SCALE*




PROFILE VIEW

NOTES:
1. ROCK DITCH CHEK SHALL BE REMOVED FROM CLEAR ZONE AFTER SEEDING OR TURF IS ESTABLISHED AND PRIOR TO FINAL ACCEPTANCE.
2. POINT "A" MUST BE 1'-0" MIN. HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE CHECK AND NOT AROUND THE ENDS.

| HEIGHT OF CHECK (H) | CLASS RIPRAP | TOP WIDTH (W) |
|---|---|---|
| 2'-0" | II | 12"-18" |




CROSS SECTION

## TEMPORARY ROCK CHECK DETAIL

*NO SCALE*

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
REG. NO. 23132
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

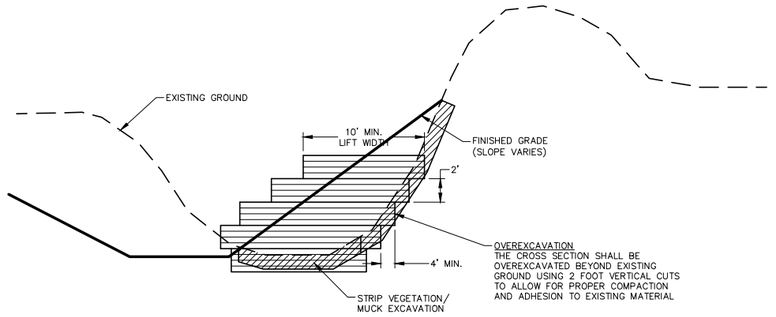
DETAILS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**EROSION CONTROL DETAILS**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-201**

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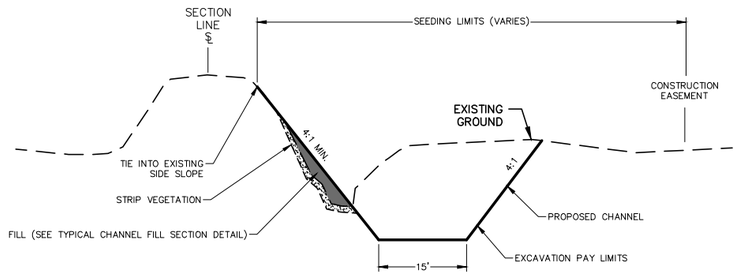



EMBANKMENT NOTES:

1. THE CROSS-SECTION SHALL BE OVEREXCAVATED BEYOND EXISTING GROUND USING 2 FOOT VERTICAL CUTS TO ALLOW FOR PROPER COMPACTION AND ADHESION TO EXISTING MATERIAL.
2. THE EMBANKMENT MATERIAL SHALL BE OBTAINED BY AN APPROVED BORROW PIT AND SHALL BE CLAY ONLY. THE EMBANKMENT MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED 6 INCHES IN DEPTH AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY A STANDARD PROCTOR TEST IN ACCORDANCE WITH ASTM D698. MOISTURE CONTENT SHALL BE MAINTAINED DURING COMPACTION BETWEEN 1% BELOW OPTIMUM AND 3% ABOVE OPTIMUM AS DETERMINED BY STANDARD PROCTOR.
3. ALL CONSTRUCTED EMBANKMENT LAYERS SHALL BE TIED INTO UNDISTURBED SOIL ALONG THE OVEREXCAVATION SLOPE BY CONSTRUCTING VERTICAL WALLS 2 FEET HIGH. ALL CONSTRUCTED EMBANKMENT LAYERS SHALL BE A MINIMUM OF 10 FEET WIDE. THE CROSS-SECTION SHALL BE OVERFILLED TO ALLOW FOR PROPER COMPACTION AND EXCAVATED TO FINAL GRADES AND SLOPES.
3. NO PAYMENT IS MADE FOR OVEREXCAVATION/OVERBUILD NEEDED TO FILL THE CHANNEL SLOPE AS PER THE DETAIL SHOWN.

## TYPICAL SECTION - CHANNEL FILL DETAIL

*NO SCALE*




## TYPICAL SECTION ALONG ROAD

*NO SCALE*

REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

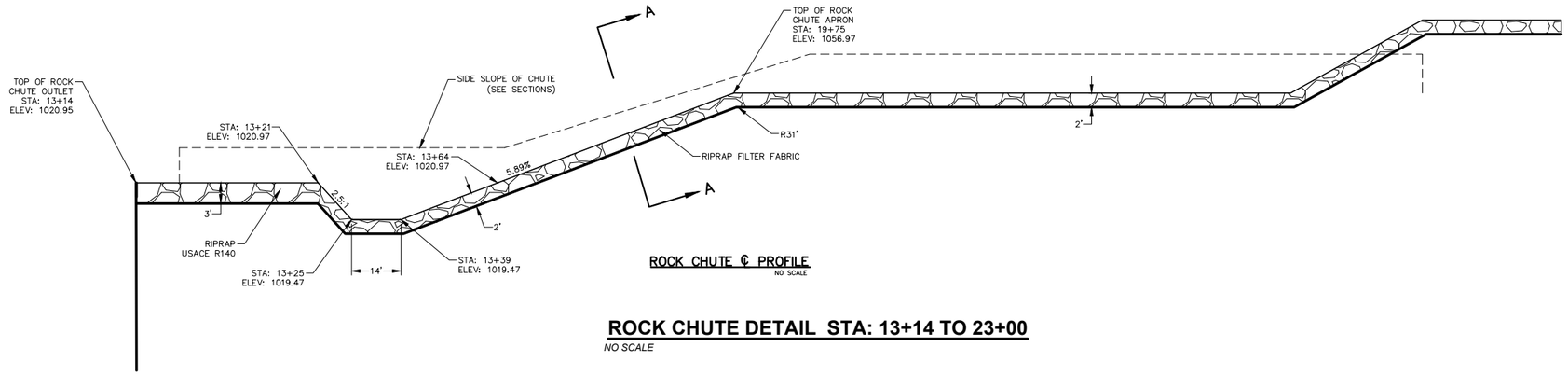
DETAILS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**TYPICAL DETAILS**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-202**

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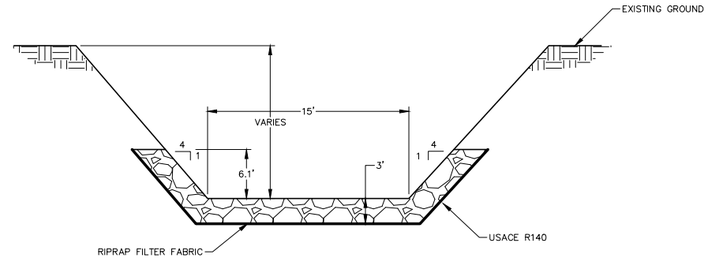
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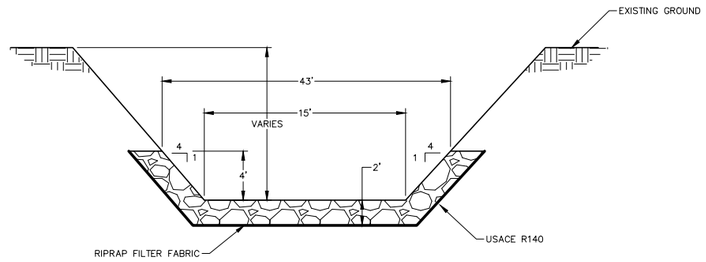

ROCK CHUTE ℄ PROFILE
NO SCALE

## ROCK CHUTE DETAIL STA: 13+14 TO 23+00

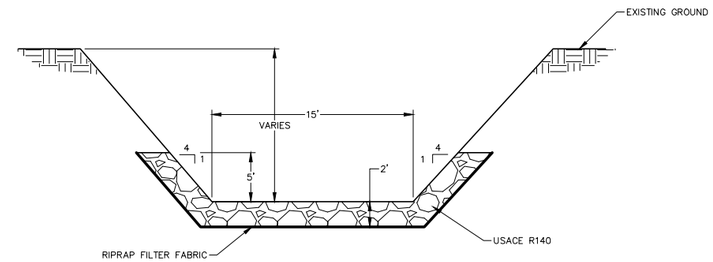
*NO SCALE*




TYPICAL SECTION A–A STA: 11+97 – 13+70
NO SCALE




TYPICAL SECTION A–A STA: 13+70 – 19+75
NO SCALE




TYPICAL SECTION A–A STA: 19+75 – 23+60
NO SCALE

**NOTE:**
RIPRAP IMMEDIATELY UPSTREAM AND DOWNSTREAM OF SHEETPILE SHALL BE INSTALLED PER SHEET C–205 AND C–206.

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-A3132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

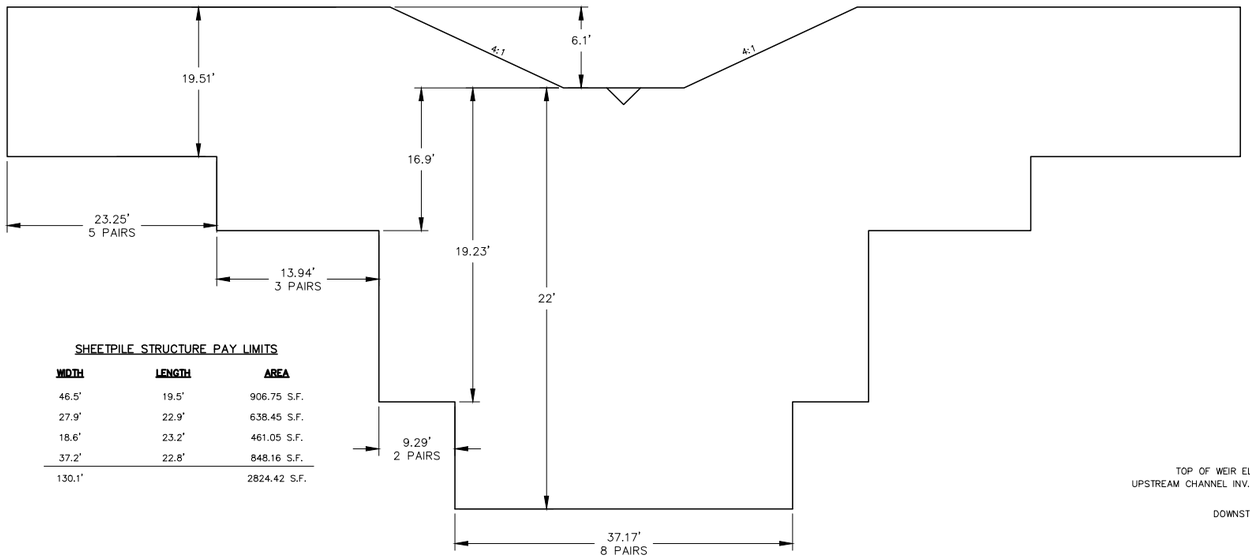
DETAILS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**RIPRAP CHANNEL DETAIL**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-203**

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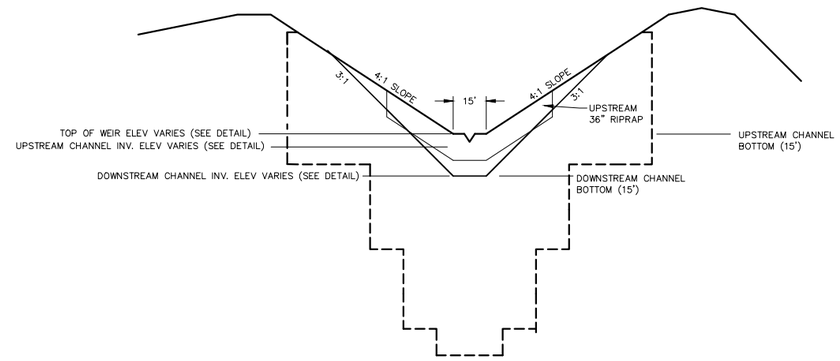

SHEETPILE STRUCTURE PAY LIMITS

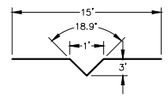
| WIDTH | LENGTH | AREA |
|---|---|---|
| 46.5' | 19.5' | 906.75 S.F. |
| 27.9' | 22.9' | 638.45 S.F. |
| 18.6' | 23.2' | 461.05 S.F. |
| 37.2' | 22.8' | 848.16 S.F. |
| 130.1' | | 2824.42 S.F. |

**TYPICAL SHEET PILE DETAIL STA: 12+05 & 13+14**

*NO SCALE*

SHEETPILE STRUCTURE (TYPICAL)




**SHEET PILE V-NOTCH DETAIL**

*NO SCALE*

REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

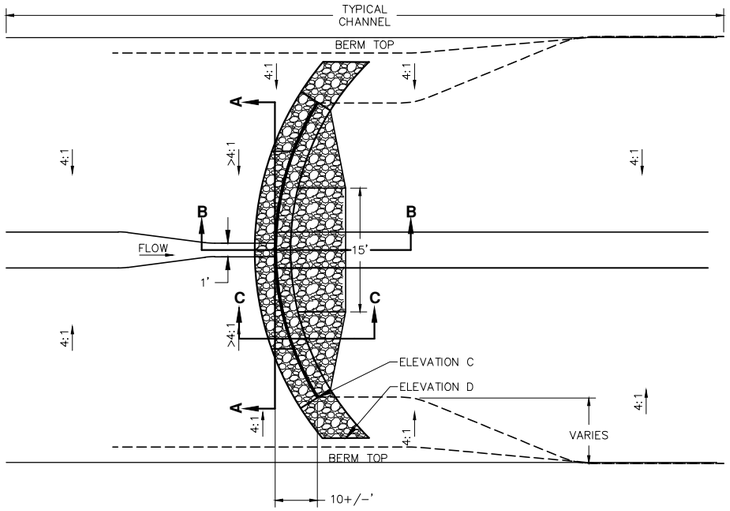
DETAILS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**SHEETPILE STRUCTURE DETAIL**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-204**

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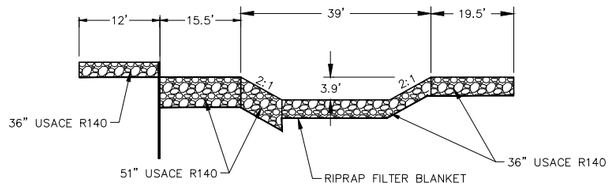
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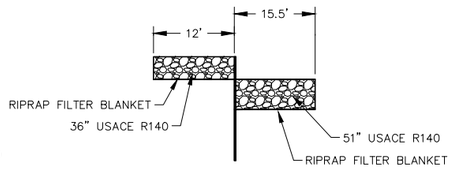

PLAN VIEW

## SHEET PILE DETAIL STA: 12+05 & 13+14

*NO SCALE*




SECTION B–B




SECTION C–C

NOTES:

1. SHEETPILE STRUCTURE SHALL MEET ASTM A572 GRADE 50. SECTION TYPE SHALL BE PZC–13. USE OF OTHER SHEETPILE SECTIONS MUST BE APPROVED BY THE ENGINEER.
2. SHEETPILE SHALL HAVE A 209.8' RADIUS AND SHALL HAVE A 10' OFFSET FROM A LINE RUNNING FROM ENDPOINT TO ENDPOINT OF THE SHEETPILE STRUCTURE.
3. DOWNSTREAM EXTENTS OF RIPRAP FOR SHEETPILE STA: 12+05 SHALL BEGIN AT STA: 11+97

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

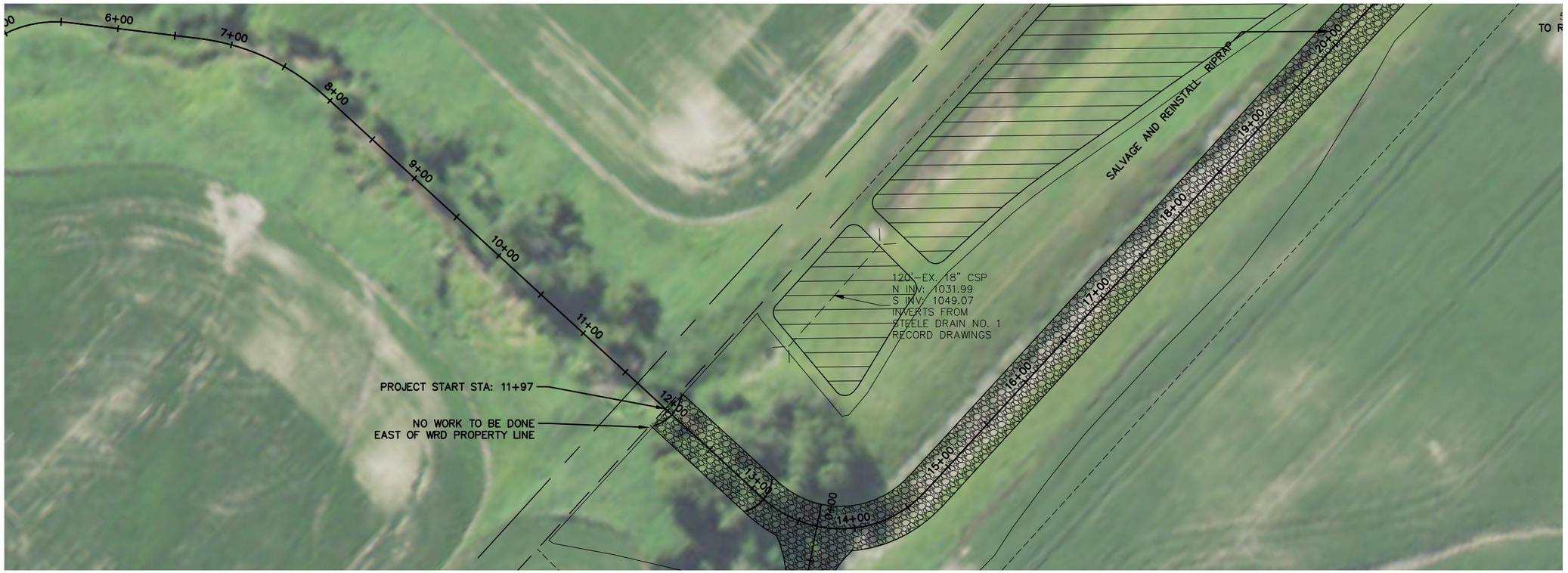
DETAILS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**SHEETPILE STRUCTURE DETAIL**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | --- |
| REV NUM: | --- |
| RECORD: | --- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

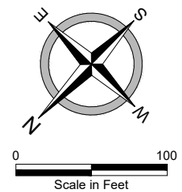
**C-205**

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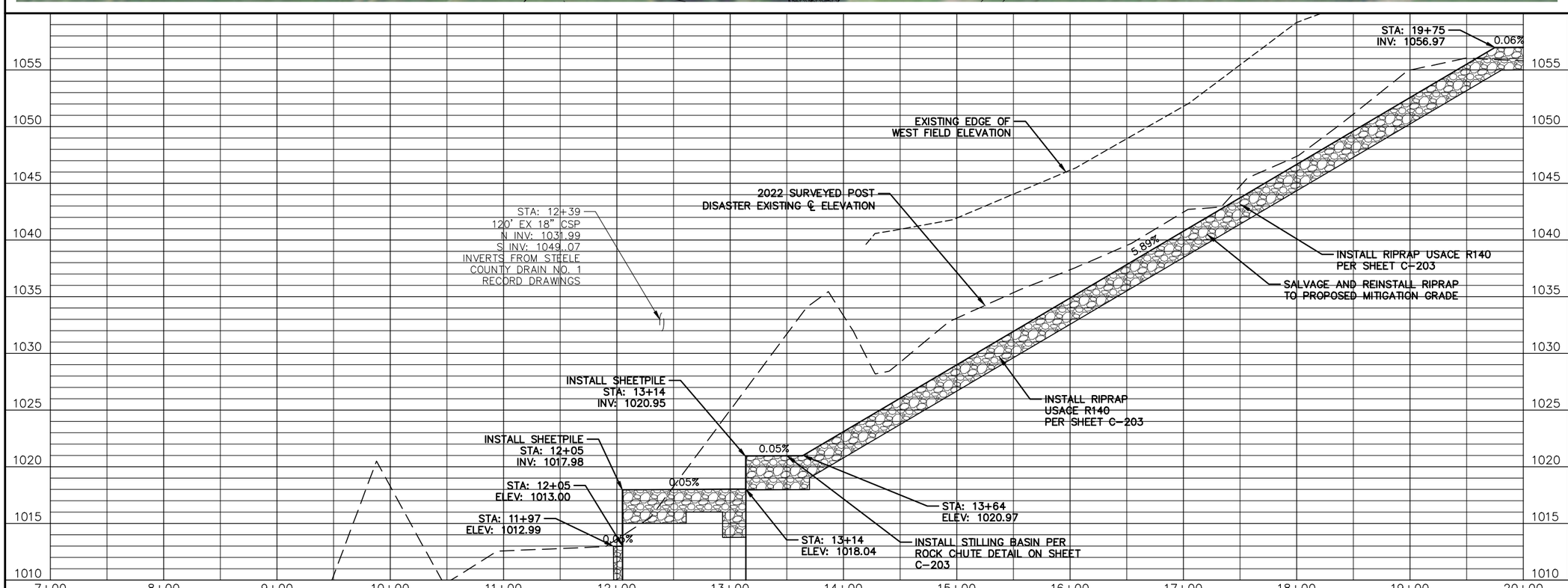
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REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-24132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA




moore engineering, inc.



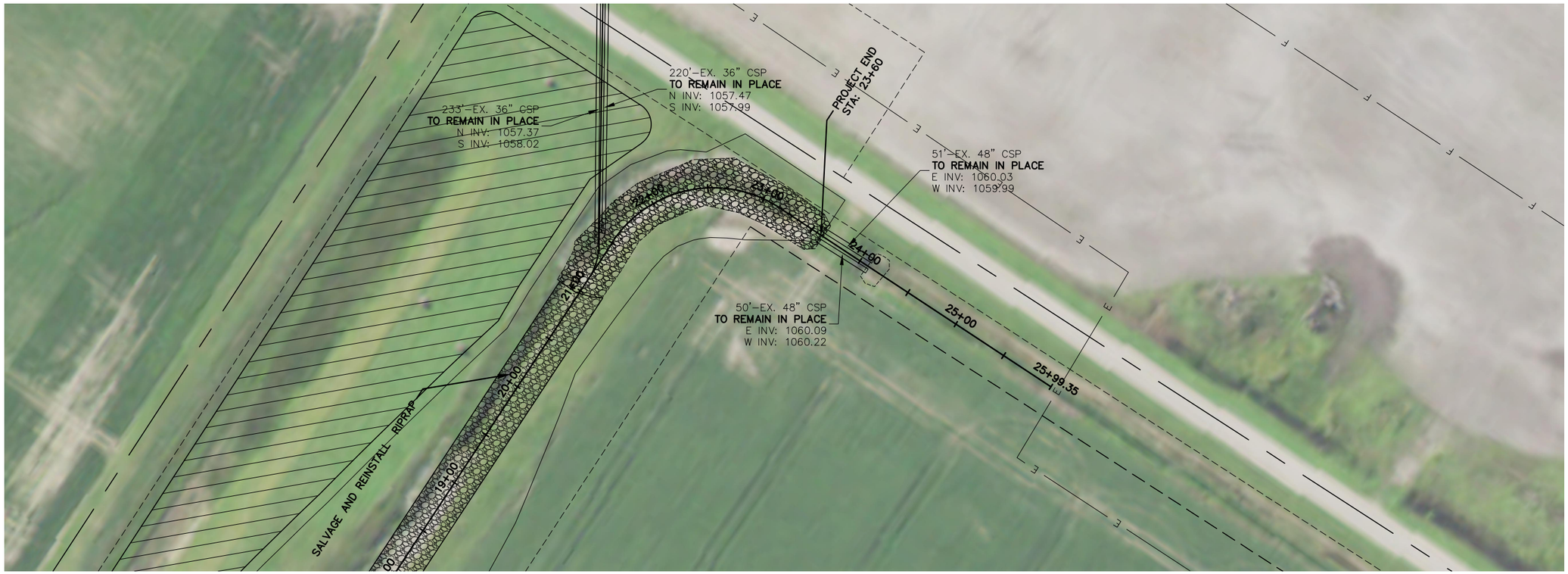

PLAN AND PROFILE
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

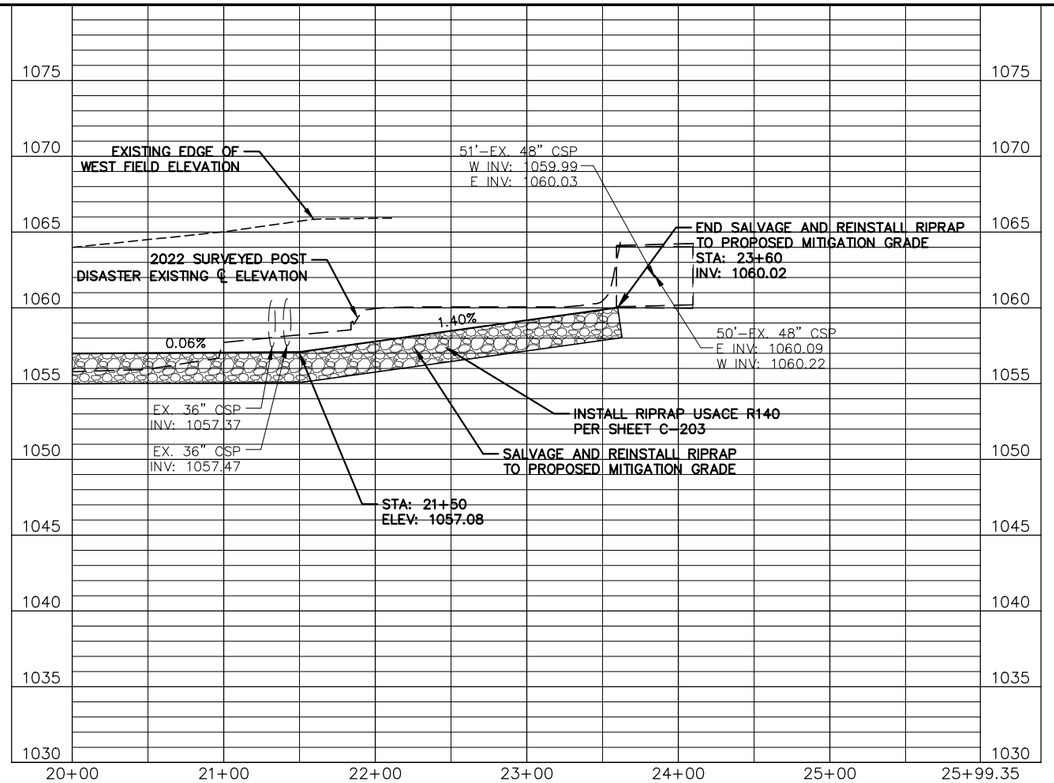
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| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-401**

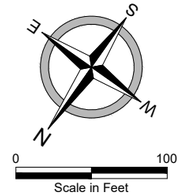
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FILE LOCATION: R:\Projects\21000\21300\21355B-DRAIN 1 OUTLET\CIVIL\PRODUCTION\21355B-PP-DRAIN-1-OULET-REPAIRS-ALT-2.dwg




REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA




moore
engineering, inc.

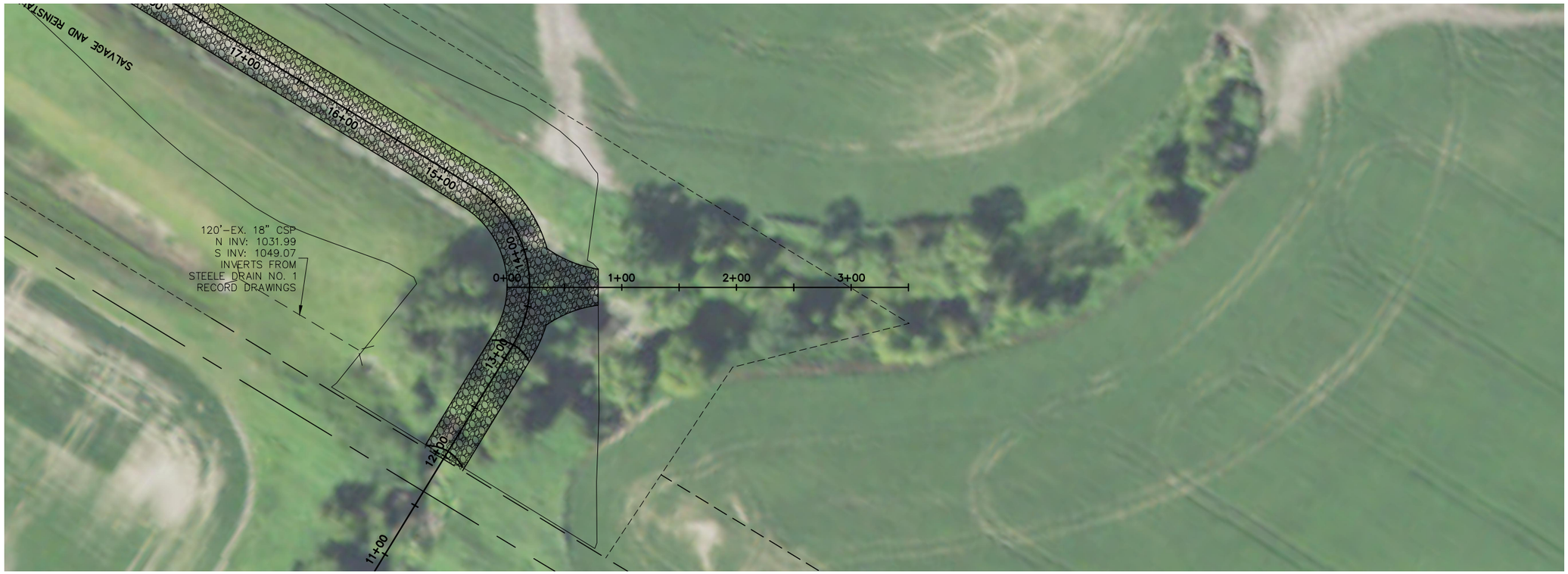
PLAN AND PROFILE
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

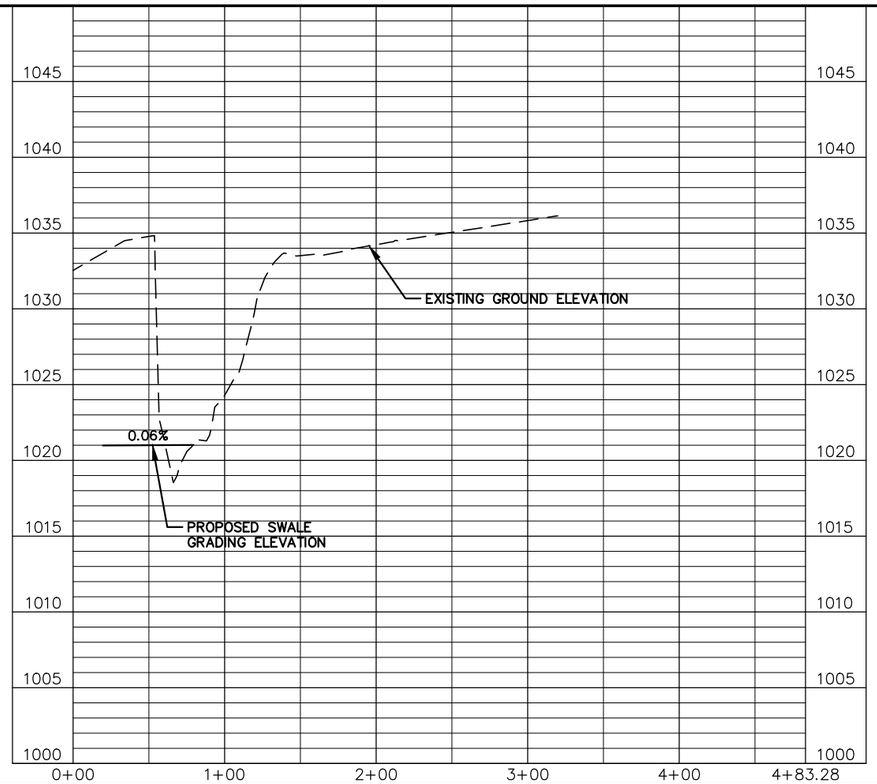
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| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-402**

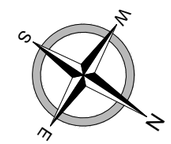
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REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25




0 100
Scale in Feet

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engineering, inc.

PLAN AND PROFILE
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 NORTHWEST SWALE AREA**

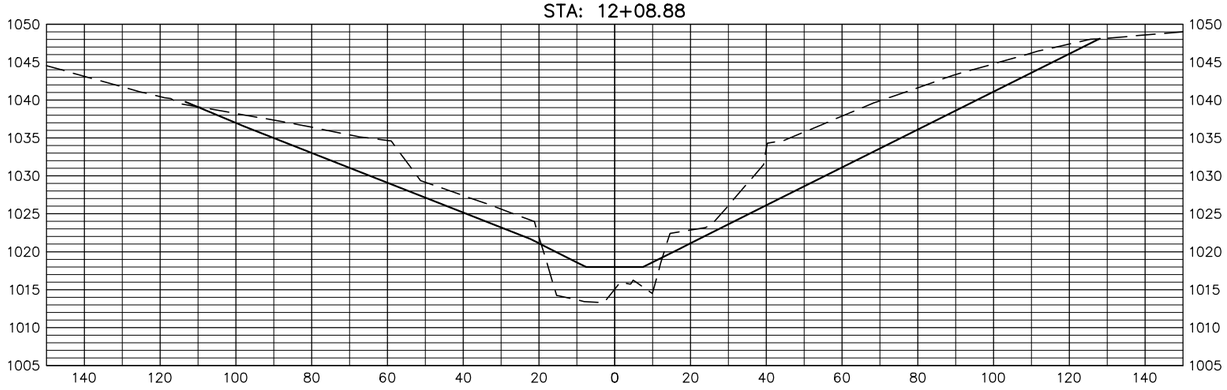
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| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-403**

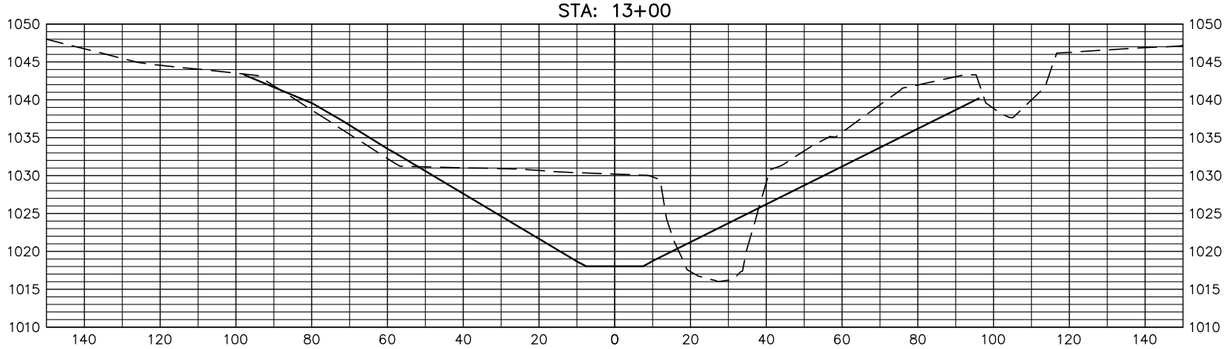
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FILE LOCATION: R:\Projects\21000\21300\21355B-DRAIN 1 OUTLET\CIVIL\PRODUCTION\21355B-SECTIONS-DRAIN-1-OULET-REPAIRS-ALT-2.dwg

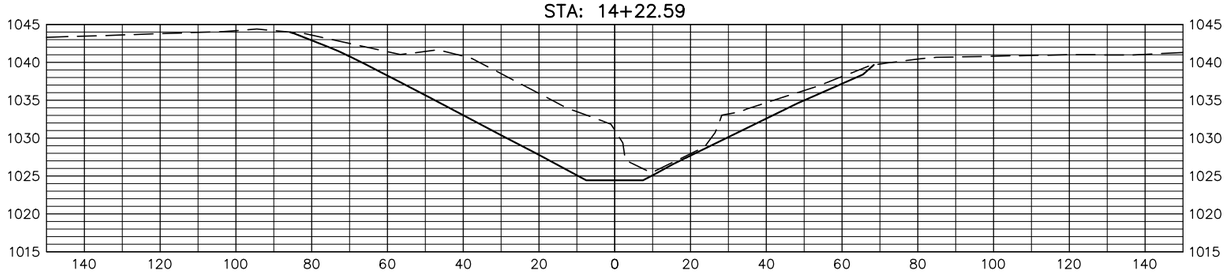
STA: 12+08.88




STA: 13+00




STA: 14+22.59




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

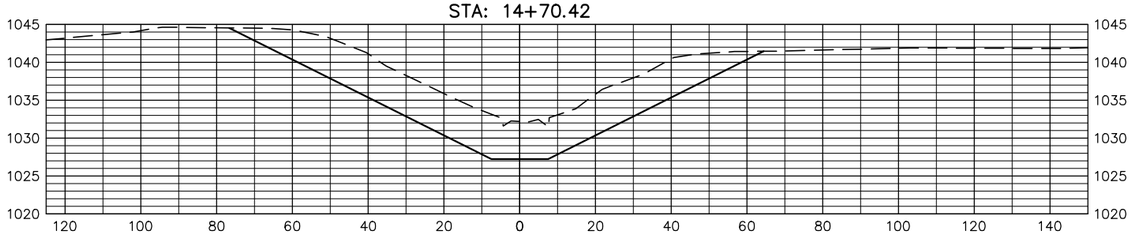
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|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-801**

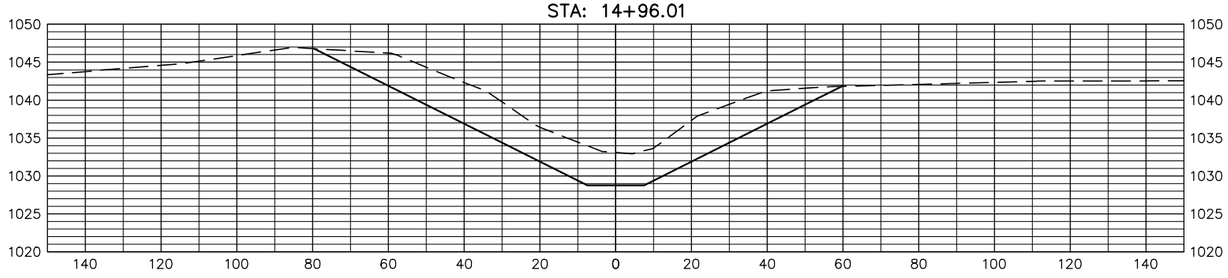
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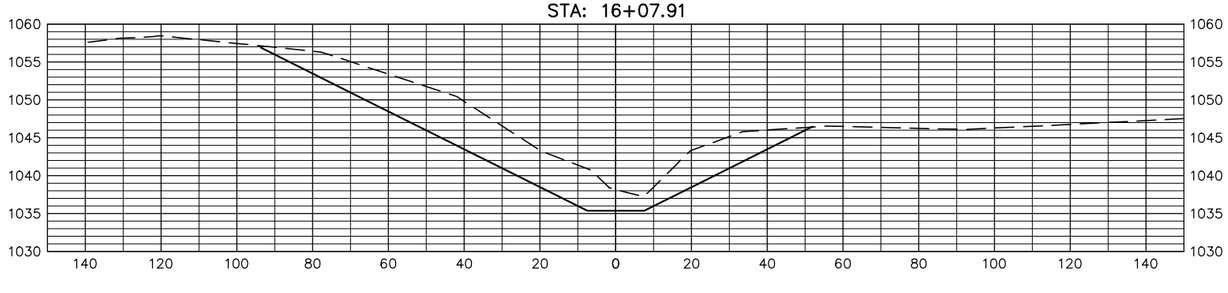
STA: 14+70.42




STA: 14+96.01




STA: 16+07.91




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

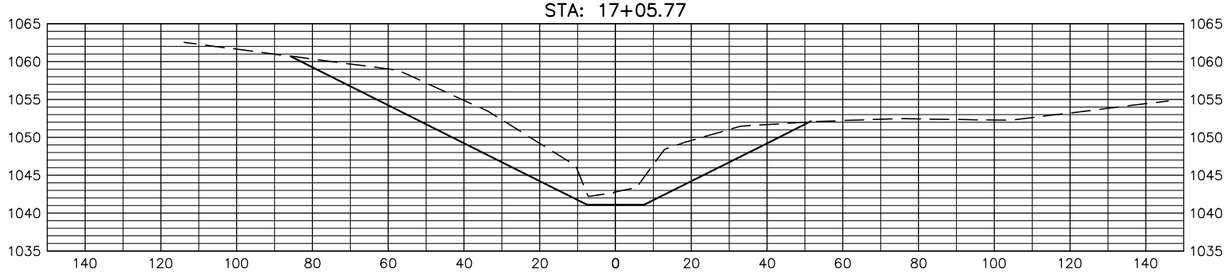
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| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-802**

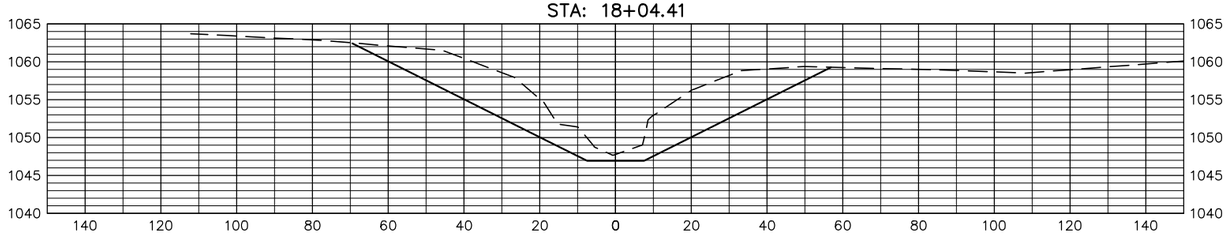
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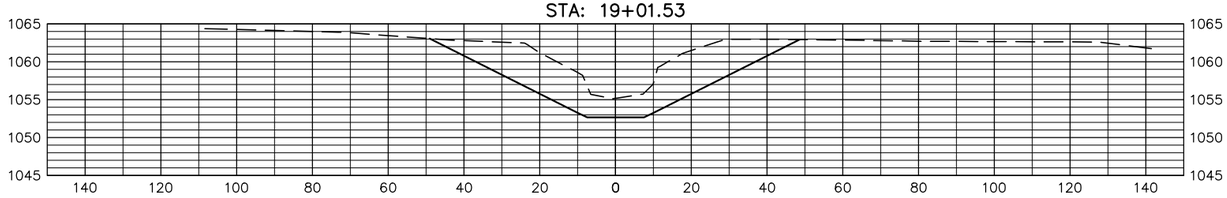
STA: 17+05.77



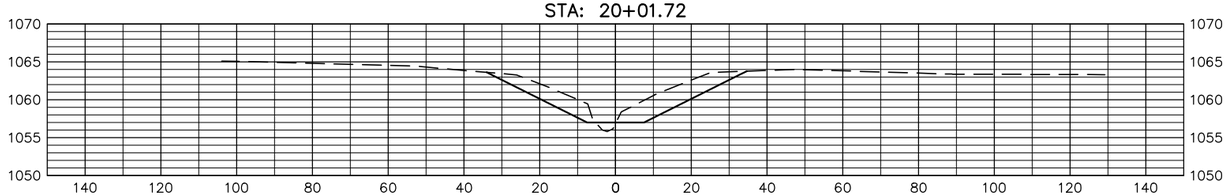

STA: 18+04.41



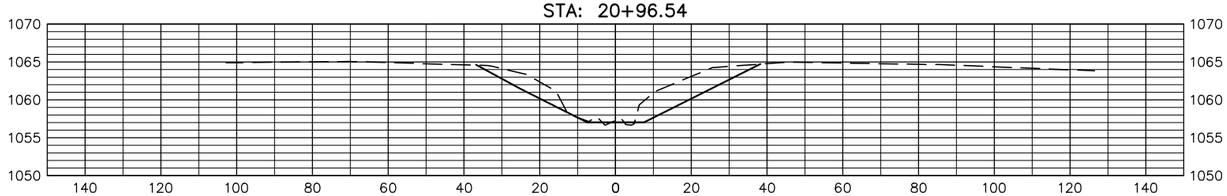

STA: 19+01.53




STA: 20+01.72




STA: 20+96.54




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

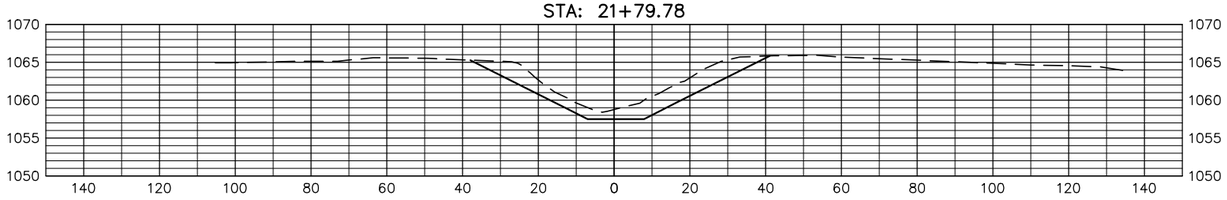
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| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-803**

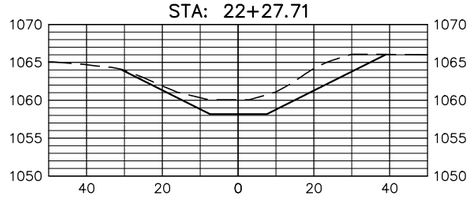
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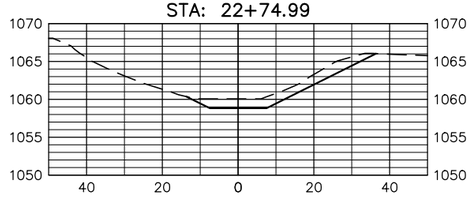
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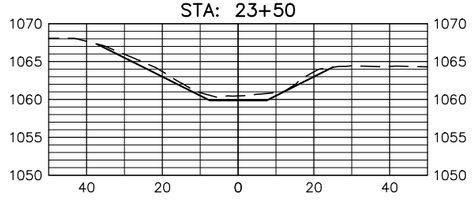

STA: 22+27.71




STA: 22+74.99




STA: 23+50




REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | --- |
| REV NUM: | --- |
| RECORD: | --- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-804**

Docusign Envelope ID: BAAF25E5-29E9-4340-8B3E-6A31351AB7A3

FILE LOCATION: R:\Projects\21000\21300\21355B-DRAIN 1 OUTLET\CIVIL\PRODUCTION\21355B-SECTIONS-DRAIN-1-OULET-REPAIRS-ALT-2.dwg

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

**EARTHWORK VOLUMES - DRAIN NO. 1 CHANNEL**

| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
|---|---|---|---|---|---|---|
| 12+08.88 | 741.23 | 114.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 13+00 | 810.99 | 144.14 | 2619.22 | 437.22 | 2619.22 | 437.22 |
| 14+22.59 | 575.66 | 0.00 | 3178.86 | 341.47 | 5798.08 | 778.69 |
| 14+70.42 | 626.02 | 0.00 | 925.00 | 0.00 | 6723.07 | 778.69 |
| 14+96.01 | 578.07 | 0.01 | 570.46 | 0.00 | 7293.53 | 778.69 |
| 16+07.91 | 580.83 | 0.01 | 2401.61 | 0.03 | 9695.15 | 778.72 |
| 17+05.77 | 524.15 | 0.01 | 2002.48 | 0.04 | 11697.62 | 778.75 |
| 18+04.41 | 487.17 | 0.00 | 1847.25 | 0.02 | 13544.87 | 778.78 |
| 19+01.53 | 363.39 | 0.00 | 1529.78 | 0.00 | 15074.65 | 778.78 |
| 20+01.72 | 119.16 | 4.13 | 895.35 | 7.66 | 15970.00 | 786.44 |
| 20+96.54 | 116.20 | 1.39 | 413.26 | 9.68 | 16383.27 | 796.12 |
| 21+79.78 | 140.72 | 0.00 | 390.93 | 2.14 | 16774.20 | 798.25 |
| 22+27.71 | 116.28 | 0.00 | 214.31 | 0.00 | 16988.51 | 798.25 |
| 22+74.99 | 56.20 | 0.00 | 135.39 | 0.00 | 17123.89 | 798.25 |
| 23+50 | 31.05 | 0.00 | 117.61 | 0.00 | 17241.50 | 798.25 |

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 CHANNEL**

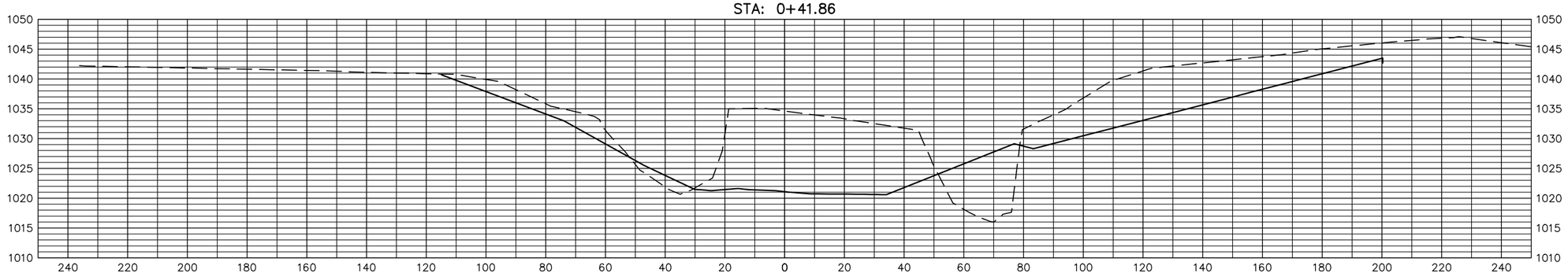
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| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-805**

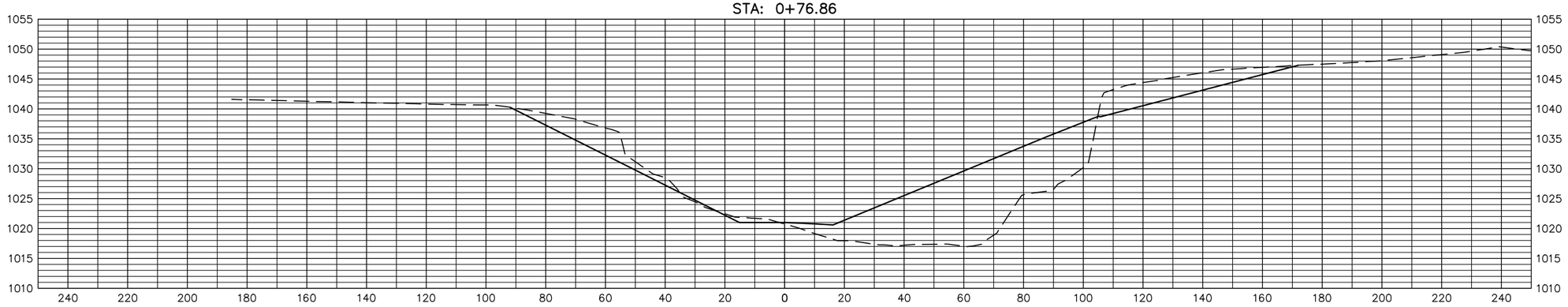
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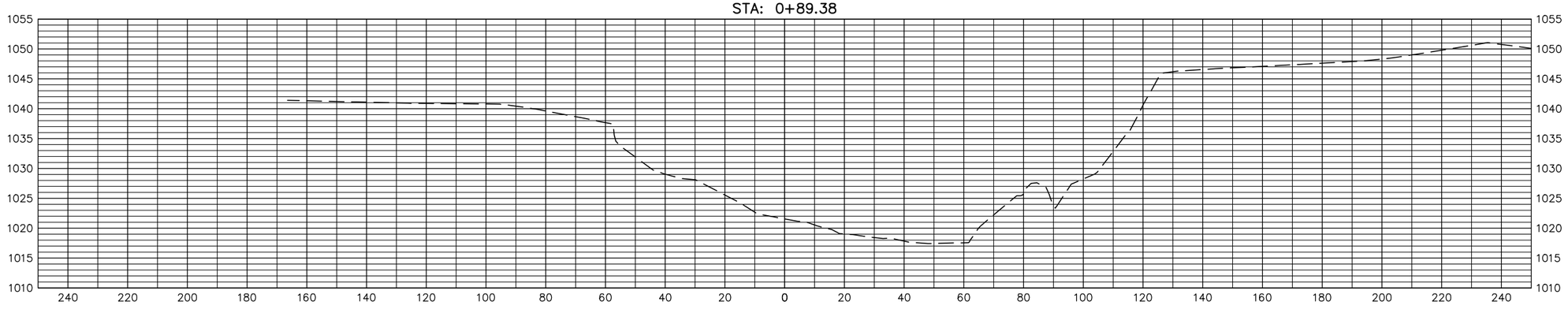
STA: 0+41.86




STA: 0+76.86




STA: 0+89.38




NORTHWEST SWALE AREA MAY BE FILLED SPOIL MATERIAL AS NECESSARY TO SHAPE AND GRADE TO DRAIN INTO DRAIN NO. 1 CHANNEL.

REGISTERED PROFESSIONAL ENGINEER
NORTH DAKOTA
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25

moore engineering, inc.

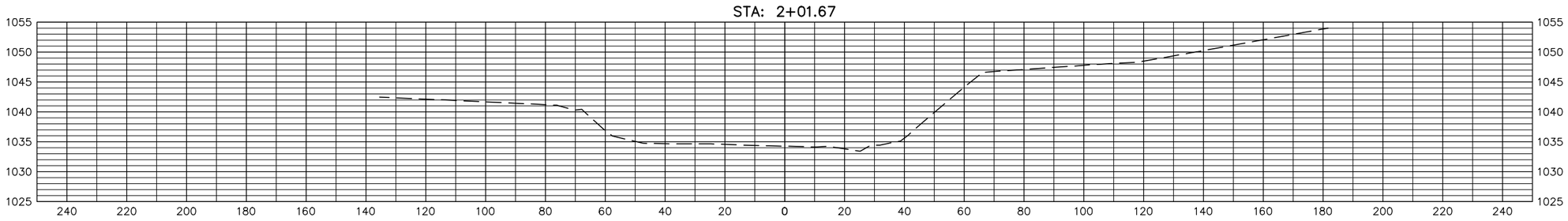
CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 NORTHWEST SWALE AREA**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-806**

Docusign Envelope ID: BAAF25E5-29E9-4340-8B3E-6A31351AB7A3

FILE LOCATION: R:\Projects\21000\21300\21355B-DRAIN 1 OUTLET\CIVIL\PRODUCTION\21355B-SECTIONS-DRAIN-1-OULET-REPAIRS-ALT-2.dwg




| EARTHWORK VOLUMES - DRAIN NO. 1 CHANNEL | | | | | | |
|---|---|---|---|---|---|---|
| Station | Cut Area ($Ft^2$) | Fill Area ($Ft^2$) | Cut Vol ($Yd^3$) | Fill Vol ($Yd^3$) | Total Cut ($Yd^3$) | Total Fill ($Yd^3$) |
| 0+41.86 | 1683.36 | 250.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 0+76.86 | 315.31 | 790.63 | 1295.53 | 675.10 | 1295.53 | 675.10 |
| 0+89.38 | 0.00 | 0.00 | 73.08 | 183.24 | 1368.61 | 858.34 |
| 2+01.67 | 0.00 | 0.00 | 0.00 | 0.00 | 1368.61 | 858.34 |

NORTHWEST SWALE AREA MAY BE FILLED WITH SPOIL MATERIAL AS NECESSARY TO SHAPE AND GRADE TO DRAIN INTO DRAIN NO. 1 CHANNEL.

REGISTERED PROFESSIONAL ENGINEER
Joshua M. Hassell
RE-9132
Joshua M. Hassell
DATE: 10/28/25
NORTH DAKOTA

moore engineering, inc.

CROSS SECTIONS
STEELE COUNTY DRAIN NO. 1 OUTLET REPAIRS
STEELE COUNTY WATER RESOURCE DISTRICT
STEELE COUNTY, NORTH DAKOTA
**DRAIN NO. 1 NORTHWEST SWALE AREA**

| | |
|---|---|
| DATE: | 10.28.25 |
| REV DATE: | ---- |
| REV NUM: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | AKS |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

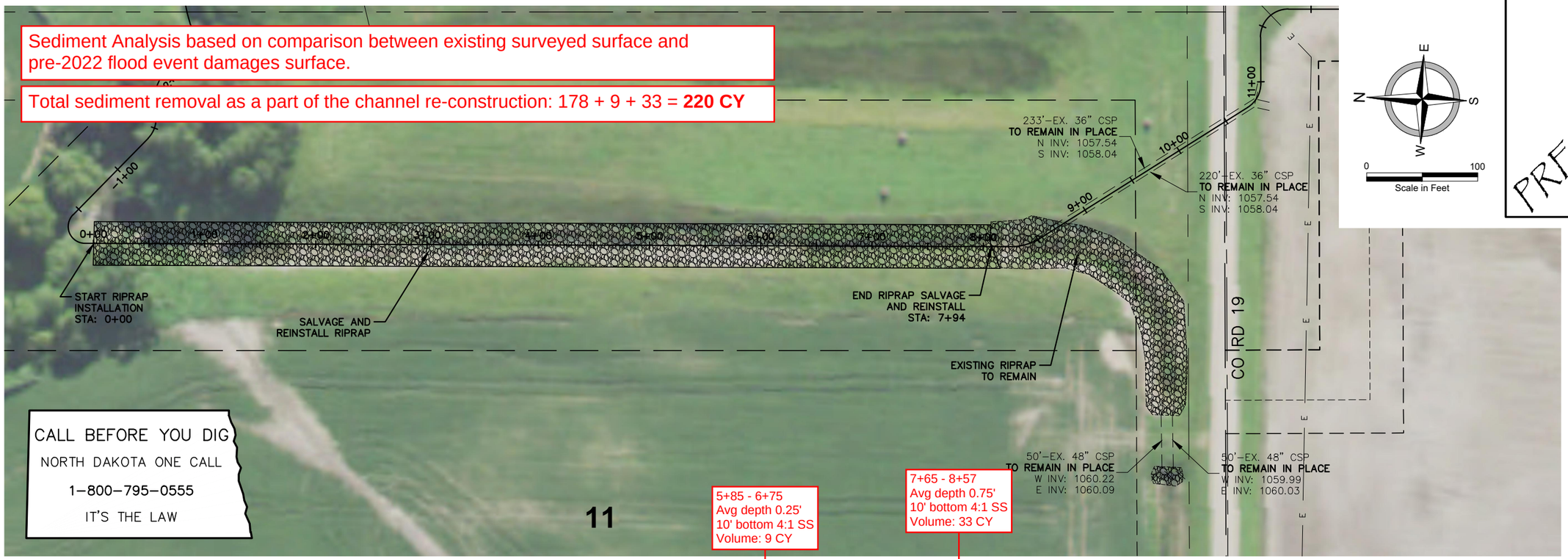
**C-807**

FILE LOCATION: R:\Projects\21000\21300\21355B\CIVIL\DESIGN\Drain 1\21355B-PP-DRAIN-1-OrigGrade.dwg

DWR Date Received : 12/29/25

Sediment Analysis based on comparison between existing surveyed surface and pre-2022 flood event damages surface.

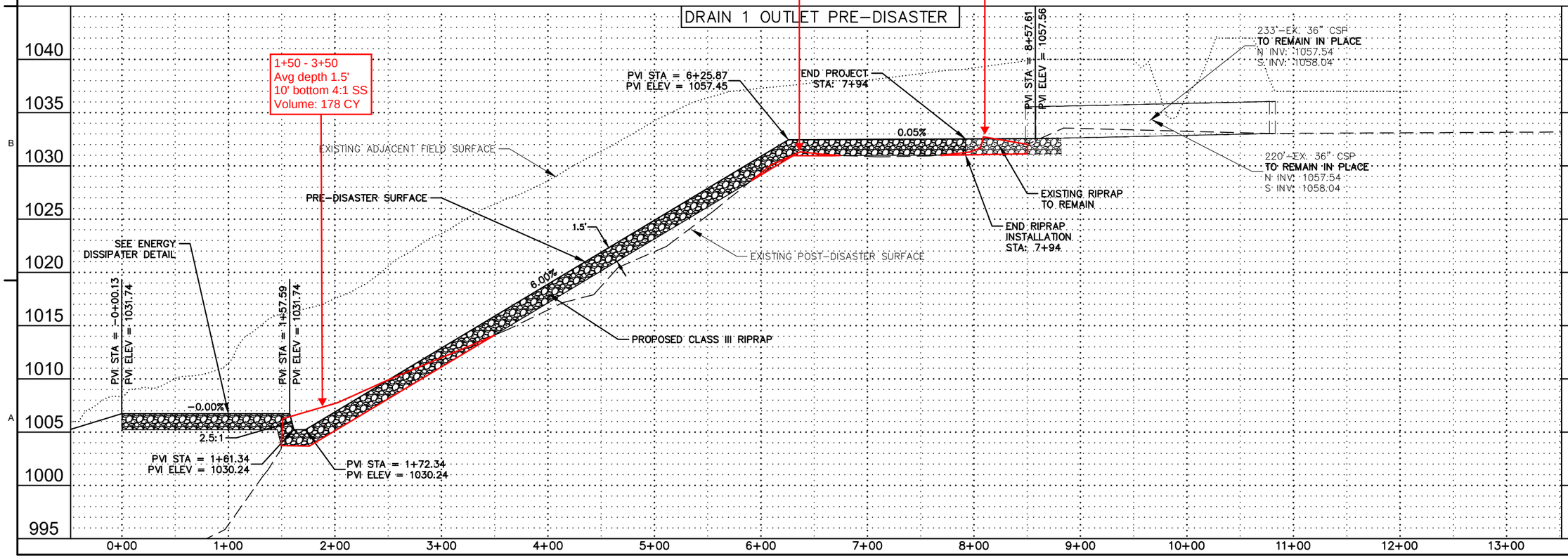
Total sediment removal as a part of the channel re-construction: 178 + 9 + 33 = **220 CY**




5+85 - 6+75
Avg depth 0.25'
10' bottom 4:1 SS
Volume: 9 CY

7+65 - 8+57
Avg depth 0.75'
10' bottom 4:1 SS
Volume: 33 CY

1+50 - 3+50
Avg depth 1.5'
10' bottom 4:1 SS
Volume: 178 CY




PRELIMINARY

moore engineering, inc.

PLAN AND PROFILE
STEELE COUNTY DRAIN NO. 1
DRAIN NO. 1 - OUTLET REPAIRS
STEELE COUNTY, NORTH DAKOTA
**PRE-DISASTER**

| | |
|---|---|
| DATE: | 11.29.22 |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| REVISED: | ---- |
| RECORD: | ---- |
| PROJECT No. | 21355B |
| MANAGER: | LMP |
| DESIGNER: | ZJT |
| DRAFTER: | RJK |
| REVIEWER: | JMH |

**C-202**

Water Development Plan: Yes (2026=5)
Plan Priority: Low

DWR Date Received :12/29/25
Revised : 1/12/26

J 1

# 1087037 - Mandan 2026 Reconstruct - Project Area 2B

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 29, 2025 3:18 PM |
| **Initially Submitted By:** | Jarek Wigness |
| **Last Submit Date:** | Jan 12, 2026 7:59 AM |
| **Last Submitted By:** | Josh Wayt |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Salutation Josh (First Name) Middle Name Wayt (Last Name) |
| **Title:** | Funding Specialist |
| **Email*:** | josh.wayt@mooreengineeringinc.com |
| **Address*:** | 925 10th Ave E<br>Suite 1<br>West Fargo (City) North Dakota (State/Province) 58078 (Postal Code/Zip) |
| **Phone*:** | (701) 200-5455 Ext.<br>Phone<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Mandan |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | |
| **Organization Website:** | |
| **Address*:** | 205 2nd Avenue NW |

| | |
|---|---|
| | Mandan North Dakota 58554-3125<br>City State/Province Postal Code/Zip |
| **Phone*:** | (701) 667-3215 Ext.<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | |
| **Comments:** | |
| DUNS 058261421 | |
| **Location Code:** | |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | Mandan 2026 Reconstruct - Project Area 2B |
| **Sponsor(s)*:** | City of Mandan |
| **County*:** | Morton |
| **City*:** | Mandan |
| **Description of Request*:** | New |
| **Project Type:** | Municipal Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Missouri River |

**Jurisdictions/Stakeholders Involved*:**

The City of Mandan and residents of the 2B neighborhood.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The drinking water, sanitary sewer, and roadway infrastructure in the project area has exceeded its life expectancy and now requires rehabilitation or replacement. In the last 20 years, there have been more than 35 breaks in the 1950's-era CIP water main in the project area. The sanitary sewer collection system is 1950's-era VCP that is characterized by frequent cracks, sags, and blockages that can lead to sewer backups. The storm sewers have surpassed their design life, and many are undersized. Lastly, the roadway conditions in the project area vary. But many areas exhibit widespread alligator cracking, potholes, and other issues that reveal base failure.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This project will replace the 1950's-era CIP water main with new PVC pipes using the open cut method. The project will also replace/rehabilitate the 1950's era VCP sanitary sewer mains. The sanitary sewers will be rehabilitated via a combination of trenchless and open cut methods. Moreover, the storm sewers will be replaced with properly sized pipes and structures to minimize drainage issues in the project area. Finally, the streets will be rehabilitated via mill and overlay in areas where the base is structurally sound. In areas exhibiting base failure, full reconstruction of the streets will occur. Other project components include streetlight and electrical wire replacement, localized curb replacement to address drainage issues, and pedestrian access improvements to meet federal regulations.

**Describe the Objectives or Goals Specific to This Application*:**

The City is seeking DWR 60% cost share assistance for water-eligible preconstruction activities.

**Describe the Scope of Work or Project Activities Specific to This Application*:**

The City is seeking DWR cost share assistance for water-eligible preconstruction activities. This includes public engagement, environmental review, preliminary design, final design, and bidding and negotiation assistance.

For this project,

**Choose City, County, Water District or Other*:** City

**What is the Current Estimated Population?*:** 24210

For this project,

**What is the Benefited Population?*:** 1250

**Have Assessment Districts Been Formed?*:** Ongoing

**Have Land or Easements Been Acquired?*:** N/A

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** Yes

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

The CIP watermains and the VCP sanitary sewer mains are more than 70 years old and have exceeded their intended useful life. The roadways above these utilities will be rehabilitated or reconstructed as part of the project's scope.

**Have You Applied For Any Federal Permits?*:** N/A

**Have You Applied for any State Permits?*:** No

**Have You Applied for any Local Permits?*:** N/A

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** No

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 12/31/2023

**Design Completion*:** 07/01/2026

**Bid*:** 08/01/2026

**Construction Start*:** 09/01/2026

**Construction Completion*:** 10/31/2027

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

**Consulting Engineer*:** Grant Dockter

**Engineer Direct Phone Number*:** 701-425-1842

| | |
|---|---|
| **Engineer Email*:** | grant.dockter@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Jarek (First Name) Wigness (Last Name) 12/29/2025 (Date) |
| **Title/Position/Authority*:** | City Engineer |
| **Address*:** | 205 2nd Ave NW<br>Address Line 1<br>Address Line 2<br>Mandan (City) North Dakota (State) 58554-____ (Zip Code) |
| **Direct Phone Number*:** | 701-667-3227 |
| **Sponsor Email*:** | jarek.wigness@cityofmandan.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | James (First Name) Froelich (Last Name) |
| **Authorized Signor Title/Position:** | President of the Board of City Commissioners |
| **Authorized Signor Email:** | james.froelich@cityofmandan.com |
| **Authorized Signor Direct Phone Number:** | 701-301-6792 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Ryan (First Name) Heinsohn (Last Name) |
| **Additional Board Member Title/Position:** | Vice President of the Board of City Commissioners |
| **Additional Board Member Email:** | ryan.heinsohn@cityofmandan.com |
| **Additional Board Member Direct Phone Number:** | 701-425-3398 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map** Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community *: | 31032_Mandan 2B_Precon_ProjectMap.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 30712_MandanProperNW_DWRPrecon_Minutes_DRAFT.pdf.docx |
| **Cover Letter:** | 30132_Mandan 2B_Precon_Cover Letter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 31032_Mandan 2B_Precon_Delineation.xlsx |
| **Type of Request:** | Preconstruction |
| **Is This a Water Supply Project?:** | Yes |

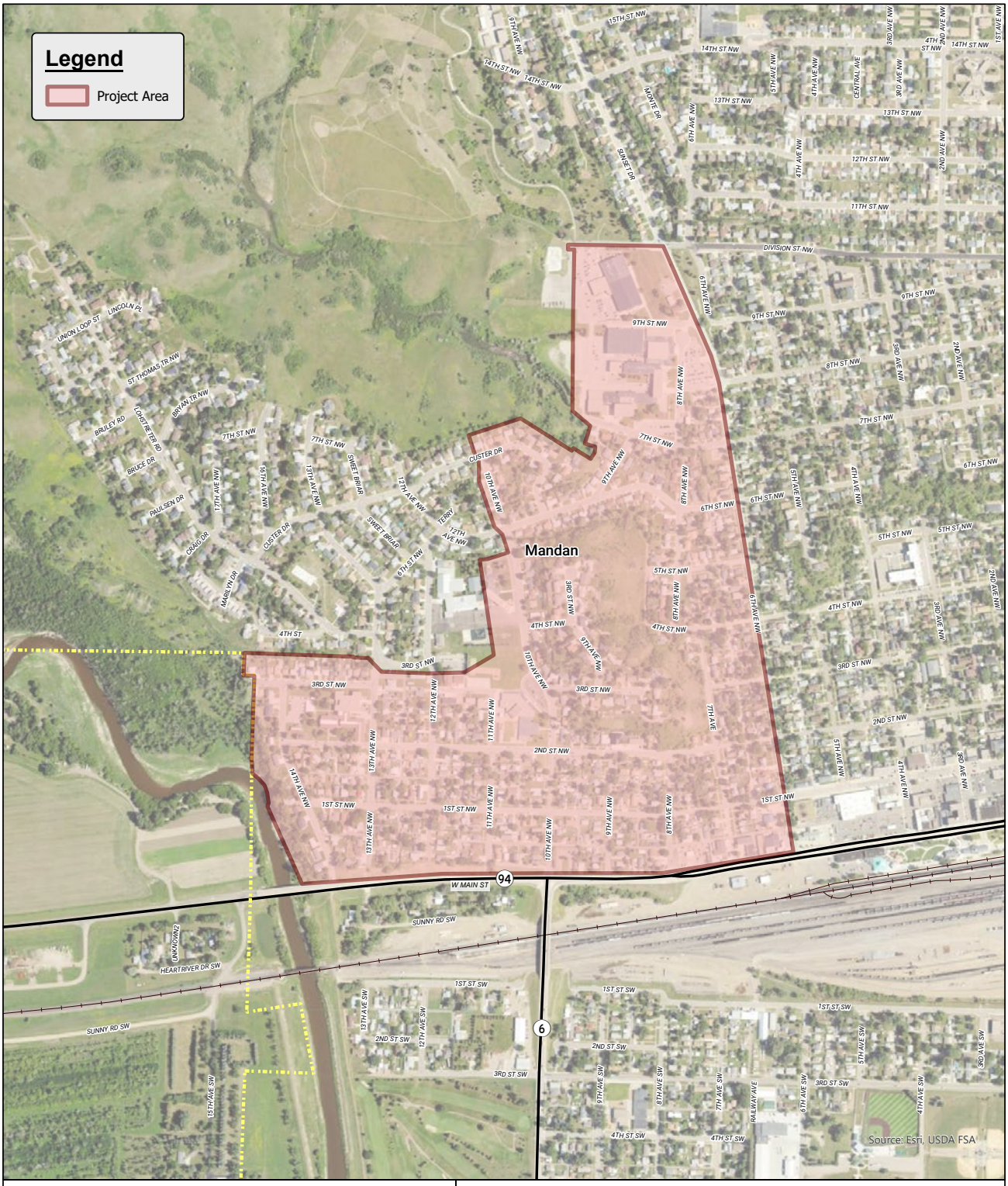
CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

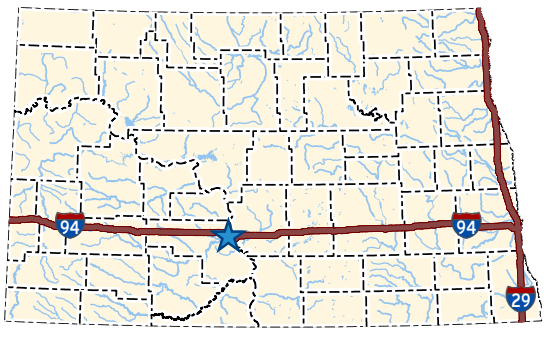
| | |
|---|---|
| **Life Cycle Cost Analysis:** | 31032_Mandan 2B_Precon_LCCA.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | Yes |
| **Feasibility/Engineering Study Material:** | 31032_Mandan 2B_Precon_PCR_20231211.pdf |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Current Request | $228,357.00 | $0.00 | $0.00 | $228,357.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Future Request | $0.00 | $4,156,536.00 | $0.00 | $4,156,536.00 | | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $723,130.00 | $0.00 | $0.00 | $723,130.00 | | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $0.00 | $13,058,416.00 | $0.00 | $13,058,416.00 | | 0.00 | 0.00 |
| | | | **$951,487.00** | **$17,214,952.00** | **$0.00** | **$18,166,439.00** | | | |







# MANDAN STREET RECONSTRUCTION - AREA 2B
# MANDAN, NORTH DAKOTA

Created By: HS Date Created: 12/18/2025 Date Saved: 12/18/25 Date Exported: 12/18/25
Exported By: hunter.sunderman Parcel Date: State Parcels N/A Aerial Image: NAIP Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
T:\Projects\23500\23590\10_ArcPro\Mandan_DWR_Exhibit\Mandan_DWR_Template.aprx

N W E S

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | Mandan 2026 Reconstruct - Project Area 2B |
| **Sponsor :** | City of Mandan |
| **Contact :** | Jarek Wigness, City Engineer |
| **Phone :** | 701-667-3225 |
| **Engineer :** | Grant Dockter, Moore Engineering |
| **Phone :** | 701-425-1842 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 18,166,439.36 | **Total Cost-Share* :** | $ 4,384,893.44 |
| **Ineligible Cost :** | $ 10,858,283.63 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 7,308,155.73 | **Preconstruction :** | $ 228,356.82 |
| **Local Cost :** | $ 13,781,545.92 | **Construction :** | $ 4,156,536.62 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 2.1% | Preliminary Design | 1 | LS | 380,594.70 | $ 380,594.70 | 60% | $ 228,356.82 |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 2.1% | **Preconstruction Total** | | | | $ 380,594.70 | 60% | $ 228,356.82 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 1.1% | Construction Contract Mmgt. | 1 | LS | 200,000.00 | $ 200,000.00 | 60% | $ 120,000.00 |
| 12 | 1.3% | Construction Observation | 1 | LS | 239,147.73 | $ 239,147.73 | 60% | $ 143,488.64 |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 2.4% | **Construction Engineering Total** | | | | $ 439,148 | 60% | $ 263,488.64 |
| | | **Construction Costs** | | | | | | |
| 15 | 0.8% | Mobilization | 1 | LS | 140,000.00 | $ 140,000.00 | 60% | $ 84,000.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 7.5% | Paving | 15100 | SY | 90.05 | $ 1,359,704.44 | 60% | $ 815,822.66 |
| 19 | 0.2% | Landscaping | 16640 | SY | 1.73 | $ 28,800.00 | 60% | $ 17,280.00 |
| 20 | 0.0% | Erosion Control | 1 | LS | 8,000.00 | $ 8,000.00 | 60% | $ 4,800.00 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 21 | 0.1% | Traffic Control | 1 | LS | 10,000.00 | $ 10,000.00 | 60% | $ 6,000.00 |
| 22 | 0.1% | Testing Allowance | 1 | LS | 24,000.00 | $ 24,000.00 | 60% | $ 14,400.00 |
| 23 | 5.3% | Concrete | 14355 | SY | 67.28 | $ 965,833.11 | 60% | $ 579,499.87 |
| 24 | 1.0% | Curb and Gutter | 2760 | LF | 67.00 | $ 184,920.00 | 60% | $ 110,952.00 |
| 25 | 1.4% | Connection to Existing Line | 50 | EA | 5,200.00 | $ 260,000.00 | 60% | $ 156,000.00 |
| 26 | 6.4% | Water Main 8 in | 7200 | LF | 160.28 | $ 1,154,000.00 | 60% | $ 692,400.00 |
| 27 | 1.3% | Water Main 12 in | 1400 | LF | 175.00 | $ 245,000.00 | 60% | $ 147,000.00 |
| 28 | 3.1% | Curb Stop | 250 | EA | 2,250.00 | $ 562,500.00 | 60% | $ 337,500.00 |
| 29 | 1.9% | Water Service Line | 7000 | LF | 50.00 | $ 350,000.00 | 60% | $ 210,000.00 |
| 30 | 1.8% | Gate Valve | 53 | EA | 6,132.08 | $ 325,000.00 | 60% | $ 195,000.00 |
| 31 | 1.4% | Hydrant | 26 | EA | 10,000.00 | $ 260,000.00 | 60% | $ 156,000.00 |
| 32 | 0.1% | Hydrant - Remove | 26 | EA | 800.00 | $ 20,800.00 | 60% | $ 12,480.00 |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 5,898,557.55 | 60% | $ 3,539,134.53 |
| | 3.2% | **Allowable Contingency (10%)** | | | | $ 589,855.75 | 60% | $ 353,913.45 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 35.7% | **Construction Total** | | | | $ 6,488,413.30 | 60% | $ 3,893,047.98 |
| | | Eligible Preconstruction | | | | $ 380,594.70 | 60% | $ 228,356.82 |
| | | Eligible Construction | | | | $ 6,927,561.03 | 60% | $ 4,156,536.62 |
| | | **Eligible Total** | | | | $ 7,308,155.73 | 60% | $ 4,384,893.44 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 3.1% | Other Preconstr. Eng. (Not Water Related) | 1 | LS | 570,892.04 | $ 570,892 | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 3.1% | **Preconstruction Ineligible Total** | | | | $ 570,892 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.1% | Legal Expenses | 1 | LS | 15,000.00 | $ 15,000.00 | 0% | $ - |
| 42 | 3.6% | Other Constr. Eng. (Not Water Related) | 1 | LS | 658,721.59 | $ 658,721.59 | 0% | $ - |
| 43 | 52.9% | Other Constr. (Not Water Related) | 1 | LS | 9,613,670.00 | $ 9,613,670.00 | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 56.6% | **Construction Ineligible Total** | | | | $ 10,287,391.59 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 10,858,283.63 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 18,166,439.36 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 7,308,155.73 | 60% | $ 4,384,893.44 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Mandan
**Project Title:** 2026 Reconstruct - Project Area 2B **Date:** January 5, 2026

**Explanation of Alternatives:**

Open Cut Water Main Replacement (Water Eligible Only) - This project will replace the 1950's-era CIP water main with new PVC pipes using the open cut method.
Open Cut Water Main Replacement and Sewer Rehab/Replacement (All Costs) - This project will replace the 1950's-era CIP water main with new PVC pipes using the open cut method. The project will also show costs to replace/rehabilitate the 1950's era VCP sanitary sewer mains. The sanitary sewers will be rehabilitated via a combination of trenchless and open cut methods. Moreover, the storm sewers will be replaced with newly sized pipes and structures to minimize drainage issues in the project area
Do Nothing - This alternative leaves the existing water distribution system in its current state.

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 498 |
| Net Connections (New + Current) | 498 |

| | |
|---|---|
| Current CIF Balance | NA |
| Annual CIF Contribution | NA |
| Cash Funding Target (Percentage %) New Assets | NA |
| Cash Funding Target (Percentage %) Existing Asets | NA |
| Annual CIF Contribution suggested for the Project | NA |

| | Open Cut Water Main Replacement (Water Eligible Only) | Open Cut Water Main Replacement and Sewer Rehab/Replacement (All | Do Nothing | |
|---|---|---|---|---|
| Construction Cost | $7,308,155 | $18,166,439 | $0 | |
| Annual O & M | $10,000 | $10,000 | $100,000 | |

**Details:**

The Do Nothing alternative includes capital cost which don't make sense as that would be doing something and not nothing. It should all be part of O&M or specifically explained. They also included inflation in this section which is addressed in the LCCA model in the use of the discount rate. DWR STAFF REMOVED THOSE CAPITAL COSTS.

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Open Cut Water Main Replacement (Water Eligible Only) | Open Cut Water Main Replacement and Sewer Rehab/Replacement (All Costs) | Do Nothing | |
|---|---|---|---|---|
| Capital Costs | $7,210,000 | $17,923,000 | $0 | |
| O&M | $257,000 | $257,000 | $2,774,000 | |
| Repair, Rehab, Replacement | $1,931,000 | $1,931,000 | $0 | |
| Salvage Value | $306,000 | $306,000 | $0 | |
| **Total PVC** | **$9,092,000** | **$19,805,000** | $2,774,000 | |
| | | | | |
| **PV Cost Per User** | **$18,257** | **$39,769** | **$5,570** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$51** | | | |
| **Comparable Water Rate** | | **$47** | | | |
| Net Connections (New + Current) | | 498 | 498 | 498 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $2,884,000 | $7,169,200 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $2,884,000 | $7,169,200 | $0 | |
| **Payment Per User With Cost-Share** | | **$29.30** | **$72.83** | **$0.00** | |
| | Local Share | $7,210,000 | $17,923,000 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $7,210,000 | $17,923,000 | $0 | |
| **Payment Per User Without Cost-Share** | | **$73.24** | **$182.07** | **$0.00** | |

**Explanation of Results:**

The sponsor preferred project is the “Open Cut Water Main Replacement” option. The present value cost of the preferred alternative is $9,092,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $3,232,000. The present value cost per user for the preferred alternative is $18,257. The monthly user cost of the local share with DWR 60% cost-share participation is $29.30 per month and $73.24 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2020 | | |
| Population & Trends | 18,331 | 24,206 | 3.2% | 588 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/29/25

CITY OF MANDAN
WHERE THE WEST BEGINS
Engineering

December 23rd, 2025

Beth Nangare
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: Mandan 2026 Reconstruct – Project Area 2B Preconstruction Cost Share Request

Dear Beth:

The City of Mandan has initiated a project to replace the existing watermain in the 2B project area. The watermain in this area consists of Cast Iron Pipe (CIP) that is more than 70 years old. The CIP is now well beyond its useful life, and the area has repeatedly experienced costly and disruptive breaks in recent years.

The watermain replacement is an integral component of a broader effort that will also include the replacement and/or rehabilitation of sanitary sewer, storm sewer, and roadway infrastructure in the 2B project area. Preliminary cost estimates indicate that the water eligible portion of the work constitutes 40% of the project's total cost.

The City has contracted with Moore Engineering Inc. (Moore) to perform design and other preconstruction engineering services. The City respectfully requests 60% cost share for the water-eligible portion of these preconstruction activities, which include public engagement, environmental review, preliminary design, final design, and bidding/negotiation.

We appreciate your willingness to support the City's efforts to provide safe, reliable, and cost-effective drinking water to its residents and visitors. If you have any questions, please feel free to contact me or the City's engineering consultant, Grant Dockter, at (701) 425-1942 or grant.dockter@mooreengineeringinc.com.

Thank you.

Sincerely,

CITY OF MANDAN, NORTH DAKOTA
Jarek Wigness
City Engineer

DWR Date Received : 12/29/25

New Business No. 1

# Board of City Commissioners

# Agenda Documentation

**MEETING DATE:** January 6, 2026
**PREPARATION DATE:** December 30, 2026
**SUBMITTING DEPARTMENT:** Engineering & Planning
**DEPARTMENT DIRECTOR:** Jarek Wigness, PE
**PRESENTER:** Jarek Wigness, City Engineer
**SUBJECT:** Mandan 2026 Street Reconstruction – Area 2B DWR Application

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STATEMENT/PURPOSE: To consider submitting an application for North Dakota Department of Water Resources Cost Share for preliminary engineering for the Mandan 2026 Street Reconstruction Project.

BACKGROUND/ALTERNATIVES: In 2023 the City brought forth an improvement district for the 2b project area. The project included water main replacement and street rehabilitation. During the protest period, the project received over 51% protest and did not move forward.

Since 2023, there have been multiple water main breaks leading to water disruptions and costly repairs.

To assist with project costs, the City is seeking funding to decrease the local share. The City is seeking funding for preliminary engineering for water related items.

FISCAL IMPACT: The City is seeking $228,356.82 for preliminary engineering work.

STAFF IMPACT: Significant time and effort working alongside Moore Engineering on this project.

LEGAL REVIEW: All commission documents have been forwarded to the City Attorney for review.

RECOMMENDATION: Approve the Department of Water Resources application for Mandan 2026 Street Reconstruction.

SUGGESTED MOTIONS:

1. Move to approve the Department of Water Resources application for Mandan 2026 Street Reconstruction.

The Mandan City Commission met in regular session at 5:30 PM on January 6, 2026 in the Ed "Bosh" Froehlich Meeting Room at City Hall, Mandan, North Dakota. Mayor Froelich called the meeting to order.

A. ROLL CALL

1. *Roll call of all City Commissioners*. Those present were Dennis Rohr, Mike Braun, James Froelich, Craig Sjoberg, Ryan Heinsohn. Department heads present were City Administrator Neubauer, Finance Director Welch, Assistant Finance Director Schulz, Assessor Markley, Human Resource Director Berger, City Engineer Wigness, Assistant City Engineer McAdoo-Roesler, Deputy Chief Bier, Building Official Singer, Fire Chief Bitz, Public Works Director O'Keefe, Business Development & Communications Director Cermak, Contracted Planner Laqua, CIS Manager Mischel, Administrative Assistant Newman, and Attorney Oster.

B. THE PLEDGE OF ALLEGIANCE

C. ANNOUNCEMENTS

1. *2026 Homestead, Veterans & Primary Residence Credit Programs*. City Assessor Markley presented.

2. *Update and Thank You's on New Year's Eve Celebration - Mandan Progress Organization, Matt Schanandore*. Mandan Progress Organization Executive Director Matt Schanandore presented.

3. *Project Updates*. City Engineer Wigness presented.

D. PUBLIC COMMENT There was one public comment prior to the meeting.

E. APPROVAL OF AGENDA Commissioner Braun moved and Commissioner Sjoberg seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

F. MINUTES

1. *Consider Approval of the December 16, 2025 Board of City Commission Meeting Minutes*. Commissioner Heinsohn moved and Commissioner Rohr seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

G. PUBLIC HEARING

1. *Consider an amendment to a Special Use Permit by amending the proposed site plan for Lot 1, Block 1, Bridgeview Bay Addition*. City Building Official Singer presented. Mayor Froelich opened the public hearing and invited the public to come forward to comment. A second and third invitation for comment was given. Hearing none, the public hearing closed. Commissioner Sjoberg moved and Commissioner Braun seconded to recommend approval of the amendment to the special use permit by amending the proposed site plan to the presented site plan, for 2600 Marina Road SE. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Consider a resolution determining the sufficiency/insufficiency of protests for Street Improvement District 241 (Red Trail)*. City Engineer Wigness presented. Mayor Froelich opened the public hearing and invited the public to come forward to comment. A second and third invitation for comment was given. Hearing none, the public hearing closed.

H. BIDS

1. *Consider awarding bids for the Terra Vallee Decommissioning project*. Assistant City Engineer McAdoo-Roesler presented. Commissioner Braun moved and Commissioner Sjoberg seconded

to award the bid for Terra Vallee Decommissioning to Crow River Construction. Roll Call vote: Aye 5, Nay 0. The motion passed.

I. CONSENT AGENDA Commissioner Braun moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

1. *Consider the 2026 budget amendment and contract Amendment 2, with Interstate Engineering for planning department assistance*.

2. *Consider Abatements*.

a. *2024 Veterans Credit Abatement for Brady Wolf.*

b. *2025 Veterans Credit Abatement for Johnathan Allen*.

c. *2025 Veterans Credit Abatement for Soma/Torger*.

3. *Consider a change order related to the 2026 Pierce Fire Truck.*

4. *Consider designation of financial institutions as depositories for City's funds*.

5. *Consider approval of a raffle permit for Knife River Corporation*.

6. *Consider Approval of Morton Mandan Public Library's Destination Grant Agreement*.

7. *2026 Appointments to the Mandan Growth Fund Committee*.

8. *2026 Appointments to the Renaissance Zone Committee*.

J. OLD BUSINESS

K. NEW BUSINESS

1. *Consider a task order amendment to proceed with design for the Red Trail reconstruction project*. City Engineer Wigness presented. Commissioner Heinsohn moved and Commissioner Sjoberg seconded to approve Amendment 1 of Task Order 9, as presented. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Consider an engineering agreement and submitting a State Water Commission funding application for Area 2B (near Roosevelt Elementary)*. City Engineer Wigness presented. Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve Task Order 11, as presented and to authorize the submission of the State Water Commission application, as presented. Roll Call vote: Aye 5, Nay 0. The motion passed.

3. *Consider entering into an agreement with EAPC Architects for Fire Station 3*. Fire Chief Bitz presented. Commissioner Rohr moved and Commissioner Heinsohn seconded to allow staff to enter into agreement with EAPC Architects and amend the 2026 Fire Department Budget as presented. Roll Call vote: Aye 5, Nay 0. The motion passed.

L. RESOLUTIONS AND ORDINANCES

1. *Second consideration of Ordinance 1482, a zone change from RM - Residential Multi Family and Agriculture to RM - Residential Multi Family for Big Sky Estates 8th Add.*. Planner Laqua presented. Commissioner Heinsohn moved and Commissioner Sjoberg seconded to approve the second consideration of Ordinance 1482. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Consider a resolution determining the sufficiency/insufficiency of protests for Street Improvement District 241 (Red Trail)*. City Engineer Wigness presented. Mayor Froelich opened the public hearing and invited the public to come forward to comment. A second and third invitation for

comment was given. Hearing none, the public hearing closed. Commissioner Rohr moved and Commissioner Sjoberg seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

M. OTHER BUSINESS

N. FUTURE MEETING DATES FOR BOARD OF CITY COMMISSIONERS

*Tuesday, January 13, 2026 at 2 p.m., Working Session - Financing Options for Public Facility Projects*.

*Tuesday, January 20, 2026 at 5 p.m.*.

*Tuesday, February 3, 2026 at 5:30 p.m.*.

*Tuesday, February 17, 2026 at 5 p.m.*.

*Tuesday, March 3, 2026 at 5:30 p.m.*.

O. ADJOURN There being no other business to come before the Board, the meeting adjourned at 6:14 p.m.

James Neubauer
City Administrator

James Froelich
Board of City Commissioners

# 1086987 - Burleigh County Main Transmission Line Improvements

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 29, 2025 2:56 PM |
| **Initially Submitted By:** | Jared Huibregtse |
| **Last Submit Date:** | Jan 6, 2026 10:12 AM |
| **Last Submitted By:** | Jared Huibregtse |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Salutation Larry First Name Middle Name Kirschmann Last Name |
| **Title:** | |
| **Email*:** | lkirschmann@southcentralwaternd.com |
| **Address*:** | 10700 Highway 1804 |
| | Bismarck City North Dakota State/Province 58502 Postal Code/Zip |
| **Phone*:** | 701-400-6579 Ext. Phone ###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | South Central Regional Water District |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | |
| **Organization Website:** | |
| **Address*:** | 10700 Highway 1804 N |

| | |
|---|---|
| | Bismarck North Dakota 58502-4182<br>City State/Province Postal Code/Zip |
| **Phone*:** | 701-258-8710 Ext.<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | |
| **Comments:** | |
| **Location Code:** | |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | Burleigh County Main Transmission Line Improvements |
| **Sponsor(s)*:** | South Central Regional Water District |
| **County*:** | Burleigh |
| **City*:** | Bismarck |
| **Description of Request*:** | New |
| **Project Type:** | Rural Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Missouri River |

**Jurisdictions/Stakeholders Involved*:**

South Central Regional Water District
Water Users in the Keever Buttes service area and downstream service areas of Hay Creek, Apple Creek, and Baldwin Service Areas - which include geographic areas east of Bismarck and along Interstate 94.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The areas served by Keever Buttes east of Bismarck and along I-94 has experienced significant growth in recent years. As a result of that growth, water demands have increased in the area and existing transmission capacity has become inadequate during peak demand times.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This project would install a new pipeline from SCRWD's the Keever Buttes service area (located on the northeast side of Bismarck) where sufficient capacity exists, and connect the area that serves the Apple Creek Service Area which is experiencing the capacity shortage.

**Describe the Objectives or Goals Specific to This Application*:**

The goal of this project is to alleviate water demand challenges during peak demand times by supplementing the Apple Creek areas with additional water supply from the Keever Buttes service area.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

This application is for Pre-construction costs related to the installation of approximately 6 miles of 12" pipeline from the existing Apple Creek Booster Station to the existing Haycreek tanks.These activities include preliminary and final design, cultural resources, and right-of-way activities. The pipeline route follows 80th street north before turning west for 1 mile at 57th Ave NE, and then North again for approximately 2 miles on 66th St NE.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 15180 |
| For this project, | |
| **What is the Benefited Population?*:** | 15180 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | No |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | N/A |
| **Design Completion*:** | June 2027 |
| **Bid*:** | May 2027 |
| **Construction Start*:** | July 15, 2027 |
| **Construction Completion*:** | October 31, 2027 |

**Explain Additional Timeline Issues*:**

There are no additional timeline issues foreseen at this time.

| | |
|---|---|
| **Consulting Engineer*:** | Tyson Decker, P.E. - Bartlett & West |
| **Engineer Direct Phone Number*:** | 701-221-8345 |
| **Engineer Email*:** | tyson.decker@bartwest.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Larry (First Name) Kirschmann (Last Name) 12/18/2025 (Date) |
| **Title/Position/Authority*:** | CEO |
| **Address*:** | 10700 HWY 1804 N<br>Address Line 1<br>Address Line 2<br>Bismarck (City) North Dakota (State) 58502-4182 (Zip Code) |
| **Direct Phone Number*:** | 701-258-8710 |
| **Sponsor Email*:** | lkirschmann@southcentralwaternd.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Larry (First Name) Kirschmann (Last Name) |
| **Authorized Signor Title/Position:** | CEO |
| **Authorized Signor Email:** | lkirschmann@southcentralwaternd.com |
| **Authorized Signor Direct Phone Number:** | 701-258-8710 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Mark (First Name) Kinzler (Last Name) |
| **Additional Board Member Title/Position:** | Board Vice President |
| **Additional Board Member Email:** | mkinzler@outlook.com |
| **Additional Board Member Direct Phone Number:** | 701-226-6543 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:**<br>CLICK HERE **to see examples.** | Yes |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | Project Map.pdf |

| | |
|---|---|
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | Meeting Minutes.pdf |
| **Cover Letter:** | Cover Letter_Burleigh County Mainline Imp.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | sfn_61801_delineation_of_cost_Burleigh County MTL Imp.xlsx |
| **Type of Request:** | Preconstruction |
| **Is This a Water Supply Project?:** | Yes |

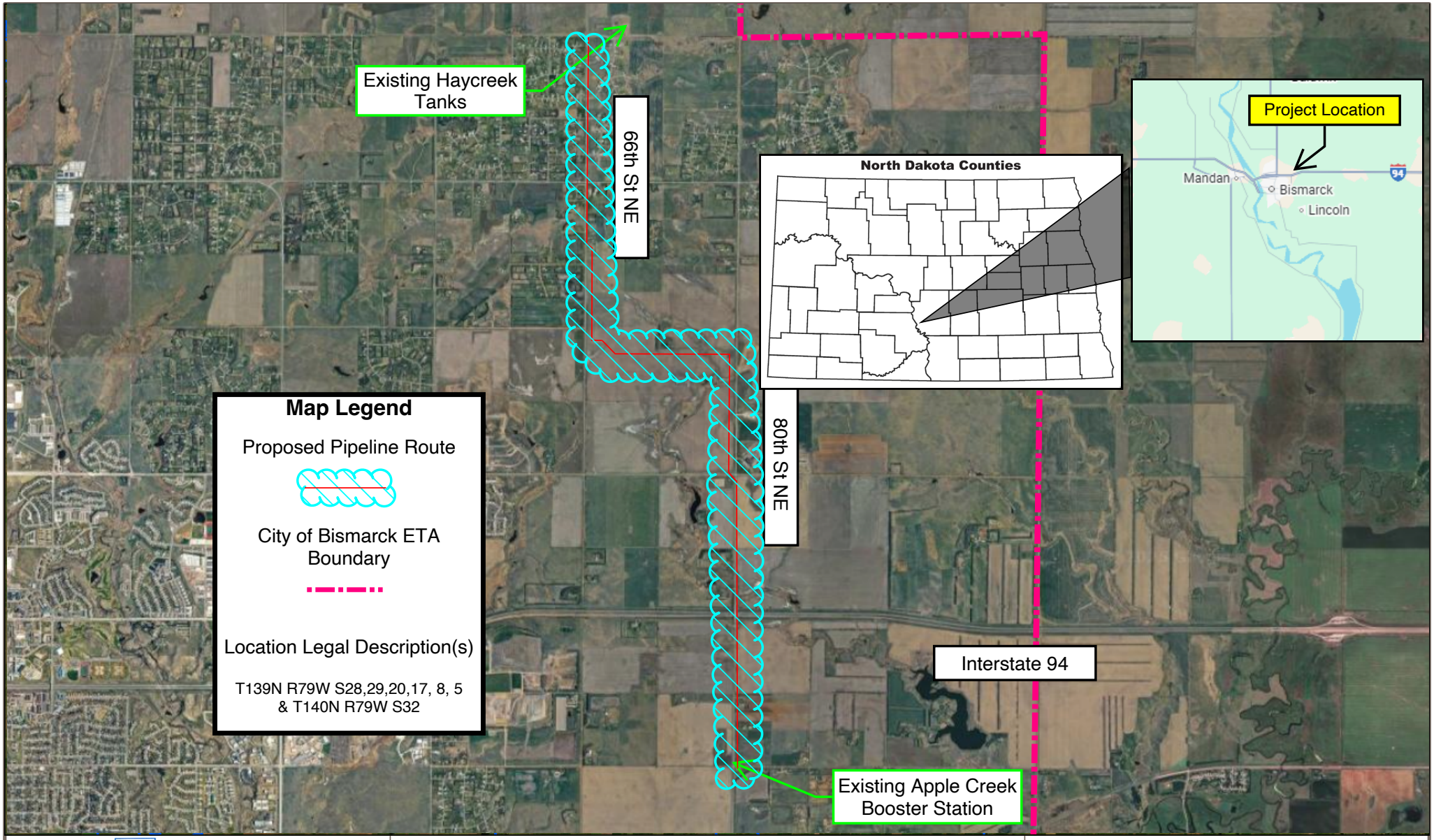
CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

| | |
|---|---|
| **Life Cycle Cost Analysis:** | life_cycle_cost_analysis_worksheet_Burleigh County MTL Imp.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | sfn_62417_Asset Inventory_SCRWD_December 2025.xlsx |
| **Other Applicable Document:** | |
| **Other Applicable Document:** | |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Current Request | $140,400.00 | $0.00 | $0.00 | $140,400.00 | Grant | 0.00 | 0.00 |
| Other | Local Share - SCRWD | Already Approved | $93,600.00 | $0.00 | $0.00 | $93,600.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Future Request | $0.00 | $0.00 | $3,304,500.00 | $3,304,500.00 | Grant | 0.00 | 0.00 |
| Other | Local Share - SCRWD | Already Approved | $0.00 | $0.00 | $2,203,000.00 | $2,203,000.00 | | 0.00 | 0.00 |
| | | | **$234,000.00** | **$0.00** | **$5,507,500.00** | **$5,741,500.00** | | | |




South Central Regional Water District

SOUTH CENTRAL REGIONAL WATER DISTRICT
Burleigh County Main Transmission Line Improvements

Bartlett&West

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received :

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | Burleigh County Main Transmission Line Improvements |
| **Sponsor :** | South Central Regional Water District |
| **Contact :** | Larry Kirschmann |
| **Phone :** | 701-258-8710 |
| **Engineer :** | Tyson Decker, P.E. - Bartlett & West |
| **Phone :** | 701-221-8345 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 5,741,500.00 | **Total Cost-Share* :** | $ 3,444,900.00 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 5,741,500.00 | **Preconstruction :** | $ 140,400.00 |
| **Local Cost :** | $ 2,296,600.00 | **Construction :** | $ 3,304,500.00 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Rural Expansion into ETA | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 2.1% | Preliminary Design | 1 | LS | 120,000.00 | $ 120,000.00 | 60% | $ 72,000.00 |
| 7 | 1.4% | Final Design | 1 | LS | 79,000.00 | $ 79,000 | 60% | $ 47,400.00 |
| 8 | 0.6% | Cultural Resources | 1 | LS | 35,000.00 | $ 35,000 | 60% | $ 21,000.00 |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 4.1% | **Preconstruction Total** | | | | $ 234,000.00 | 60% | $ 140,400.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 8.9% | Construction Observation | 1 | LS | 510,000.00 | $ 510,000.00 | 60% | $ 306,000.00 |
| 12 | 1.5% | Construction Contract Mmgt. | 1 | LS | 86,000.00 | $ 86,000.00 | 60% | $ 51,600.00 |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 10.4% | **Construction Engineering Total** | | | | $ 596,000 | 60% | $ 357,600.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.6% | Mobilization | 1 | LS | 150,000.00 | $ 150,000.00 | 60% | $ 90,000.00 |
| 16 | 0.9% | Bonding | 1 | LS | 50,000.00 | $ 50,000.00 | 60% | $ 30,000.00 |
| 17 | 0.9% | Insurance | 1 | LS | 50,000.00 | $ 50,000.00 | 60% | $ 30,000.00 |
| 18 | 4.8% | Pressure Relief Value | 1 | LS | 275,000.00 | $ 275,000.00 | 60% | $ 165,000.00 |
| 19 | 1.0% | SCADA | 1 | LS | 60,000.00 | $ 60,000.00 | 60% | $ 36,000.00 |
| 20 | 0.7% | Connection to Existing Line | 1 | LS | 40,000.00 | $ 40,000.00 | 60% | $ 24,000.00 |
| 21 | 0.7% | Detailed Tie-In | 1 | LS | 40,000.00 | $ 40,000.00 | 60% | $ 24,000.00 |
| 22 | 1.7% | Crossing - Interstate 94 | 1 | LS | 100,000.00 | $ 100,000.00 | 60% | $ 60,000.00 |
| 23 | 49.8% | Water Main 12 in | 32500 | EA | 88.00 | $ 2,860,000.00 | 60% | $ 1,716,000.00 |
| 24 | 14.6% | Pipeline Appurtenances | 1 | LS | 840,000.00 | $ 840,000.00 | 60% | $ 504,000.00 |
| 25 | 0.0% | | 0 | | | $ - | 60% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 27 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 4,465,000.00 | 60% | $ 2,679,000.00 |
| | 7.8% | **Allowable Contingency (10%)** | | | | $ 446,500.00 | 60% | $ 267,900.00 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 85.5% | **Construction Total** | | | | $ 4,911,500.00 | 60% | $ 2,946,900.00 |
| | | Eligible Preconstruction | | | | $ 234,000.00 | 60% | $ 140,400.00 |
| | | Eligible Construction | | | | $ 5,507,500.00 | 60% | $ 3,304,500.00 |
| | | **Eligible Total** | | | | $ 5,741,500.00 | 60% | $ 3,444,900.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 5,741,500.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 5,741,500.00 | 60% | $ 3,444,900.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** South Central Regional Water District
**Project Title:** Burleigh County Main Transmission Line Improvement **Date:** January 5, 2026

**Explanation of Alternatives:**

Main Transmission Line Improvements - Install a new 12" pipeline from SCRWD's Keever Buttes service area (located on the northeast side of Bismarck) where sufficient capacity exists and connect the area that serves the Apple Creek Service Area which is experiencing capacity shortages.
Parallel pipeline - This alternative would parallel the existing pipeline along the same route as the existing line.
Do Nothing - Users in SCRWD's service area east of Bismarck and along I-94 would continue to experience water capacity shortages.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 5000 |
| Net Connections (New + Current) | 5000 |

| | |
|---|---|
| Current CIF Balance | NA |
| Annual CIF Contribution | NA |
| Cash Funding Target (Percentage %) New Assets | NA |
| Cash Funding Target (Percentage %) Existing Asets | NA |
| Annual CIF Contribution suggested for the Project | NA |

| | Main Transmission Line Improvements | Parallel pipeline | Do Nothing | |
|---|---|---|---|---|
| Construction Cost | $5,741,500 | $7,688,000 | $0 | |
| Annual O & M | $2,500 | $2,500 | $0 | |

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Main Transmission Line Improvements | Parallel pipeline | Do Nothing | |
|---|---|---|---|---|
| Capital Costs | $5,742,000 | $7,688,000 | $0 | |
| O&M | $67,000 | $67,000 | $0 | |
| Repair, Rehab, Replacement | $1,037,000 | $0 | $0 | |
| Salvage Value | $143,000 | $0 | $0 | |
| **Total PVC** | **$6,703,000** | **$7,755,000** | $0 | |
| | | | | |
| **PV Cost Per User** | **$1,341** | **$1,551** | **$0** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$74** | | | |
| **Comparable Water Rate** | | **$77** | | | |
| Net Connections (New + Current) | | 5,000 | 5,000 | 5,000 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $2,296,800 | $3,075,200 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $2,296,800 | $3,075,200 | $0 | |
| **Payment Per User With Cost-Share** | | **$2.32** | **$3.11** | **$0.00** | |
| | Local Share | $5,742,000 | $7,688,000 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $5,742,000 | $7,688,000 | $0 | |
| **Payment Per User Without Cost-Share** | | **$5.81** | **$7.78** | **$0.00** | |

**Explanation of Results:**

The sponsor preferred project is the “Main Transmission Line Improvements” option. The present value cost of the preferred alternative is $6,703,000 and $7,755,000 for the “Parallel pipeline” alternative for comparison. The capital expenditure cost for the preferred alternative is $5,742,000 and $7,688,000 for the comparable alternative. The present value cost per user for the preferred alternative is $1,341. The monthly user cost of the local share with DWR 60% cost-share participation is $2.32 per month and $5.81 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/29/25

# South Central Regional Water District

Quality On Tap!
Our Commitment Rural | Our Profession Water

10700 Hwy 1804 North
PO Box 4182
Bismarck, ND 58502-4182
(701) 258-8710 • Fax (701) 223-6041
www.southcentralwaternd.com

Date: 12/23/2025

Subject: SWC Cost Share Program

South Central Regional Water District formally requests to apply for SWC Cost-Share funding for the Burleigh County Main Transmission Line Improvements (Keever Buttes Service Area), Contract 2026-1.

The Board of Directors at South Central Regional Water District voted and passed a motion at the December 16, 2025 board meeting to move forward with preconstruction for this project. This project will provide the improvements to provide the transmission demands from the Keever Buttes Service area to the Apple Creek Service Area which is currently limited by existing infrastructure under peak demands. Attached is the application and meeting minutes from the SCWD board meeting addressing the funding request.

Thank you for consideration of this funding request.

Sincerely

Larry Kircshman
Manager/CEO
South Central Regional Water District

DWR Date Received : 12/29/25

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South Central Regional Water
BOARD OF DIRECTORS MEETING
December 16, 2025

**Directors Present:** President Dave Lang, Vice-President Mark Kinzler, Secretary-Treasurer Joe LaFave, Assistant Secretary-Treasurer Steve Ellefson, Director Greg Larson, Director Steven Bitz, and Director Ken Nieuwsma.

**Others present:** CEO Larry Kirschmann, CFO Alan Smith, and Tyson Decker with Bartlett & West Engineers.

**Directors Absent:** All were present.

The meeting was called to order at 5:30 pm.

A motion and a second were made to approve the consent agenda (November 2025 minutes and delinquent accounts).

The District's financial report was given. A motion and a second were made to accept the report. The motion was unanimously passed.

Discussion of Department of Water Resources Projects.

Review and approve Bartlett & West invoice for Construction Engineering of the Ashley Main Transmission Line Improvements through a 75% grant from the Department of Water Resources, in the amount of $9,489.22. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and approve Bartlett & West invoice for Construction Engineering of the 2nd McIntosh Tank through a 75% grant from the Department of Water Resources, in the amount of $20,961.99. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and Approve Bartlett & West invoice for Design of the Napoleon Main Transmission Line Improvements through a 75% grant from the Department of Water Resources, in the


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amount of $6,211.97. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and Approve Bartlett & West Invoice for Design of the North Logan Tank through a 75% grant from the Department of Water Resources, in the amount of $2,037.25. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and approve PE #3 from BEK Consulting in the amount of $80,134.64 for University of Mary unground construction. A motion and second were made for approval. A roll call vote was conducted and the motion passed.

Review and approve PE#1 from Edling Electric invoice for electrical work on the U-Mary Service Area Water Storage Reservoir and Water Main project, in the amount of $32,947.30. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and Approve Moore Engineering, Inc. invoice for Design Services on the U-Mary Service Area Water Storage Reservoir and Water Main project, in the amount of $39,500.00. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and approval of the Generator Set Operations Agreement with the University of Mary. The agreement states that the generator will only be used during power outages while the project is under South Central Regional Water District. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and approve Change Order No 2 from BEK Consulting, LLC for an increase of $65,236.00 to Contract 3 for Underground Construction. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Review and Approve Bartlett & West invoice for Design of the Hawktree Elevated Tank through a 75% grant from the Department of Water Resources, in the amount of $17,625.00. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

The System Status Report was reviewed and placed on file.

The 2026 Budget was reviewed and discussed. A motion and second were made for approval. A roll call vote was conducted, and the motion was unanimously passed.

Under new business there was discussion of some of the District's future needs for funding. After discussion a motion and second were made to instruct Tyson Decker with Bartlett & West Engineers to pursue preconstruction funding for the North Burleigh mainline improvement project. A roll call vote was conducted, and the motion was unanimously passed.

Another motion and second were made to instruct Tyson Decker with Bartlett & West Engineers to pursue preconstruction funding for the 2nd Baldwin Tank. A roll call vote was conducted, and the motion was unanimously passed.

The meeting adjourned at 7:03 pm.

Respectfully submitted,

_____

Joe LaFave Secretary-Treasurer

Water Development Plan: No (2025)
Plan Priority: None

DWR Date Received: 6/30/25
Revised: 12/19/25

J 3

# 1086004 - 2025 WU149 watermain extension

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1084196-October 2024 - June 2025 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2025 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Jun 30, 2025 8:20 AM |
| **Initially Submitted By:** | Jeron Fueller |
| **Last Submit Date:** | Dec 19, 2025 3:32 PM |
| **Last Submitted By:** | Jeron Fueller |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Mr. (Salutation) Jeron (First Name) Middle Name Fueller (Last Name) |
| **Title:** | Superintendent Distribution & Collections |
| **Email*:** | jfueller@bismarcknd.gov |
| **Address*:** | PO Box 5503 |
| | BISMARCK (City) North Dakota (State/Province) 58506 (Postal Code/Zip) |
| **Phone*:** | (701) 355-1721 Ext. (Phone) ###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Bismarck |
| **Organization Type*:** | Municipal Government |
| **Tax Id:** | City of Bismarck |
| **Organization Website:** | http://www.bismarcknd.gov |
| **Address*:** | 221 N. 5th Street |

City of Bismarck

Bismarck North Dakota 58506-____
City State/Province Postal Code/Zip

**Phone*:** 701-355-1601 Ext.
###-###-####

**Fax:** ###-###-####

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

## Infrastructure Funding Request

***Infrastructure Funding Request***

**Project, Program, or Study Name*:** WU 149 Watermain Extension

**Sponsor(s)*:** City of Bismarck

**County*:** Burleigh

**City*:** Bismarck

**Description of Request*:** New

**If Study, What Type:**

**If Project/Program, What Type:** Municipal Water Supply

**Jurisdictions/Stakeholders Involved*:**

City of Bismarck

**Describe the Problem*:**

A 12" watermain to be connected to the existing watermain at Fettig Drive and installed on the west side of 52nd St SE, going south along 52nd St SE to Apple Creek Road. This will provide a feed for a new lift station and a future feed for growth East on Apple Creek Rd and on the north side of Apple Creek Rd between East main and Apple Creek Rd.

**Provide Project Details, Objectives and Solutions to Address Problem*:**

Installing a 12" watermain following our water distribution master plan for this area, we will be able to provide water source to a new lift station and be able to support future growth in the area, this is a future looping component for this area.

For this project,

**Choose City, County, Water District or Other*:** City

**What is the Current Estimated Population?*:** 83000

For this project,

**What is the Benefited Population?*:** 83000

**Have Assessment Districts Been Formed?*:** N/A

**Have Land or Easements Been Acquired?*:** Yes

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** No

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | 8/2024 |
| **Design Completion*:** | 6/2025 |
| **Bid*:** | 11/2025 |
| **Construction Start*:** | 4/2026 |
| **Construction Completion*:** | 7/2026 |

**Explain Additional Timeline Issues*:**

none

| | |
|---|---|
| **Consulting Engineer*:** | APEX Engineering |
| **Engineer Telephone Number*:** | 701-323-3952 |
| **Engineer Email*:** | mike.berg@apexenggroup.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **Submitted by*:** | Jeron (First Name) Fueller (Last Name) 11/18/2025 (Date) |
| **Address*:** | 601 S 26th St (Address Line 1)<br>(Address Line 2)<br>Bismarck (City) North Dakota (State) 58506-5503 (Zip Code) |
| **Telephone Number*:** | 701-355-1721 |
| **Sponsor Email*:** | jfueller@bismarcknd.gov |
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |

| | |
|---|---|
| **Authorized Individual*:** | Michael Mart 11/18/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | Director PW Utility Operations |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | WU149 Location Map.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 12.16.2025 Bismarck City Commission Agenda.pdf |
| **Cover Letter:** | 12.16.2025 Application for ND State Funding.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | sfn_61801_delineation_of_cost WU 149.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 22.118.0177-52nd Street WM Extension signed.pdf |
| **Water Supply Projects?:** | Yes |

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

| | |
|---|---|
| **Life Cycle Cost Analysis:** | life_cycle_cost_analysis_WU149.xlsx |

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

| | |
|---|---|
| **Asset Inventory Assessment:** | sfn_62417_basic_asset_inventory_tool - 52nd St.xlsx |
| **Rural Flood Control?:** | No |
| **Drain Reconstructions?:** | No |
| **Flood Recovery Property Acquisition?:** | No |
| **Community Flood Control, Rural Flood Control, Bank Stabilization, or Snag & Clear Project With Total Cost of $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required:** | |
| **DWR Construction Permit, if Required:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required:** | |

**Feasibility/Engineering Study for the Proposed Project:** No

**Photos of Problem/Issue:**

**GIS Files:** Please Compress All Files Into One .zip File.

**Other Applicable Document(s):**

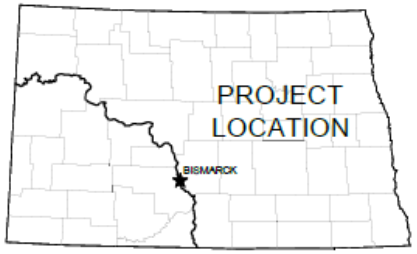
## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

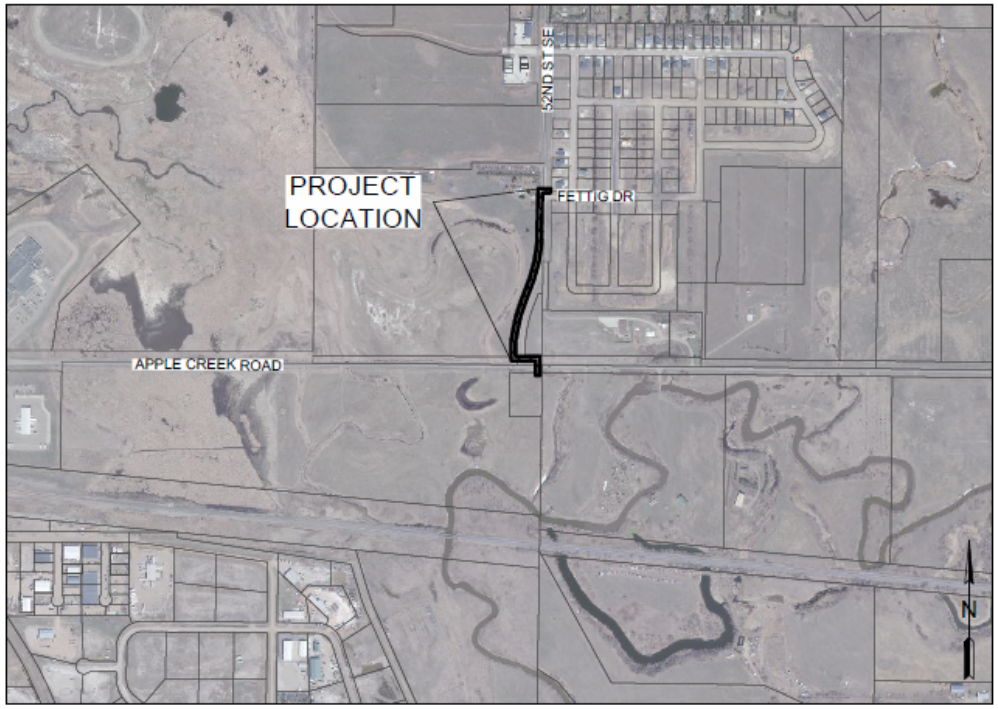
| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Construction | | Current Request | $428,466.00 | $0.00 | $0.00 | $428,466.00 | Grant | 0.00 | 0.00 |
| Other | Local | Already Approved | $285,643.00 | $0.00 | $0.00 | $285,643.00 | | 0.00 | 0.00 |
| | | | **$714,109.00** | **$0.00** | **$0.00** | **$714,109.00** | | | |

# CONSTRUCTION DOCUMENTS FOR
# 52ND STREET WATERMAIN EXTENSION
# CITY OF BISMARCK, NORTH DAKOTA

## CITY OF BISMARCK PROJECT NUMBER: WATER UTILITY PROJECT 149




NORTH DAKOTA
STATE LOCATION MAP




LOCATION MAP

**CITY OF BISMARCK APPROVAL**

I, Gabriel J. Schell, PE, City Engineer for the City of Bismarck, North Dakota, hereby approve these plans for the 52nd Street Watermain Extension as shown on the accompanying plans and specifications.

Gabriel J. Schell, PE

Date _____ Lic. No. 6876

**CERTIFICATIONS**

I, Blake W. Sander, PE, hereby certify that the attached plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of North Dakota.




## APEX PROJECT NUMBER: 22.118.0177

ALL ELEVATIONS ARE BASED ON
THE NAVD 1988 VERTICAL DATUM.


Apex Engineering Group, Inc.
Bismarck - Fargo, North Dakota
600 South 2nd Street, Suite # 145
Bismarck, North Dakota 58504
Office: 701-323-3950
Fax: 701-323-3951


K:\Projects\2022\22.118.0177 BIS - Hay Creek LS & FM\Water\Design - Clear Sky Watermain Extension\Dwgs\22.118.0177-WM.G.00-Cover.dwg

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received :

| | |
|---|---|
| **Date :** | 12/19/25 |
| **Project :** | WU 149 Watermain Extension |
| **Sponsor :** | City if Bismarck |
| **Contact :** | Michael Mart |
| **Phone :** | 701-355-1704 |
| **Engineer :** | Apex Engineering |
| **Phone :** | 701-323-3950 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 714,109.30 | **Total Cost-Share* :** | $ 428,465.58 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 714,109.30 | **Preconstruction :** | $ - |
| **Local Cost :** | $ 285,643.72 | **Construction :** | $ 428,465.58 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Preconstruction Total** | | | | $ - | 60% | $ - |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 9.1% | Construction Contract Mmgt. | 1 | | 64,919.00 | $ 64,919.00 | 60% | $ 38,951.40 |
| 12 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 9.1% | **Construction Engineering Total** | | | | $ 64,919 | 60% | $ 38,951.40 |
| | | **Construction Costs** | | | | | | |
| 15 | 7.5% | Mobilization | 1 | LS | 53,660.00 | $ 53,660.00 | 60% | $ 32,196.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 33.1% | Water Main 12 in | 1510 | LF | 156.50 | $ 236,315.00 | 60% | $ 141,789.00 |
| 19 | 2.5% | Water Main 8 in | 240 | LF | 74.00 | $ 17,760.00 | 60% | $ 10,656.00 |
| 20 | 0.2% | Water Main 6 in | 23 | LF | 66.00 | $ 1,518.00 | 60% | $ 910.80 |
| 21 | 3.2% | Fittings | 1 | LS | 22,770.00 | $ 22,770.00 | 60% | $ 13,662.00 |
| 22 | 4.4% | Hydrant | 2 | EA | 15,750.00 | $ 31,500.00 | 60% | $ 18,900.00 |
| 23 | 8.5% | Boring - Cased | 45 | LF | 1,350.00 | $ 60,750.00 | 60% | $ 36,450.00 |
| 24 | 8.3% | Horizontal Directional Drilling | 118 | LF | 500.00 | $ 59,000.00 | 60% | $ 35,400.00 |
| 25 | 0.7% | Asphalt R&R | 60 | SY | 85.00 | $ 5,100.00 | 60% | $ 3,060.00 |
| 26 | 0.3% | Tree relocation | 4 | EA | 600.00 | $ 2,400.00 | 60% | $ 1,440.00 |
| 27 | 0.7% | Traffic Control | 1 | LS | 5,000.00 | $ 5,000.00 | 60% | $ 3,000.00 |
| 28 | 7.0% | Erosion Control | 1 | LS | 50,000.00 | $ 50,000.00 | 60% | $ 30,000.00 |
| 29 | 3.4% | 12" gate valve & box | 2 | EA | 12,000.00 | $ 24,000.00 | 60% | $ 14,400.00 |
| 30 | 1.7% | 8" gate valve & box | 2 | EA | 6,000.00 | $ 12,000.00 | 60% | $ 7,200.00 |
| 31 | 1.2% | 6" gate valve & box | 2 | EA | 4,200.00 | $ 8,400.00 | 60% | $ 5,040.00 |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 590,173.00 | 60% | $ 354,103.80 |
| | 8.3% | **Allowable Contingency (10%)** | | | | $ 59,017.30 | 60% | $ 35,410.38 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 90.9% | **Construction Total** | | | | $ 649,190.30 | 60% | $ 389,514.18 |
| | | Eligible Preconstruction | | | | $ - | 60% | $ - |
| | | Eligible Construction | | | | $ 714,109.30 | 60% | $ 428,465.58 |
| | | **Eligible Total** | | | | $ 714,109.30 | 60% | $ 428,465.58 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 714,109.30 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 714,109.30 | 60% | $ 428,465.58 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Bismarck
**Project Title:** WU149 **Date:** December 26, 2025

**Explanation of Alternatives:**

WU149 - Installing a 12" watermain consistent with the water distribution master plan for the zone 1 area.
Do nothing - Limits future growth can occur in zone 1 area impacting the city master plan.

**Inputs:**

| | |
|---|---|
| New Connections Served | 1 |
| Future Connections Served | 200 |
| Current Connections Served | 75 |
| Net Connections (New + Current) | 76 |

| | |
|---|---|
| Current CIF Balance | $1,000,000 |
| Annual CIF Contribution | $4,000,000 |
| Cash Funding Target (Percentage %) New Assets | 25% |
| Cash Funding Target (Percentage %) Existing Asets | 75% |
| Annual CIF Contribution suggested for the Project | $3,196 |

| | WU149 (Preferred) | Do nothing | | |
|---|---|---|---|---|
| Construction Cost | $714,200 | $0 | | |
| Annual O & M | $0 | $0 | | |

**Details:**

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | WU149 (Preferred) | Do nothing | | |
|---|---|---|---|---|
| Capital Costs | $714,000 | $0 | | |
| O&M | $0 | $0 | | |
| Repair, Rehab, Replacement | $48,000 | $0 | | |
| Salvage Value | $9,000 | $0 | | |
| **Total PVC** | **$753,000** | **$0** | | |
| | | | | |
| **PV Cost Per User** | **$9,908** | **$0** | | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$26** | | | |
| **Comparable Water Rate** | | **$47** | | | |
| Net Connections (New + Current) | | 76 | 76 | | |
| Cost-Share Percent | | 60% | 60% | | |
| | Local Share | $285,600 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $285,600 | $0 | | |
| **Payment Per User With Cost-Share** | | **$19.01** | **$0.00** | | |
| | Local Share | $714,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $714,000 | $0 | | |
| **Payment Per User Without Cost-Share** | | **$47.53** | **$0.00** | | |

**Explanation of Results:**

The sponsor preferred project is the “WU149” option. The present value cost of the preferred alternative is $753,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $0. The present value cost per user for the preferred alternative is $9,908. The monthly user cost of the local share with DWR 60% cost-share participation is $19.01 per month and $47.53 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2020 | | |
| Population & Trends | 61,272 | 73,622 | 2.0% | 1235 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

# Public Works Utility Operations

**DATE:** December 16, 2025

**FROM:** Michael Mart, Public Works Utility Operations Director

**ITEM:** Application for North Dakota State Funding

**REQUEST:**
Permission to apply for funding from the North Dakota State Water Commission for Watermain Extension projects WU 149 and WU 150.

**BACKGROUND INFORMATION:**
The City of Bismarck participates in the North Dakota State Water Commission Cost Share Program. As per Section 3.4.1g of the Cost Share Policy, Public Works Utility Operations is requesting approval to apply for grant funding from the State of North Dakota for the following 2026 projects:

- WU 149 - 52nd St. Watermain extension
- WU 150 - 57th Ave. Watermain extension

**RECOMMENDED CITY COMMISSION ACTION:**
Approve applications for state grant funding for the Public Works Utility Operations 2026 water projects WU 149 and WU 150.

**STAFF CONTACT INFORMATION:**
Michael Mart, Public Works Utility Operations Director, 701-355-1704, mmart@bismarcknd.gov

**ATTACHMENTS:**
None

# Board of City Commissioners

**December 16, 2025**

| | | |
|---|---|---|
| **Tom Baker Meeting Room** | **City/County Office Building**<br>**221 N. 5th St.**<br>**Bismarck, ND 58501** | **5:15 PM** |

The City of Bismarck encourages citizens to provide their comments for public hearing items on the Bismarck City Commission agenda via email to bismarckadmin@bismarcknd.gov by 3:30 PM on the day of the meeting. Please include the item number that your comment references. The comments will be sent to the members and placed with the minutes.

Live meeting coverage is available on Government Access Channels 2 & 602HD, Radio Access 102.5 FM Radio, or streaming on multiple platforms, including DakotaMediaAccess.org and Facebook LIVE.

The Invocation and the Pledge of Allegiance will be presented by a Chaplain from the Bismarck Police Department.

**CALL TO ORDER**

**FUTURE COMMISSION MEETINGS**

January 13, 2026 & January 27, 2026
February 10, 2026 & February 24, 2026
March 10, 2026 & March 24, 2026

**MISSION STATEMENT**
To provide high-quality public services in partnership with our community to enhance our quality of life.

**MEETING OF THE BOARD OF CITY COMMISSION**

1. **PUBLIC COMMENT**
   Restricted to items on the Consent Agenda, Regular Agenda, or the Prior City Commission Agenda excluding public hearing items.

2. **CONSENT AGENDA**

   A. Consider approval of minutes

   B. Consider approval of personnel actions

   C. Consider approval of expenditures

D. Consider the request for approval from the Administration Department for the following:

1. Selection committee recommendation on the third party management and operations company for the Bismarck Event Center.

2. Renewal of taxicab license for Dakota Transportation Services, LLC.

3. Introduction of and call for a public hearing on an application for a Class F-1 alcohol license by TJGalpin Enterprises, LLC (dba) Tiff's Pub & Grub at 512 East Main Avenue.

4. Introduction of and call for a public hearing on an application for a Class B-5 alcohol license by Dirty Bean, LLC (dba) Classic Rock Coffee & Kitchen at 725 Riverwood Drive.

5. Application for Bismarck Youth Baseball, Incorporated for site authorization to conduct gaming at Sixteen03 Main Events, LLC (dba) 5th Underground at 102 N 5th St and Sixteen03 Main Events, LLC (dba) Sixteen03 Main Events at 1603 E Main Ave.

6. Application for Furry Friends Rockin Rescue for site authorization to conduct gaming at Tiff's Pub & Grub at 512 East Main Avenue.

E. Consider the request for approval from the Bismarck-Burleigh Public Health Department for the following:

1. Appoint Dr. Jeffrey Hostetter as the local health officer for Bismarck-Burleigh Public Health.

2. ~~**Permission to apply for ND250 Grant administered by the State Historical Society of North Dakota.**~~

F. Consider the request for approval from the Engineering Department for the following:

1. Right of way plats, warranty deeds, temporary construction easements and related documents associated with Tyler Parkway Extension HC 173, and an Encroachment & Crossing Agreement with NuStar Pipeline Operating Partnership L.P.

2. Amendment to existing agreement for professional services with AE2S for Tyler Coulee Stormwater Ponds, Sewer Improvement District SE 576.

3. Resolutions declaring petitions have been received, creating the district and ordering the preparation of the preliminary report for Street Improvement District No. SI 581.

4. Resolution creating Street Improvement District SI 594 and Ordering Preparation of Preliminary Report.

5. Sewer assumption agreement with DS-Devx Central Dakotas, LLC.

G. Consider the request for approval from the Finance Department for the following:

1. Applications for abatement.

H. Consider the request for approval from the Fire Department for the following:

1. Requesting permission to accept a $1000 donation from Jeff and Leta Stewart.

2. Time extension with Purvis Systems until March 1, 2026, for the Station Alerting contract.

I. Consider the request for approval from the Legal Department for the following:

1. Introduction of and call for a public hearing on Ordinance 6652 to amend Sections 9-01-01, 9-01-02, 9-02-10, 9-03-10, 9-04-02, 9-05-02 and 9-06-06 of the City of Bismarck Code of Ordinances relating to definition of terms, employees covered; exceptions, administrative officer and duties, employment list, updating of plan, annual leave and grievance procedures.

J. Consider the request for approval from the Bismarck Veterans Memorial Public Library for the following:

1. Permission to approve change orders/amendments to contracts for the Library Restroom Renovation.

K. Consider the request for approval from the Planning Department for the following:

1. Permission for Bis-Man Transit to submit Section 5339 SFY2027 Grant Application.

2. Permission for Bis-Man Transit to submit a Section 5310 SFY2027 Grant Application.

3. Introduction of and call for a public hearing on Ordinance 6651, a zoning ordinance text amendment to revise Sections 14-03-06, 14-04-01, 14-04-01.1, and 14-04-17 of the City Code of Ordinances related to rural accessory structure size, where the Planning and Zoning Commission recommends approval.

4. Permission to apply for the ND250 Community Initiatives grant.

5. Appoint Al Wangler, Kendra Taylor, and Conner Swanson to serve on the Bismarck Planning and Zoning Commission.

6. Appoint Chris Seifert and Kim Lee to the Board of Adjustment.

7. Reappoint Kirsten Dvorak and appoint Bernice Duletski to the Renaissance Zone Authority.

8. Appoint Trevor Vannett to the Bismarck Parking Authority.

9. Appoint Karen Wolfer, Holly Triska-Dally, Thomasine Iron, Joan Trygg, Lane Hoffer, Kate Herzog, Tricia Brown, and Joel Kostelecky to the Community Development Advisory Committee.

10. Reappoint Amy Sakariassen and appoint Kane Perrin to the Historic Preservation Commission.

L. Consider the request for approval from the Public Works - Service Operations Department for the following:

1. Award the bid for Concrete Street Light Poles to Graybar Electric Company, Inc. for Public Works Service Operations Street Lights and Traffic Signals Division.

2. Permission to apply and accept the Public Assistance Subgrant for FEMA-4888-DR from the North Dakota Department of Emergency Services (NDDES) for the windstorm event on June 20, 2025.

3. Permission to sell or dispose of City Assets at Public Sale.

4. Permission to apply for the Energy Conservation Grant for Public Works Lighting Upgrade.

M. Consider the request for approval from the Public Works - Utility Operations Department for the following:

1. Receive bids and award contract for Water Utility Project WU 149.

2. Award the 2026 chemical bids for the Water and Wastewater Treatment Plants.

3. Permission to apply for funding from the North Dakota State Water Commission for Watermain Extension projects WU 149 and WU 150.

4. Revised Utility Capital Charges (UCC) Policy.

5. Task Order 28 with Advanced Engineering and Environmental Services (AE2S) to upgrade the Supervisory Controls and Data Acquisition (SCADA) platform.

3. **REGULAR AGENDA**

A. Consider the recommendation by the Bis-Man Transit Board for approval of the sales tax allocation of $649,392.15 to offset the projected 2025 Bis-Man Transit deficit.

B. Consider the request to receive an end of year update from the Bismarck-Mandan Chamber EDC relating to the economic development services provided and a request for support of the Business Pitch Challenge Program.

C. Public hearing on the request to have the new Class D Sale At Retail of Alcoholic Beverages license transferred from Sixteen03 Main Events to Eclipse Venue, LLC, and application for a class D license for Eclipse Venue, LLC (dba) Eclipse Venue at 118 South 3rd Street.

D. Public hearing on an application for a Class F-1 alcohol license by Los Mariachis Bar & Grill, LLC (dba) Los Mariachis Bar & Grill at 210 East Main Avenue.

E. Public hearing on Ordinance 6648 to amend Chapter 9-07 of the City of Bismarck Code of Ordinances relating to the City Employee Pension Plan.

F. Public hearing on Ordinance 6649 to amend Chapter 9-08 of the City of Bismarck Code of Ordinances relating to the Police Pension Plan.

G. Public hearing on Ordinance 6650, to create a Bismarck Event Center Authority Board.

H. ~~**Hearing of appeal for denial of a zoning map amendment by the Planning and Zoning Commission for Lot 33, Block 9, Pebble Creek Addition.**~~

I. Consider to request for approval of a public health service agreement with Burleigh County.

J. Consider the request to receive an update on the public engagement process for the city-initiated street utility fee and half-cent sales tax for roadways home rule charter amendments.

K. ~~**Consider the request from the Finance Department for consideration of an Application for Abatement for 2023 at 840 South Washington Street.**~~

L. Consider the request by Municipal Court to receive, consider, and award bids for indigent defensive contracts for 2026 and 2027, with options to renew for additional two years.

M. Accept an award from the Commission on Accreditation for Law Enforcement Agencies (CALEA) to Bismarck Police Department for its 11th re-accreditation.

N. Consider the request to receive bids and award contract for Water Utility Project 150.

O. Approve the inaugural membership appointments for the Bismarck Event Center Authority Board

4. **OTHER BUSINESS**

**ADJOURN**

# 1086457 - 5th Street SE

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Oct 22, 2025 1:53 PM |
| **Initially Submitted By:** | Joshua Skluzacek |
| **Last Submit Date:** | Nov 18, 2025 1:41 PM |
| **Last Submitted By:** | Joshua Skluzacek |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Mr. (Salutation) Andrew (First Name) Will (Middle Name) Schrank (Last Name) |
| **Title:** | |
| **Email*:** | schrank@highlandseng.com |
| **Address*:** | 319 24th Street E |
| | Dickinson (City) North Dakota (State/Province) 58601 (Postal Code/Zip) |
| **Phone*:** | (701) 483-2444 Ext. Phone ###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Dickinson |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | 45-6002055 |
| **Organization Website:** | http://www.dickinsongov.com/ |
| **Address*:** | 38 1st Street W |

| | |
|---|---|
| | Dickinson North Dakota 58601-____<br>City State/Province Postal Code/Zip |
| **Phone*:** | (701) 456-7715 Ext.<br>###-###-#### |
| **Fax:** | (701) 456-7723<br>###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | 0000000952 |
| **Comments:** | |
| **Location Code:** | ALL |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | 5th Street SE |
| **Sponsor(s)*:** | City of Dickinson |
| **County*:** | Stark |
| **City*:** | Dickinson |
| **Description of Request*:** | New |
| **Project Type:** | Municipal Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | City of Dickinson |

**Jurisdictions/Stakeholders Involved*:**

City of Dickinson - Project Owner
FHWA / NDDOT - Coordinating Urban Roads Program Funding for Roadway Improvements

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The 5th St SE roadway, as well as the water and sanitary sewer mains, currently end ±150' east of Highlands Avenue and do not connect to the 6th Ave SE infrastructure. Water and sewer services are not currently available to the property adjoining this corridor. Completing the 5th St SE collector route would reduce traffic on River Drive, a local road, to improve safety for this residential area. Furthermore, if a closure is ever required on 8th St SE from S Main Ave to 6th Ave SE, or on 6th Ave SE between 5th St SE and 8th St SE, the only alternate traffic route south of the Heart River includes 5th St SE and River Drive. Detouring public traffic from a minor arterial to a local roadway is not desired for safety and pavement structural capacity concerns.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

As part of the roadway improvements, 5th Street SE will be constructed to connect to 6th Ave SE providing an alternate collector route for traffic on the SE portion of this City. The underground water and sanitary sewer infrastructure will be extended ±700' thru this area before this roadway is constructed to provide services to the adjacent properties along this route and to provide a looped water main connection for redundancy in the system.

**Describe the Objectives or Goals Specific to This Application*:**

This project would complete this roadway, water, and sanitary sewer to 6th Ave SE, for a total length of around 700'. This project will provide services for future development along this section of 5th Street SE, and it will provide a looped water main connection by connecting the 5th Street SE water main to an existing water main at 6th Ave SE for redundancy in the water system once this main is connected to existing infrastructure in the 6th Ave SE right-of-way on the east side of this project. Finishing this section of roadway will provide a second east-west connection b/w S Main

Ave and 6th Ave SE south of the Heart River which will help move traffic to this 5th Street SE collector route and off of River Drive, which is a local roadway, helping to make this area safer.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

This application is specifically for the extension of the public water system in 5th St SE from just east of Highlands Ave to 6th Ave SE, for a total length of around 700'.

For this project,

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 25679 |

For this project,

| | |
|---|---|
| **What is the Benefited Population?*:** | 250 |
| **Have Assessment Districts Been Formed?*:** | No |
| **Have Land or Easements Been Acquired?*:** | Yes |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | Yes |

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

The pavement from S Main Ave to just east of Highlands Ave is in fair condition and will be milled and overlaid as part of this project. No roadway currently exists east of Highlands Ave to 6th Ave SE where the water main is to be installed. The date of installation of the water and sanitary sewer from S Main Ave to Kuchenski Dr is unknown. The water and sanitary sewer from Kuchenski Dr to east of Highlands Ave, where they both currently terminate, were installed in 2012. The water system has a diameter of 8", and the gravity sewer mains are also 8" diameter. A 10" sanitary force main from S Main Ave to 5th Ave SE was constructed thru this roadway in 1982. A second 20" sanitary force main was constructed through this entire project length in 2014.

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | Yes |

**Explain the Source, Timing and Amount of Federal Funds:**

80.93% of the roadway, lighting, and storm sewer construction costs are to be funded by FHWA funds through the NDDOT Urban Roads Program. The City is to pay the remaining portion of the roadway construction costs, as well as the construction cost for the water and sanitary sewer systems. As part of the Urban Roads Program, the NDDOT pays the Contractor, and the City will reimburse the NDDOT. This project is currently part of the NDDOT STIP for 2026.

| | |
|---|---|
| **Federal Funding Contact:** | Seng Marohl<br>First Name Last Name |
| **Federal Funding Contact Number:** | 701-328-4449 |
| **Federal Funding Email:** | smarohl@nd.gov |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | Not Applicable |
| **Design Completion*:** | September 2025 |
| **Bid*:** | January 2026 February 6, 2026 |
| **Construction Start*:** | May 2026 |
| **Construction Completion*:** | October 2026 |

**Explain Additional Timeline Issues*:**

The Urban Roads funding is not anticipated to be available until January of 2026, so the project cannot be bid until this time unless additional funding becomes available this year.

| | |
|---|---|
| **Consulting Engineer*:** | Andrew Schrank - Highlands Engineering |
| **Engineer Direct Phone Number*:** | 701-483-2444 |
| **Engineer Email*:** | schrank@highlandseng.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Joshua Skluzacek 10/22/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | Engineering and Community Development Director |
| **Address*:** | City Hall<br>Address Line 1<br>38 1st Street W<br>Address Line 2<br>Dickinson North Dakota 58601-5106<br>City State Zip Code |
| **Direct Phone Number*:** | 701-456-7744 |
| **Sponsor Email*:** | joshua.skluzacek@dickinsongov.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Scott Decker<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Mayor |

| | |
|---|---|
| **Authorized Signor Email:** | scott.decker@dickinsongov.com |
| **Authorized Signor Direct Phone Number:** | 701-456-7744 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Robert Baer<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice President |
| **Additional Board Member Email:** | robert.baer@dickinsongov.com |
| **Additional Board Member Direct Phone Number:** | 701-590-0238 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>*: | 2241335_Project Location Map.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | City Commission - September 2 2025.pdf |
| **Cover Letter:** | 5th St SE DWR Letter of Support_090225.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 241335_SFN61801_Delineation of Cost-REV.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | SU-5-983068_Final Plans_ED.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

| | |
|---|---|
| **Life Cycle Cost Analysis:** | 241335_LCCA Worksheet-REV.xlsx |

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

| | |
|---|---|
| **Asset Inventory Assessment:** | 241335_SFN62417_Basic Asset Inventory Tool.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |

| | |
|---|---|
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | 241335_Infrastructure Issues.pdf |
| **GIS Files:** | 231223_SHP-Water System.zip Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | No |

## Sources

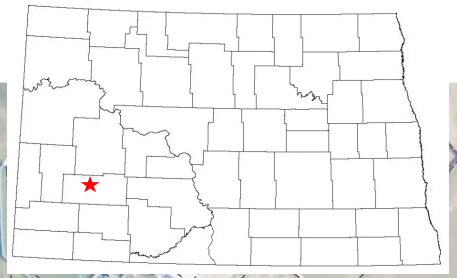
***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Construction | | Current Request | $198,000.00 | $0.00 | $0.00 | $198,000.00 **$197,942.00** | Grant | 0.00 | 0.00 |
| | City of Dickinson Funds | Already Approved | $132,000.00 | $0.00 | $0.00 | $132,000.00 | | 0.00 | 0.00 |
| Not Eligible | NDDOT Urban Roads Funding | | $1,250,000.00 | $0.00 | $0.00 | $1,250,000.00 | | 0.00 | 0.00 |
| Not Eligible | City of Dickinson Funds | | $661,500.00 | $0.00 | $0.00 | $661,500.00 | | 0.00 | 0.00 |
| | | | **$2,241,500.00** | **$0.00** | **$0.00** | **$2,241,500.00** | | | |

# 5TH STREET SE

*from S Main Ave (ND HWY 22) to 6th Ave SE*
*City of Dickinson, ND*



0 200' 400'
SCALE: 1" = 200'

HEART RIVER
KUCHENSKI DR
RIVER DR
5TH ST SE
6TH ST SE
MILL & OVERLAY
NEW CONSTRUCTION
66' R.O.W.
10'
30' TYP.
60'
30'

**PROJECT LIMITS**
(5th Street SE R.O.W. plus 10';
30' into intersections;
30' E&W of 6th Ave SE R.O.W.;
60' N of 5th Street SE
at 6th Ave SE intersection)

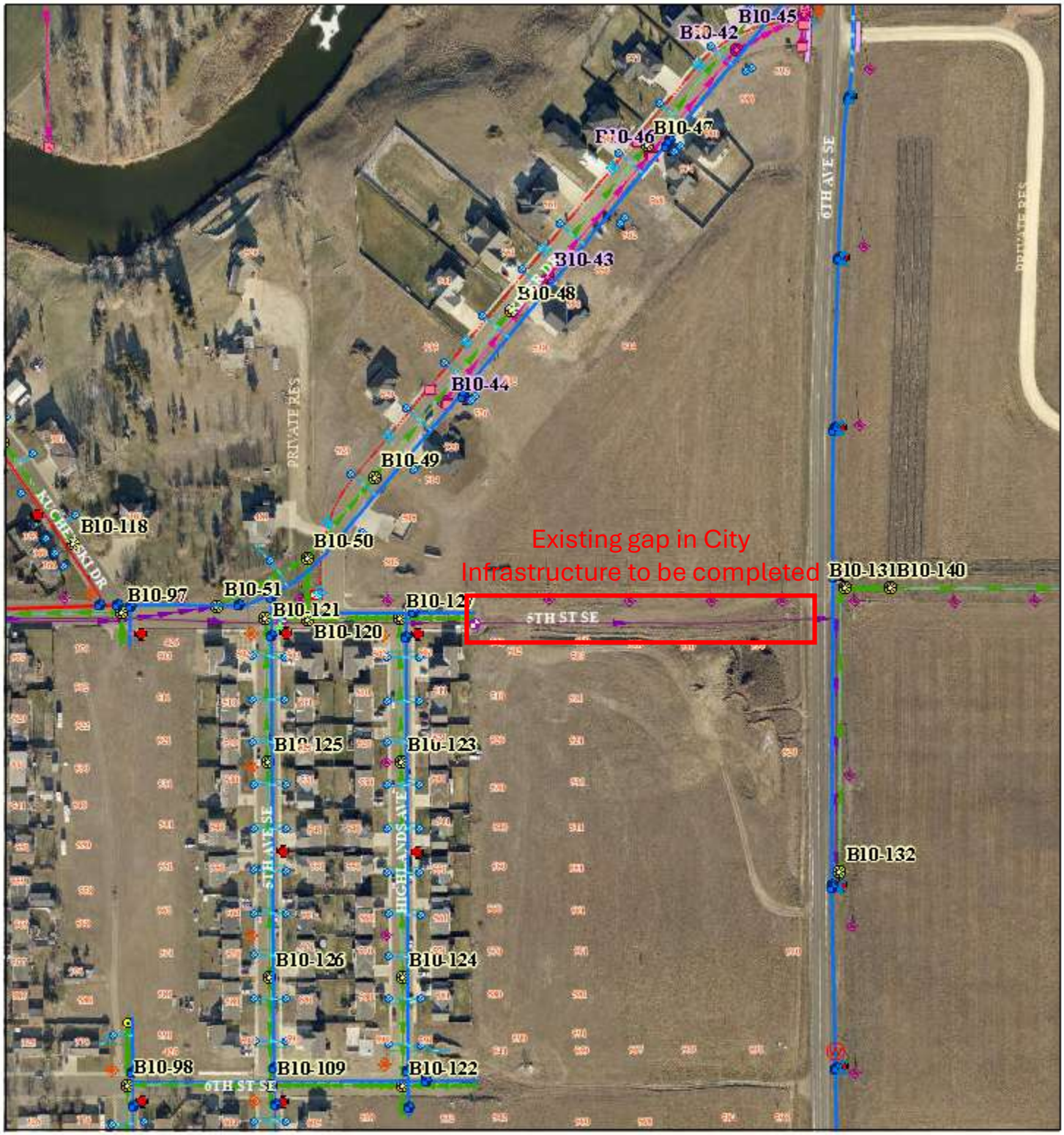
S MAIN AVE (ND HWY 22)
FRONTAGE RD
FRONTAGE RD
1ST AVE SE
2ND AVE SE
3RD AVE SE
4TH AVE SE
5TH AVE SE
HIGHLANDS AVE
6TH AVE SE

| | | | |
|---|---|---|---|
| SHEET NAME: | PROJECT LOCATION MAP | | |
| PROJECT NO.: | SU-5-983(068) | SCALE: | 1"=200' |
| PCN: | 24205 | DATE: | 08/08/2024 |

H:\241335\PROJECT CAD\CURRENT\241335_X-PROJECT MAP.DWG

LAST SAVED: 03/21/2025 8:38 AM BY SCHRANK

# Dickinson Utility Information Map




9/11/2025

1:4,592

0 0.03 0.05 0.1 mi

0 0.04 0.09 0.17 km

Pictometry International, Eagleview, City of Dickinson, Dickinson Engineering Department, Maxar

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (7/2024)

DWR Date Received :

| | |
|---|---|
| **Project:** | 5th Street SE from S Main Ave to 6th Ave SE |
| **Sponsor:** | City of Dickinson |
| **Contact:** | Joshua Skluzacek, Community Development Director |
| **Phone:** | 701_456_7715 |
| **Engineer:** | Andrew Schrank, Highlands Engineering |
| **Phone:** | 701_483_2444 |

| | |
|---|---|
| **Total Cost :** | $ 2,241,404 |
| **Ineligible Cost :** | $ 1,911,500 |
| **Eligible Cost :** | $ 329,904 |
| **Local Cost :** | $ 2,043,462 |

**Date:** November 13, 2025

| | **Cost-Share $** |
|---|---|
| **Preconstruction :** | $ - |
| **Construction :** | $ 197,942 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Municipal Water Supply | 60% |

| Item | % | Cost Classification | Quantities | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ * |
|---|---|---|---|---|---|---|---|---|
| | | **Construction Costs** | | | | | | |
| 1 | 12.0% | Mobilization | 1 | LS | 36,000.00 | $ 36,000 | 60% | $ 21,600 |
| 2 | 1.0% | Bonding | 1 | LS | 3,000.00 | $ 3,000 | 60% | $ 1,800 |
| 3 | 0.3% | Insurance | 1 | LS | 1,000.00 | $ 1,000 | 60% | $ 600 |
| 4 | 6.7% | Boring - Non-Cased | 100 | LF | 200.00 | $ 20,000 | 60% | $ 12,000 |
| 5 | 4.2% | Connection to Existing Line | 1 | EA | 12,500.00 | $ 12,500 | 60% | $ 7,500 |
| 6 | 18.7% | Fittings | 2000 | LBS | 28.00 | $ 56,000 | 60% | $ 33,600 |
| 7 | 12.0% | Gate Valve | 9 | EA | 4,000.00 | $ 36,000 | 60% | $ 21,600 |
| 8 | 6.0% | Hydrant | 2 | EA | 9,000.00 | $ 18,000 | 60% | $ 10,800 |
| 9 | 29.1% | Water Main 8 in | 794 | LF | 110.00 | $ 87,340 | 60% | $ 52,404 |
| 10 | 0.9% | Water Main 6 in | 28 | LF | 100.00 | $ 2,800 | 60% | $ 1,680 |
| 11 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 12 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 15 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 16 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 18 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 19 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 20 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 21 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 22 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 23 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 24 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 25 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | | | | | | | |
| | | **Construction Sub-Total** | | | | $ 272,640 | 60% | $ 163,584 |
| | 10.0% | **Contingency** | | | | $ 27,264 | 60% | $ 16,358 |
| | 13.4% | **Construction Total** | | | | $ 299,904 | 60% | $ 179,942 |
| | | **Preconstruction Costs** | | | | | | |
| 27 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Preconstruction Total** | | | | $ - | 60% | $ - |
| | | **Construction Engineering Costs** | | | | | | |
| 32 | 10.0% | Construction Contract Management | 1 | LS | 30,000.00 | $ 30,000 | 60% | $ 18,000 |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 1.3% | **Construction Engineering Total** | | | | $ 30,000 | 60% | $ 18,000 |
| | | **Other Eligible Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 41 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **In-eligible Costs** | | | | | | |
| 42 | 77.5% | Other Construction | 1 | LS | 1,736,500.00 | $ 1,736,500 | 0% | $ - |
| 43 | 7.8% | Other Construction Engineering | 1 | LS | 175,000.00 | $ 175,000 | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 45 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 85.3% | **Other Ineligible Total** | | | | $ 1,911,500 | 0% | $ - |
| | 100.0% | | | | **Total** | $ 2,241,404 | | |
| | | | | | **Eligible Total** | $ 329,904 | 60% | $ 197,942 |
| | | | | | **Federal or State Funds That Supplant Costs** | $ - | | |
| | | | | | **Eligible Cost Total** | $ 329,904 | 60% | $ 197,942 |

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Dickinson
**Project Title:** 5th Street SE **Date:** November 28, 2025

**Explanation of Alternatives:**

Extend Municipal Infrastructure - This alternative would complete the water infrastructure for 5th Street SE from the end of the existing water main just east of Highlands Avenue to the existing water main in the 6th Ave SE right-of-way providing service for future development along this route and completing this looped water main for redundancy in this system.
Do Nothing - No looping, limits freshening and pressure. Would not leverage simultaneous road construction cost opportunity.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 50 |
| Current Connections Served | 0 |
| Net Connections (New + Current) | 0 |

| | |
|---|---|
| Current CIF Balance | $2,087,400 |
| Annual CIF Contribution | $7,408,200 |
| Cash Funding Target (Percentage %) New Assets | 20% |
| Cash Funding Target (Percentage %) Existing Asets | 40% |
| Annual CIF Contribution suggested for the Project | $1,547 |

| | Extend Municipal Infrastructure | Do Nothing | | |
|---|---|---|---|---|
| Construction Cost | $2,241,000 | $0 | | |
| Annual O & M | $25,000 | $0 | | |

**Details:**

Eligible construction costs are $329,000

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Extend Municipal Infrastructure | Do Nothing | | |
|---|---|---|---|---|
| Eligible Capital Costs | $330,000 | $0 | | |
| O&M | $669,000 | $0 | | |
| Repair, Rehab, Replacement | $89,000 | $0 | | |
| Salvage Value | $24,000 | $0 | | |
| **Total PVC** | **$1,064,000** | **$0** | | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$39** | | | |
| **Comparable Water Rate** | | **$48** | | | |
| Net Connections (New + Current) | | - | - | | |
| Cost-Share Percent | | 60% | 60% | | |
| | Local Share | $132,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $132,000 | $0 | | |
| **Payment Per User With Cost-Share** | | **NA** | **NA** | | |
| | Local Share | $330,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $330,000 | $0 | | |
| **Payment Per User Without Cost-Share** | | **NA** | **NA** | | |

**Explanation of Results:**

The sponsor preferred project is the "Extend Municipal Infrastructure" option. The present value cost of the preferred alternative is $1,064,000 and the presented alternative for comparison is "Do Nothing" at a present value cost of $0. The present value cost per user for the preferred alternative is not applicable as this loops existing systems and adds no new user or direct customers.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2023 | | |
| Population & Trends | 16,010 | 25,130 | 4.4% | 702 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 10/23/25

CITY OF Dickinson North Dakota

# ENGINEERING & COMMUNITY DEVELOPMENT

September 2, 2025

North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58504-5262

**RE: 5th ST SE – HWY 22 to 6th AVE SE Project – City Commission Letter of Support**

The City of Dickinson is in support of the North Dakota Department of Water Resources (DWR) grant application regarding the 5th St. SE – HWY 22 to 6th Ave. SE Project; City of Dickinson project number 202417. The project is anticipated to extend approximately 670-lineal feet of new 8-inch PVC watermain. By extending the infrastructure to connect to 6th Ave. SE, it is our goal to promote new development in the area and to loop our existing watermain infrastructure.

The City of Dickinson appreciates the opportunity to apply for the municipal water supply grant through the DWR. The grant will allow the City to provide safe and adequate drinking water to our citizens for years to come.

Thank you,

Scott Decker
Mayor

38 1st ST W | Dickinson ND 58601 | 701.456.7000
www.dickinsongov.com | Fax: 701.456.7723 | www.facebook.com/cityofdickinsonnd

**I.** CALL TO ORDER

President Scott Decker called the meeting to order at 4:30 PM

**II.** ROLL CALL

Present were: President Scott Decker, Vice President Robert Baer, Commissioners Jason Fridrich.

Telephone: Commissioner Joe Ridl

Absent: None

**1. PLEDGE OF ALLEGIANCE**

**Swearing in of Commissioner Russ Murphy**

City Administrator Dustin Dassinger swears in the newest Commissioner Russ Murphy. Commissioner Murphy took his seat on the Board of City Commission for a total of 5 votes.

**2. ORDER OF BUSINESS**

MOTION BY: Jason Fridrich SECONDED BY: Robert Baer

To approve the August 19, 2025 meeting as presented but removing the 5:00 p.m. time table.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**3. CONSENT AGENDA**

MOTION BY: Robert Baer SECONDED BY: Joe Ridl

**A. Approval of Meeting Minutes dated August 19, 2025**

**B. Approval of Accounts Payable, Commerce Bank and Checkbook**

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**4. ADMINISTRATION/FINANCE**

**A. Official Results of Special Commission Election**

City Administrator Dustin Dassinger states the Canvas Board met earlier in the morning and the certified and final results of the special commission election are:
529 votes for Russ Murphy
175 votes for Mathew Rothstein
106 votes for Amanda Wanner
65 votes for Dean Kluver
1 write in vote.
Total votes casted were 876.

**B. RFP for Appraisal Services for City Property**

City Administrator Dustin Dassinger states the City has three parcels of land for sale. In order to ensure accurate valuation and transparency, staff recommend soliciting professional appraisal services for three identified parcels. The three parcels are Lot 1, Block 1, of the Prairie Meadows Subdivision. Parcel ID # 2999-0100-0100 (13.29 acres located west of the Dickinson Middle School). Lot 2, Block 1, of the Museum Center Addition. Parcel ID # 0791-0100-0200. 46 West Museum Drive (1.16 acres – Armory). Lot 1, Block 1, of the Museum Center Addition. Parcel ID # 0791-0100-0100. 66 West Museum Drive (3.93 acres – Land in which the Dickinson LEC exists). City Staff recommends approval in moving forward with the RFP for appraisal services.

MOTION BY: Robert Baer SECONDED BY: Russ Murphy
To approve RFP for Appraisal Services for City Property

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**C. Public Safety Sales Tax Discussion**

City Administrator Dustin Dassinger states that public safety is one of the most critical responsibilities of local government. The City of Dickinson in partnership with Stark County, provides police, fire, EMS, and emergency management services that are essential to the health, safety, and well-being of our residents and visitors. In recent years, the demand for public safety services has increased, while the costs of personnel, equipment, facilities, and technology have continued to rise. He states the current revenue sources are stretched and do not adequately address long-term operational and capital needs. To ensure sustainable funding for these essential services, staff is presenting for discussion a proposal to establish a dedicated 1 % Public Safety Sales and Use Tax. The revenue allocation would be: 80% to the City of Dickinson for public safety operations and infrastructure and **2**0% to Stark County for public safety operations and infrastructure.

President Scott Decker states if this resolution should pass it would be placed on the June primary ballot in 2026. He states it is ultimately up to the people to decide if this is the direction they want to go as a City. It is increasingly difficult to not only manning the individuals but to keep up with the equipment. The City is anticipating replacing another fire engineer for $1.5 million dollars. These fire engines run for 30 years. President Decker states this is not getting any cheaper to do business. He does expect a hefty increase with the shopping at TJ Max.

Commissioner Jason Fridrich states that a new ambulance is about $350,000.

Commissioner Robert Baer states there needs to be some clarification that this does not include when dispatch of an ambulance to a residence and then to the hospital.

City Administrator Dustin Dassinger states if a resident needs an ambulance, you are still going to be billed for the ambulance. This tax would bring in about $7 million dollars.

President Scott Decker feels that in the future the City will be able to collect off of those passing through the City going to Medora. He states not only does Dickinson responded to a fire, ambulance and others also does Stark County. He states sales tax is not collected on a car sale.

Commissioner Jason Fridrich states that other municipalities have done this around the State and should bring to people and hopefully the City can get it passed and taken some of the pressure off of the budget.

City Administrator Dustin Dassinger states the agriculture, staple groceries, vehicles, medication and other would not be affected by this tax.

City Attorney Christina Wenko will bring a resolution forward at the next commission meeting.

**D. ABM Contract Renewals**

IT Director Aaron Meyer states this contract serves as a lease renewal for 3 Savin Printers located at the Public Safety Center. This would be for records, fire administration and criminal investigations. This contract is similar to the previous

contracts and it will reduce the overall monthly contract cost by $7.47 or $89.64 Annually.

MOTION BY: Jason Fridrich SECONDED BY: Russ Murphy
To approve the ABM Contract Renewals

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**E. RFP Bid Award for Immutable Backup Storage**

IT Director Aaron Meyer states in the fall of 2024 the City submitted a Grant application to the State of ND to secure federal funding for an immutable backup server storage project. In June 2025 we received notification that we were awarded this project which will receive up to $98,000 of federal funding based on a 70% Federal / 30% Local split. The City went through the RFP process and received 6 bids with 8 different options ranging from $55,813.64 to $625,525.73. The bids were reviewed and one was rejected due to not meeting all the requirements. TrueNAS – Option 2 came in at $113,824.40, which splits to $79,677.08 as Grant Funded with a Local Match of $34,147.32. This is a one-time hardware purchase and 5-year contract.

MOTION BY: Robert Baer SECONDED BY: Joe Ridl
To approve the award of the bid to TrueNas for Immutable Backup Storage.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**5. PUBLIC WORKS**

**A. Water Reclamation Facility Manager Job Description**

Deputy Public Works Director Jacob Waldo presents a job description for a Water Reclamation Facility Manager position. The role of this position is to provide direct oversight to facility staff and to facilitate the ongoing development of a comprehensive preventative maintenance program to ensure facility equipment and grounds are maintained to the highest standard into the future. He states this position has been vacant for 3 years. It is the recommendation of Public Works staff to return this position to our organization to ensure the continued success of our Water Reclamation Facility.

Commissioner Russ Murphy asks if there are applicants out there for this position.

Director Waldo states someone is going to jump right out and this will be the particular caliber we are looking for. There is no way for accurately speculate the new hire. Getting the individual into this position is going to be very choosey. The internal hiring is minimal.

MOTION BY: Russ Murphy SECONDED BY: Robert Baer
To approve the Water Reclamation Facility Manager Job Description.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**6. PUBLIC SAFETY**

**A. Fire**

**No Report**

**B. Police**

**No Report**

7. **COMMUNITY DEVELOPMENT SERVICES**

**A. 10th Avenue East – Museum Drive to 21st Street East DWR Letter of Support**

Engineer and Community Development Director Joshua Skluzacek states the City is in support of the North Dakota Department of Water Resources grant application regarding the 10th Ave. E – Museum Dr. to 21st ST E Project. The project is anticipated to replace approximately 700-lineal feet of 14-inch Asbestos Cement watermain with new 14-inch PVC watermain. The Asbestos Cement watermain have been the second most frequent watermains to break within the City of Dickinson which is why this segment is a priority for the project. The City does plan to submit for a NDDOT Flex Fund.

MOTION BY: Jason Fridrich SECONDED BY: Russ Murphy

To approve the 10th Avenue East – Museum Drive to 21st Street East DWR Letter of Support.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**B. 5th Street SE Watermain Extension DWR Letter of Support**

Engineer and Community Development Director Joshua Skluzacek presents letter of support to the North Dakota Department of Water Resources grant application regarding the 5th St. SE – HWY 22 to 6th Ave. SE Project. The project is anticipated to extend approximately 670-lineal feet of new 8-inch PVC watermain. By extending the infrastructure to connect to 6th Ave. SE, it is our goal to promote new development in the area and to loop our existing watermain infrastructure.

MOTION BY: Robert Baer SECONDED BY: Jason Fridrich

To approve the 10th Avenue East – Museum Drive to 21st Street East DWR Letter of Support.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**C. Clarifier Gear Box Improvements**

Senior Engineer Kris Keller presents a proposal from ClearStream Environmental to provide material & installation for the Drive Gearbox, Safety Stairway, and access plating for both Final Clarifiers located at the Water Reclamation Facility. Engineer Keller states while on-site, the representative was asked to conduct additional inspections on the drive mechanism (Gearbox) for the clarifier arms. The representative indicated the gearbox was in need of a mid-life overhaul. Two options were identified: refurbishment or replacement during the clarifier arm project, as conducting the gearbox maintenance required removal of the dome roof and re-work on the arms. The public works & engineering departments determined that replacement is the preferred alternative due to a material upgrade, improved reliability and project timing. The representative also indicated that improved access for gearbox maintenance was possible with the proposed deck grating. Also, the representative noted the access method the WRF staff used to inspect the clarifier. The representative stated that a significantly safer method was available. The method is a retractable staircase and is included in the proposal. The current method involves the use of a man-basket with a portable crane. While this is an accepted industrial practice, the staircase provides a significant safety improvement over the crane/basket. The proposal includes equipment drawings, operational & maintenance manuals, material, logistics, and installation with coordinated support from WRF staff. The gearbox expected lifetime is 30+ years with suggested maintenance with a mid-life overhaul based on inspection. The contract is for $186,625 on a fixed price basis. This funding for this project will be from Cash on Hand. The City Attorney has reviewed the contract. The City Engineering staff recommends approval.

Commissioner Joe Ridl asks what the difference would be new versus refurbished

Engineer Keller states there would be no warranty on the refurbished one and the new one does have a warranty for craftsmanship and installation as the company will be doing this themselves.

MOTION BY: Joe Ridl SECONDED BY: Russ Murphy
To approve the ClearStream Environmental contract for the clarifier gear box improvement.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**D. Library Expansion – Construction Geotech**
Senior Engineer Kris Keller presents to the Commission for their consideration a contract with Braun Intertec to provide construction geotechnical services for library expansion. The geotechnical services include: soil observation & testing, concrete testing, structural steel observations, helical pier/pile observation & testing. These services are essential for verification of proper foundation and structural installation. The amendment will be for $32,827.50 on a time & material basis. This work budgeted and will be funded through private donations and local sales tax. The City Attorney has reviewed this contract. The City Engineering staff recommends approval.

MOTION BY: Robert Baer SECONDED BY: Jason Fridrich
To approve the Library Expansion contract with Braun Intertec.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**E. Sanitary Manhole Repairs Construction Award**
Senior Engineer Kris Keller provides the Commission for their consideration a construction contract with Flatland Excavating, LLC to provide material and construction services for the Sanitary Sewer Manhole Repair for a fixed price of $1,192,437. The bid opening was coordinated electronically by Moore Engineering and took place on August 14, 2025. The engineer's opinion of cost was $1,376,650, representing 13.4% decrease. The net decrease in pricing is the material cost and sanitary system by-pass pumping. The bid award is contingent upon contractor acceptance of terms and condition changes requested by the City Attorney, as attached in the commissioner's packet.

MOTION BY: Joe Ridl SECONDED BY: Jason Fridrich
To approve the Sanitary Manhole Repairs Construction Award to Flatland Excavating, LLC.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**F. Water Reclamation Facility Task Order to Apex Engineering**
Senior Engineer Kris Keller presents for consideration an engineering service task order with APEX Engineering, Inc. to perform engineering design, bidding assistance, and construction phase services. WRF IFAS Improvements, WRF Preliminary Treatment Improvements, WRF Biosolids Holding Tank, and Clarifier Improvements. The contract cost is $450,250. This task order falls under the current Master Service Agreement with APEX Engineering, dated January 1, 2018. The city engineering staff recommends approving this proposal.

MOTION BY: Robert Baer SECONDED BY: Jason Fridrich
To approve the Water Reclamation Facility Task Order with Apex Engineering.

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0

Motion declared duly passed

**G. Monthly Report**

Engineer and Community Development Director Joshua Skluzacek presents the monthly report for the department. He states there were 27 development applications, 8 final plats, 17 lot modifications, 6 application for Dickinson Revitalization Program, 35 development meetings and not all of them came to fruition but most of them do. He states in the Building and Codes Department they are mostly ahead in the year as compared to last. He reviewed several projects. He states in the GIS Department he is working with EagleView to utilize recently approved system upgrades and planning for the future, 2026 imagery flight with 1" pixel sizing. This should be amazing.

Commissioner Robert Baer states this is worth repeating as sometimes the public does not hear everything but it has to do with Highway 22 and 3rd Avenue signal light replacement.

Engineer Josh Skluzacek states the traffic lights currently being suspended are temporary signals similar to permanent traffic signals. The project is awaiting on actual poles to be delivered and they are still in manufacturing. The contractor was asked to restrict activity during morning peak and afternoon peak hours.

President Scott Decker asks about the LiDAR that went over the City and Patterson Lake fly over and is wondering if the recording is available to the public.

Engineer Skluzacek states this is available to the public by request.

**8. PUBLIC HEARING – 5:00 P.M.**

**A. Public Hearing – Scout Energy Well Recommendation**

Removed from agenda.

**B. Public Hearing – Amendment to Chapter 4**

City Administrator Dustin Dassinger presents an amendment to Chapter 4 which is in reference to the bidding deadline for Legacy Square. Currently the bidding deadline is 10/1 and the amendment would move the bidding deadline to 11/15. This would be in order to solidify the dates for the events for the following year.

President Scott Decker opens the public hearing at 5:04 p.m. Hearing no public comments, the public hearing is closed at 5:05 p.m. and the following motion is made.

MOTION BY: Robert Baer SECONDED BY: Russ Murphy
To approve the first reading of Ordinance 1826.

**ORDINANCE NO. 1826**

**AN ORDINANCE AMENDING AND REENACTING ARTICLE 4-48 OF THE MUNICIPAL CODE OF THE CITY OF DICKINSON, NORTH DAKOTA, RELATING TO ALCOHOL LICENSES**

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**C. Public Hearing – Amendment to Chapter 6**

City Attorney Christina Wenko states the amendment to Chapter 6 clearly states the fine for running at large for a fine of $50. City staff had discovered the code wording was presented in different sections and now it will be easily accessible and easier to follow when reading the code.

President Scott Decker opens the public hearing at 5:06 p.m. Hearing no public comments, the public hearing is closed at 5:07 p.m. and the following motion is made.

MOTION BY: Russ Murphy SECONDED BY: Jason Fridrich
To approve the first reading of Ordinance 1827.

**ORDINANCE NO. 1827**

**AN ORDINANCE AMENDING AND RE-ENACTING SECTION 6-39 DAKOTA, RELATING TO ANIMAL NUISUANCES**

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**D. Public Hearing – Amendment to Chapter 58**

City Attorney Christina Wenko presents an amendment to Chapter 58. Some of the terminology has changed in the City's Code section and staff would like to revert it back to what the staff is used to. She states Issuance to Warrant back to Failure to Comply is the wording the staff would like to revert back to. There is no code language change, title of code section only.

President Scott Decker opens the public hearing at 5:09 p.m. Hearing no public comments, the public hearing is closed at 5:10 p.m. and the following motion is made.

MOTION BY: Jason Fridrich SECONDED BY: Robert Baer
To approve the first reading of Ordinance 1828.

**ORDINANCE NO. 1828**

**AN ORDINANCE AMENDING AND RE-ENACTING SECTION 58-4 DAKOTA, RELATING TO ISSUANCE OF WARRANTS AND FAILURE TO COMPLY NOTICES**

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**E. Public Hearing – Amendment to Chapter 58-100**

City Attorney Christina Wenko states HB1298 adjusted the fines for speeding violations. This chapter 58-100 change would remove prior fine system and replace it with the current state fine system. Ms. Wenko explains the new current fine system for public knowledge.

President Scott Decker opens the public hearing at 5:13 p.m. Hearing no public comments, the public hearing is closed at 5:14 p.m. and the following motion is made.

MOTION BY: Joe Ridl SECONDED BY: Russ Murphy
To approve the first reading of Ordinance 1829

**ORDINANCE NO. 1829**

**AN ORDINANCE AMENDING AND RE-ENACTING SECTION 58-100 OF THE MUNICIPAL CODE OF THE CITY OF DICKINSON, NORTH DAKOTA, RELATING TO STATUTORY FEES FOR TRAFFIC VIOLATIONS**

DISPOSITION: Roll call vote…Aye 5, Nay 0, Absent 0
Motion declared duly passed

**9. PUBLIC COMMENTS NOT ON AGENDA**

**None**

**10. COMMISSION COMMENTS**

**None**

**11. ADJOURNMENT**

MOTION BY: Joe Ridl SECONDED BY: Jason Fridrich

Adjournment of the meeting was at 5:35 P.M.

DISPOSITION: Roll call vote… Aye 5, Nay 0, Absent 0
Motion declared duly passed.

OFFICIAL MINUTES PREPARED BY:

Rita Binstock, Assistant to City Administrator

APPROVED BY:

Dustin Dassinger, City Administrator

Scott Decker, President
Board of City Commissioners

Date: September 16, 2025

DWR Date Received : 12/23/25

Water Development Plan: Yes (2025)
Plan Priority: Low

J 5

# 1087027 - Lisbon Utility Improvement District No. 2023-1

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 23, 2025 2:09 PM

**Initially Submitted By:** Kristina Dick

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh First Name
Middle Name Wayt Last Name

**Title:** Funding Specialist

**Email*:**
josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E

### Organization Information

**Status*:** Approved

**Name*:** City of Lisbon

**Organization Type*:** Political Subdivision

**Tax Id:** 45-600213

**Organization Website:**

**Address*:** PO Box 1079

Suite 1

West Fargo North Dakota
City State/Province

58078
Postal Code/Zip

**Phone*:** (701) 200-5455 Ext.
Phone
*###-###-####*

**Fax:** *###-###-####*

**Comments:**

Lisbon North Dakota
City State/Province

58054-0000
Postal Code/Zip

**Phone*:** (701) 683-4140 Ext.
*###-###-####*

**Fax:** *###-###-####*

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

# Infrastructure Funding Request

### *Infrastructure Funding Request*

**Project Name*:** Lisbon Utility Improvement District No. 2023-1

**Sponsor(s)*:** City of Lisbon

**County*:** Ransom

**City*:** Lisbon

**Description of Request*:** New

**Project Type:** Municipal Water Supply

**If Project is a Study, What Type?:**

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:**

Sheyenne River, Sheyenne Delta Aquifer (Southeast Rural Water Users District)

**Jurisdictions/Stakeholders Involved*:**

The City of Lisbon and its residents.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The City has initiated a project to replace Cast Iron Pipe (CIP) and Asbestos Cement Pipe (ACP) watermains that are dilapidated and beyond their serviceable life. For example, the ACP is estimated to be at least 65 years old but has a life expectancy of just 50 years. The City's distribution system contains 16 blocks of CIP and ACP watermains that were not replaced with PVC pipes during previous projects. Additionally, the City's wastewater collection system contains 30 blocks of Vitrified Clay Pipe (VCP) sewer mains that are characterized by offset joints, sags, minor separations, and restricted internal diameters.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The City will use the open-cut method to replace 16 blocks of existing CIP and ACP watermain with new PVC pipe. The project will also replace water services and curb stops (to the property line) as well as hydrants along the new main lines. The water distribution project described here is part of a broader project that will also replace and rehabilitate wastewater, stormwater, and street infrastructure. Specifically, the City has 30 blocks of VCP sanitary sewer mains that will be rehabilitated with cured-in-place pipe (CIPP) or replaced via the open-cut method (in areas where the water mains are also being replaced).

**Describe the Objectives or Goals Specific to This Application*:**

The present application is seeking 60% DWR cost share for construction of the water-eligible portion of the project.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The City is seeking DWR cost share for water-eligible costs associated with the construction (and construction engineering) of the project described above.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 2204 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 2204 |
| **Have Assessment Districts Been Formed?*:** | Yes |
| **Date Formed:** | 08/05/2023 |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | Yes |

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

The project will replace ACP and CIP water distribution infrastructure and VCP sanitary sewer collection infrastructure. This infrastructure is at least 65 years old and is now deteriorated and beyond its serviceable life.

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | Yes |

**If Yes or Ongoing, Please Explain (include type/number):**

The City obtained a ND NFIP Floodplain Development Permit in March 2025.

**Have You Been Approved for any State Permits?:** Yes

**If Yes or Ongoing, Please Explain (include type/number):**

The City obtained a ND NFIP Floodplain Development Permit in March 2025.

**Have You Applied for any Local Permits?*:** N/A

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** No

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 1/31/2025

**Design Completion*:** 10/31/2025

**Bid*:** 11/15/2025

**Construction Start*:** 05/01/2026

**Construction Completion*:** 10/30/2026

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

**Consulting Engineer*:** Justin Hall

**Engineer Direct Phone Number*:** 701-499-5896

| | |
|---|---|
| **Engineer Email*:** | justin.hall@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Kristina (First Name) Dick (Last Name) 12/23/2025 (Date) |
| **Title/Position/Authority*:** | Auditor |
| **Address*:** | po box 1079<br>Address Line 1<br>Address Line 2<br>Lisbon (City) North Dakota (State) 58054-____ (Zip Code) |
| **Direct Phone Number*:** | 701-683-4140 |
| **Sponsor Email*:** | kristina@cityoflisbon.net |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

| | |
|---|---|
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Kristina Dick<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Auditor |
| **Authorized Signor Email:** | kristina@cityoflisbon.net |
| **Authorized Signor Direct Phone Number:** | 701-683-4140 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Tim Meyer<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Mayor |
| **Additional Board Member Email:** | Timc.meyer@gmail.com |
| **Additional Board Member Direct Phone Number:** | 701-680-9060 |

# Documentation

### *Documentation*

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 20337_Lisbon_Construction_Exhibit.pdf |

| | |
|---|---|
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | Yes |
| **Engineer's Estimate of Probable Cost** Separate Project Components by Type (Storm Sewer, Sanitary Sewer and Associated Roads, Drinking Water and Associated Roads, and Roads) **:** | 20337_Lisbon_Construction_EOPC.pdf |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 20337_Lisbon_Construction_MeetingMinutes_20241104.pdf |
| **Cover Letter:** | 20337_Lisbon_Construction_CoverLetter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 20337_Lisbon_Construction_DelineationCosts_12.22.25.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 20337_Lisbon_Construction_BiddingProjectManual_20251201.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

| | |
|---|---|
| **Life Cycle Cost Analysis:** | 20337_Lisbon_Construction_LCCA_12.22.25.xlsx |

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

| | |
|---|---|
| **Asset Inventory Assessment:** | 20337_Lisbon_Construction_BAIA_20251223.xlsx |

| | |
|---|---|
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | Yes |
| **Feasibility/Engineering Study Material:** | 20337_Lisbon_Construction_FacilityPlan20250820.pdf |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | No |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $100,000.00 | $0.00 | $0.00 | $100,000.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $1,532,343.00 | $0.00 | $0.00 | $1,532,343.00 | | 0.00 | 0.00 |
| BND Infrastructure Revolving Loan Fund | | Already Approved | $2,840,000.00 | $0.00 | $0.00 | $2,840,000.00 | | 0.00 | 0.00 |
| Clean Water State Revolving Fund | | Already Approved | $7,500,000.00 | $0.00 | $0.00 | $7,500,000.00 | | 0.00 | 0.00 |
| Drinking Water State Revolving Fund | | Already Approved | $1,237,657.00 | $0.00 | $0.00 | $1,237,657.00 | | 0.00 | 0.00 |
| | | | **$13,210,000.00** | **$0.00** | **$0.00** | **$13,210,000.00** | | | |

DWR Date Received : 1/6/26

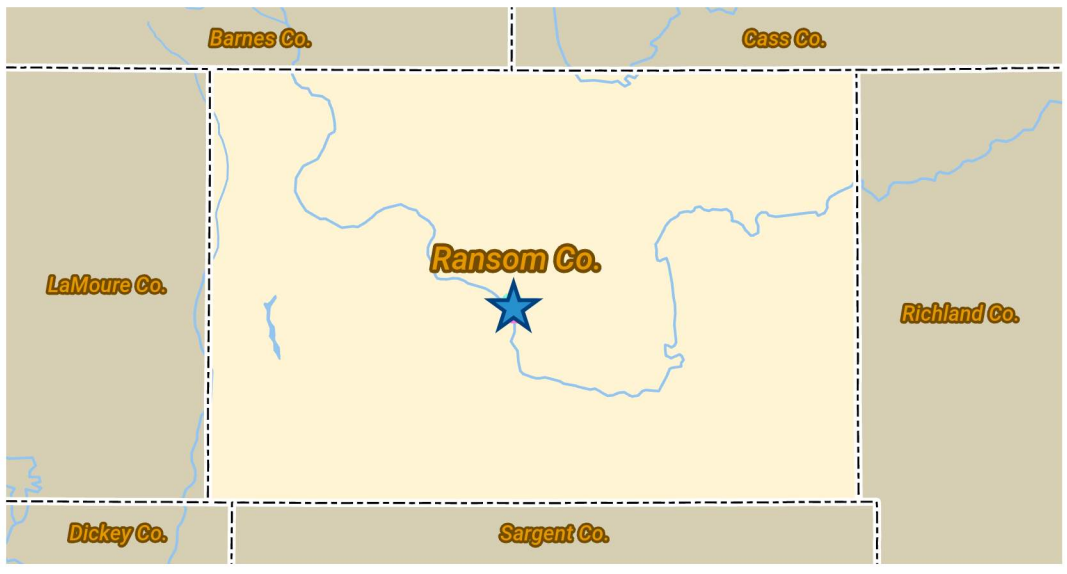
## Legend

### Improvement Type

- Sanitary Sewer Reline
- Sanitary Sewer Replacement
- Sanitary Reline and Storm Replacement
- Sanitary Reline and Water Services
- Sanitary Replacement and Reline
- Sanitary and Storm Replacement
- Sanitary and Water Replacement
- Storm Sewer Replacement
- Roadway Only
- Water Main Replacement

Source: Esri, USDA FSA




# PROPOSED IMPROVEMENTS
# SEWER, WATER AND STORM
# LISBON, NORTH DAKOTA

Created By: KMV Date Created: 01/06/26 Date Saved: 01/06/26 Project Number: 20337
Map Name: DWR Main Map Exported By: kyle.volk Date Exported: 01/06/26 Parcels: N/A Aerial Image: NAIP
Coordinate System: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
T:\Projects\20300\20337\10_ArcPro\20337_DWR_Exhibit\20337_DWR_Exhibit.aprx

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moore engineering, inc.
a Vistal company

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 23, 2025

| | |
|---|---|
| **Date :** | 12/22/25 |
| **Project :** | Utility Improvement District No. 2023-1 |
| **Sponsor :** | City of Lisbon |
| **Contact :** | Kristina Dick, Auditor |
| **Phone :** | 701-683-4140 |
| **Engineer :** | Justin Hall, Moore Engineering |
| **Phone :** | 701-499-5896 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 13,210,000.00 | **Total Cost-Share* :** | $ 1,632,343.01 |
| **Ineligible Cost :** | $ 10,489,428.32 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 2,720,571.68 | **Preconstruction :** | $ 99,999.60 |
| **Local Cost :** | $ 11,577,656.99 | **Construction :** | $ 1,532,343.41 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | | | | $ - | 60% | $ - |
| 2 | 0.0% | | | | | $ - | 60% | $ - |
| 3 | 0.0% | | | | | $ - | 60% | $ - |
| 4 | 0.0% | | | | | $ - | 60% | $ - |
| 5 | 0.0% | | | | | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 0.0% | Advertising and Publishing | 1 | LS | 765.00 | $ 765.00 | 60% | $ 459.00 |
| 7 | 0.1% | Preliminary Design | 1 | LS | 9,179.00 | $ 9,179 | 60% | $ 5,507.40 |
| 8 | 0.2% | Final Design | 1 | LS | 29,742.00 | $ 29,742 | 60% | $ 17,845.20 |
| 9 | 0.9% | Bidding/Negotiations | 1 | LS | 117,036.00 | $ 117,036 | 60% | $ 70,221.60 |
| 10 | 0.1% | Geotechnical Investigations | 1 | LS | 9,944.00 | $ 9,944 | 60% | $ 5,966.40 |
| | 1.3% | **Preconstruction Total** | | | | $ 166,666.00 | 60% | $ 99,999.60 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 0.9% | Construction Contract Mmgt. | 1 | LS | 112,664.78 | $ 112,664.78 | 60% | $ 67,598.87 |
| 12 | 0.2% | Post-Construction/Record Drawings | 1 | LS | 26,015.33 | $ 26,015.33 | 60% | $ 15,609.20 |
| 13 | 1.3% | Project Inspection/Construction Staking | 1 | LS | 168,997.18 | $ 168,997.18 | 60% | $ 101,398.31 |
| 14 | 0.0% | | | | | $ - | 60% | $ - |
| | 2.3% | **Construction Engineering Total** | | | | $ 307,677 | 60% | $ 184,606.37 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.1% | Mobilization | 1 | LS | 283,333.33 | $ 283,333.33 | 60% | $ 170,000.00 |
| 16 | 0.0% | Bonding | | | | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | | | | $ - | 60% | $ - |
| 18 | 0.4% | Traffic Control, Testing, and BMPs | 1 | LS | 47,666.67 | $ 47,666.67 | 60% | $ 28,600.00 |
| 19 | 0.1% | Temporary Water | 1 | LS | 18,500.00 | $ 18,500.00 | 60% | $ 11,100.00 |
| 20 | 0.1% | Roadway Removals | 1 | LS | 9,103.00 | $ 9,103.00 | 60% | $ 5,461.80 |
| 21 | 1.0% | Utility Removals | 1 | LS | 126,678.00 | $ 126,678.00 | 60% | $ 76,006.80 |
| 22 | 4.1% | Water Main | 1 | LS | 542,820.00 | $ 542,820.00 | 60% | $ 325,692.00 |
| 23 | 1.7% | Curb Stop | 1 | LS | 218,750.00 | $ 218,750.00 | 60% | $ 131,250.00 |
| 24 | 0.6% | Water Service Line | 1 | LS | 83,750.00 | $ 83,750.00 | 60% | $ 50,250.00 |
| 25 | 1.3% | Gate Valve | 1 | LS | 170,750.00 | $ 170,750.00 | 60% | $ 102,450.00 |
| 26 | 1.2% | Hydrant | 1 | LS | 162,000.00 | $ 162,000.00 | 60% | $ 97,200.00 |
| 27 | 2.5% | Roadway Restoration | 1 | LS | 327,965.50 | $ 327,965.50 | 60% | $ 196,779.30 |
| 28 | 0.2% | Concrete | 1 | LS | 32,593.00 | $ 32,593.00 | 60% | $ 19,555.80 |
| 29 | 0.1% | Seeding | 1 | LS | 18,675.00 | $ 18,675.00 | 60% | $ 11,205.00 |
| 30 | 0.0% | | | | | $ - | 60% | $ - |
| 31 | 0.0% | | | | | $ - | 60% | $ - |
| 32 | 0.0% | | | | | $ - | 60% | $ - |
| 33 | 0.0% | | | | | $ - | 60% | $ - |
| 34 | 0.0% | | | | | $ - | 60% | $ - |
| 35 | 0.0% | | | | | $ - | 60% | $ - |
| 36 | 0.0% | | | | | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 2,042,584.50 | 60% | $ 1,225,550.70 |
| | 1.5% | **Allowable Contingency (10%)** | | | | $ 204,258.45 | 60% | $ 122,555.07 |
| | 0.0% | **Elective Contingency Reduction** | 1 | **LS** | (614.56) | $ (614.56) | 60% | $ (368.74) |
| | 17.0% | **Construction Total** | | | | $ 2,246,228.39 | 60% | $ 1,347,737.03 |
| | | | | | Eligible Preconstruction | $ 166,666.00 | 60% | $ 99,999.60 |
| | | | | | Eligible Construction | $ 2,553,905.68 | 60% | $ 1,532,343.41 |
| | | | | | **Eligible Total** | $ 2,720,571.68 | 60% | $ 1,632,343.01 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 10.3% | Other Preconstr. Eng. (Not Water Related) | 1 | LS | 1,359,350.00 | $ 1,359,350 | 0% | $ - |
| 38 | 0.0% | | | | | $ - | 0% | $ - |
| 39 | 0.0% | | | | | $ - | 0% | $ - |
| 40 | 0.0% | | | | | $ - | 0% | $ - |
| | 10.3% | **Preconstruction Ineligible Total** | | | | $ 1,359,350 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 54.0% | Other Constr. (Not Water Related) | 1 | LS | 7,135,856.00 | $ 7,135,856.00 | 0% | $ - |
| 42 | 5.4% | Other Constr. Contingencies (Not Water Related) | 1 | LS | 711,438.61 | $ 711,438.61 | 0% | $ - |
| 43 | 9.5% | Other Constr. Eng. (Not Water Related) | 1 | LS | 1,252,783.71 | $ 1,252,783.71 | 0% | $ - |
| 44 | 0.2% | Legal Expenses | 1 | LS | 30,000.00 | $ 30,000.00 | 0% | $ - |
| | 69.1% | **Construction Ineligible Total** | | | | $ 9,130,078.32 | 0% | $ - |
| | | | | | **Ineligible Total** | $ 10,489,428.32 | 0% | $ - |
| | 100.0% | | | | **Project Total** | $ 13,210,000.00 | | |
| | | | | | **Federal or State Funds That Supplant Costs** | | | |
| | | | | | **Eligible Cost Total** | $ 2,720,571.68 | 60% | $ 1,632,343.01 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Lisbon
**Project Title:** Utility Improvement District No. 2023-1 **Date:** December 30, 2025

**Explanation of Alternatives:**

No Action - This alternative leaves the existing water distribution system in its current state.
Replace Open-Cut (Water Costs Only) - Water replacement via open-out trench. Includes the removal and replacement of water mains, gate valves, hydrants, and services.
Replace Open-Cut (All Costs Included) - Includes all non-water related costs.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 920 |
| Net Connections (New + Current) | 920 |

| | |
|---|---|
| Current CIF Balance | $385,000 |
| Annual CIF Contribution | $30,000 |
| Cash Funding Target (Percentage %) New Assets | 1% |
| Cash Funding Target (Percentage %) Existing Asets | 1% |
| Annual CIF Contribution suggested for the Project | $107 |

| | No Action | Replace Open-Cut (Water Costs Only) | Replace Open-Cut (All Costs Included) | |
|---|---|---|---|---|
| Construction Cost | $0 | $2,720,571 | $13,210,000 | |
| Annual O & M | $45,000 | $15,000 | $30,000 | |

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | No Action | Replace Open-Cut (Water Costs Only) | Replace Open-Cut (All Costs Included) | |
|---|---|---|---|---|
| Capital Costs | $0 | $2,721,000 | $13,210,000 | |
| O&M | $1,244,000 | $399,000 | $802,000 | |
| Repair, Rehab, Replacement | $0 | $895,000 | $895,000 | |
| Salvage Value | $0 | $64,000 | $54,000 | |
| **Total PVC** | **$1,244,000** | **$3,951,000** | $14,853,000 | |
| | | | | |
| **PV Cost Per User** | **$1,352** | **$4,295** | **$16,145** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$55** | | | |
| **Comparable Water Rate** | | **$50** | | | |
| Net Connections (New + Current) | | 920 | 920 | 920 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $0 | $1,088,400 | $5,284,000 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $0 | $1,088,400 | $5,284,000 | |
| **Payment Per User With Cost-Share** | | **$0.00** | **$5.98** | **$29.06** | |
| | Local Share | $0 | $2,721,000 | $13,210,000 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $0 | $2,721,000 | $13,210,000 | |
| **Payment Per User Without Cost-Share** | | **$0.00** | **$14.96** | **$72.64** | |

**Explanation of Results:**

The sponsor preferred project is the “Replace Open-Cut” option. The present value cost of the preferred alternative is $3,371,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $1,244,000. The present value cost per user for the preferred alternative is $4,295. The monthly user cost of the local share with DWR 60% cost-share participation is $5.98 per month and $14.96 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease | |
|---|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2023 | | | |
| Population & Trends | 2,202 | 2,173 | -0.1% | -2 | |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/23/25

CITY OF LISBON
NORTH DAKOTA

December 22, 2025

Lori Noack
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: Lisbon Infrastructure Improvements Construction Funding Request

The City of Lisbon has initiated a project to replace 16 blocks of dilapidated Cast Iron Pipe (CIP) and Asbestos Cement Pipe (ACP) water mains. These water mains were originally installed in the early 1960's and have exceeded their useful life. The associate water service lines are of unknown material and planned for replacement to comply with the U.S. EPA's Lead and Copper Rule Revisions.

These municipal water system improvements are part of a broader effort that also includes the rehabilitation and replacement of sanitary sewer and storm sewer systems and street replacements. The water portion amounts to 19.4% of the overall project.

The City has contracted with Moore Engineering Inc. (Moore) to perform design engineering, bidding assistance, and construction management. In December 2024, the City received $100,000 in DWR cost share funding for preconstruction expenses (DWR Project No. 2050LIS). The City is now respectfully requesting 60% cost share for eligible construction activities in the amount of $1,532,343.

We appreciate your willingness to support the City's efforts to provide safe, reliable, and cost-effective drinking water to its residents and visitors. If you have any questions, please feel free to contact me or the City's project engineer, Justin Hall, at justin.hall@mooreengineeringinc.com or (701) 499-5896.

Sincerely,

Kristina L. Dick

Kristina Dick
City Auditor

423 Main Street ~ PO Box 1079 ~ Lisbon, ND 58054
Phone (701) 683-4140 Fax (701) 683-9710
TDD: 1-800-366-6888

Microsoft

January 5, 2026

The meeting was called to order by Council president Rob Waletzko. Council Members present were Jordan Matzke, Julie Cole, Sandy Hoff and LyDell Mairs. Guests present were Eric King, Jon Oien, Janna Miller, Jeff Leadbetter, Tracy Eslinger – Moore Engineering, Jerry Gemar, Dylan Thomes, Jim Thomes, Nicole Thomes, Lisa Evenson. The following guests joined via Zoom; Lynn Kaspari – Ransom County Gazette and Kevin Bergemann.

MOTION – Mairs SECOND – Matzke
To approve the minutes of the December 1, 2025 meeting. All Aye

MOTION – Mairs SECOND – Matzke
To approve 25% credit to the water portion billing at 101 5 Ave E in the amount of $323.36. All Aye

MOTION – Matzke SECOND – Cole
To approve the police report. All Aye

MOTION – Cole SECOND – Hoff
To approve the public works report. All Aye

MOTION – Hoff SECOND – Cole
To approve the auditor/economic development report. All Aye

MOTION – Mairs SECOND – Waletzko
To enter bids in minutes, refer to Engineer's Statement of Estimated Cose, and file with city auditor. All Aye

MOTION – Mairs SECOND - Matzke
To accept bid and award contract of $9,178,440.50 by Sellin Brothers, Inc. contingent upon approval from the North Dakota Department of Environmental Quality. All Aye

MOTION – Waletzko SECOND – Hoff
Submit construction cost-share application to Department of Water Resources for the Lisbon Utility Improvement District No. 2023-1 Project. All Aye

Meeting Adjourned at 7:53pm

ATTEST:

_____
TIM MEYER, MAYOR

_____
KRISTINA L DICK - AUDITOR

Water Development Plan: Yes (2025)
Plan Priority: Low

J 6

# 1086862 - New Town Sand Hill Water Tower Replacement Project - Construction Request

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 29, 2025 1:44 PM

**Initially Submitted By:** Abby Ritz

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Abby First Name
Middle Name Ritz Last Name

**Title:**

**Email*:** abby.ritz@ae2s.com

**Address*:** 1815 Schafer Street, Suite 301

### Organization Information

**Status*:** Approved

**Name*:** City of New Town

**Organization Type*:** Municipal Government

**Tax Id:**

**Organization Website:**

**Address*:** PO Box 309
103 Soo Place

AE2S

Bismarck North Dakota
City State/Province

58501
Postal Code/Zip

**Phone*:** 701-221-0530 Ext.
Phone
*###-###-####*

**Fax:** *###-###-####*

**Comments:**

New Town North Dakota
City State/Province

58763-0309
Postal Code/Zip

**Phone*:** 701-627-4812 Ext.
*###-###-####*

**Fax:** *###-###-####*

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

# Infrastructure Funding Request

### *Infrastructure Funding Request*

**Project Name*:** New Town Sand Hill Water Tower Replacement Project

**Sponsor(s)*:** City of New Town

**County*:** Mountrail

**City*:** New Town

**Description of Request*:** New

**Project Type:** Municipal Water Supply

**If Project is a Study, What Type?:**

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:**

**Jurisdictions/Stakeholders Involved*:**

City of New Town

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The area of town served by the existing ground storage reservoir in New Town has low water pressure. This issue causes poor level of service in the community and potential for contamination issues. In addition, the reservoir is near the end of its useful life and has begun developing exterior leaks.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This project will replace the existing GSR with a new elevated storage tank at the same site. An elevated storage tank will boost system pressures throughout the south pressure zone without the need to modify pressure zone boundaries.

**Describe the Objectives or Goals Specific to This Application*:**

Secure DWR construction cost-share the new water tower.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

Work funded through this request will include construction and construction engineering.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 2764 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 1843 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |

| | |
|---|---|
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | 01/15/2025 |
| **Design Completion*:** | 12/28/2025 |
| **Bid*:** | 02/05/2026 |
| **Construction Start*:** | 05/2026 |
| **Construction Completion*:** | 09/2027 |

**Explain Additional Timeline Issues*:**

No issues anticipated.

| | |
|---|---|
| **Consulting Engineer*:** | Jason Strand |

| | |
|---|---|
| **Engineer Direct Phone Number*:** | 701-852-4048 |
| **Engineer Email*:** | Jason.Strand@AE2S.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Jay (First Name) Standish (Last Name) 12/16/2025 (Date) |
| **Title/Position/Authority*:** | Mayor |
| **Address*:** | PO Box 309<br>Address Line 1<br>Address Line 2<br>New Town (City) North Dakota (State) 58763-0309 (Zip Code) |
| **Direct Phone Number*:** | 701-627-4812 |
| **Sponsor Email*:** | in2danger24_7@hotmail.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

| | |
|---|---|
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Jay Standish<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Mayor |
| **Authorized Signor Email:** | in2danger24_7@hotmail.com |
| **Authorized Signor Direct Phone Number:** | 701-627-4812 |
| **Provide the Name for One Additional Board Member, if Applicable:** | First Name Last Name |
| **Additional Board Member Title/Position:** | |
| **Additional Board Member Email:** | |
| **Additional Board Member Direct Phone Number:** | |

# Documentation

### *Documentation*

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | New Town Location Map.pdf |

| | |
|---|---|
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | Yes |
| **Engineer's Estimate of Probable Cost** Separate Project Components by Type (Storm Sewer, Sanitary Sewer and Associated Roads, Drinking Water and Associated Roads, and Roads) **:** | Attach1-BudgetSheet.pdf |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | New Town 11.19.2025 Meeting Minutes.pdf |
| **Cover Letter:** | New Town Sand Hill Cover Letter Signed.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | New Town Sand Hill Delineation of Cost v2.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | New Town Sand Hill PS.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

| | |
|---|---|
| **Life Cycle Cost Analysis:** | New Town Sand Hill LCCA.xlsx |

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

| | |
|---|---|
| **Asset Inventory Assessment:** | New Town BAIA Dec 2025.xlsx |

| | |
|---|---|
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | No |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $153,000.00 | $0.00 | $0.00 | $153,000.00 | | 0.00 | 0.00 |
| Drinking Water State Revolving Fund | | | $102,000.00 | $1,901,945.00 | $0.00 | $2,003,945.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $0.00 | $2,852,918.00 | $0.00 | $2,852,918.00 | | 0.00 | 0.00 |
| | | | **$255,000.00** | **$4,754,863.00** | **$0.00** | **$5,009,863.00** | | | |

# PROPOSED WATER STORAGE TANK
# NEW TOWN, NORTH DAKOTA

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | New Town Sand Hill Water Tower Replacement Project |
| **Sponsor :** | City of New Town |
| **Contact :** | Eileen Zaun, City Auditor |
| **Phone :** | 701-627-4812 |
| **Engineer :** | Jason Strand, AE2S |
| **Phone :** | 701-721-1030 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 5,009,862.60 | **Total Cost-Share* :** | $ 3,005,917.56 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 5,009,862.60 | **Preconstruction :** | $ 153,000.00 |
| **Local Cost :** | $ 2,003,945.04 | **Construction :** | $ 2,852,917.56 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 4.5% | Final Design | 1 | LS | 225,000.00 | $ 225,000.00 | 60% | $ 135,000.00 |
| 7 | 0.6% | Bidding/Negotiations | 1 | LS | 30,000.00 | $ 30,000 | 60% | $ 18,000.00 |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 5.1% | **Preconstruction Total** | | | | $ 255,000.00 | 60% | $ 153,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 6.3% | Construction Contract Management | 1 | LS | 315,000.00 | $ 315,000.00 | 60% | $ 189,000.00 |
| 12 | 5.8% | Project Inspection | 1 | LS | 288,500.00 | $ 288,500.00 | 60% | $ 173,100.00 |
| 13 | 0.4% | Post-Construction / Warranty | 1 | LS | 20,000.00 | $ 20,000.00 | 60% | $ 12,000.00 |
| 14 | 0.7% | I&C System Services | 1 | LS | 35,000.00 | $ 35,000.00 | 60% | $ 21,000.00 |
| | 13.1% | **Construction Engineering Total** | | | | $ 658,500 | 60% | $ 395,100.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.2% | Mobilization | 1 | LS | 111,000.00 | $ 111,000.00 | 60% | $ 66,600.00 |
| 16 | 1.7% | Bonding | 1 | | 83,200.00 | $ 83,200.00 | 60% | $ 49,920.00 |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 0.6% | Erosion Control | 1 | LS | 27,700.00 | $ 27,700.00 | 60% | $ 16,620.00 |
| 19 | 1.6% | Demolition | 1 | LS | 77,700.00 | $ 77,700.00 | 60% | $ 46,620.00 |
| 20 | 45.5% | Reservoir and Storage - Concrete | 1 | LS | 2,280,142.00 | $ 2,280,142.00 | 60% | $ 1,368,085.20 |
| 21 | 6.6% | Concrete | 1 | LS | 332,900.00 | $ 332,900.00 | 60% | $ 199,740.00 |
| 22 | 5.5% | Electrical | 1 | LS | 277,400.00 | $ 277,400.00 | 60% | $ 166,440.00 |
| 23 | 2.2% | Site Work | 1 | LS | 111,000.00 | $ 111,000.00 | 60% | $ 66,600.00 |
| 24 | 0.3% | Water Main 12 in | 150 | LF | 100.00 | $ 15,000.00 | 60% | $ 9,000.00 |
| 25 | 0.3% | Connection to Existing Line | 1 | LS | 16,600.00 | $ 16,600.00 | 60% | $ 9,960.00 |
| 26 | 0.2% | Gate Valve | 1 | EA | 9,500.00 | $ 9,500.00 | 60% | $ 5,700.00 |
| 27 | 0.5% | Seeding | 2 | ACRE | 13,300.00 | $ 26,600.00 | 60% | $ 15,960.00 |
| 28 | 0.4% | Landscaping | 5556 | SY | 4.00 | $ 22,224.00 | 60% | $ 13,334.40 |
| 29 | 6.6% | Pump Equipment | 6 | EA | 55,500.00 | $ 333,000.00 | 60% | $ 199,800.00 |
| 30 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 3,723,966.00 | 60% | $ 2,234,379.60 |
| | 7.4% | **Allowable Contingency (10%)** | | | | $ 372,396.60 | 60% | $ 223,437.96 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 81.8% | **Construction Total** | | | | $ 4,096,362.60 | 60% | $ 2,457,817.56 |
| | | Eligible Preconstruction | | | | $ 255,000.00 | 60% | $ 153,000.00 |
| | | Eligible Construction | | | | $ 4,754,862.60 | 60% | $ 2,852,917.56 |
| | | **Eligible Total** | | | | $ 5,009,862.60 | 60% | $ 3,005,917.56 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 5,009,862.60 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 5,009,862.60 | 60% | $ 3,005,917.56 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of New Town
**Project Title:** Sand Hill Water Tower Replacement **Date:** January 5, 2026

**Explanation of Alternatives:**

Do Nothing - Make no improvements to the Sand Hill GSR, resulting in continued deterioration of the tank and increased water loss and corrosion.
Rehabilitate Existing GSR - Rehabilitate the existing GSR by relining the tank. It would have no impact on system pressures but would increase the remaining life of the tank and minimize construction costs.
Rehabilitate Existing GSR with Pressure Zone Piping Adjustments - Relining the existing tank and making system adjustments to move the low-pressure area of the south pressure zone into the north pressure zone. In addition to increasing the life of the existing tank, it will boost system pressures but create a number of dead-end mains.
Construct a New Elevated Storage Tank (Preferred) - Replace the existing GSR with a new elevated storage tank at the same site. An elevated storage tank would boost system pressures throughout the south pressure zone without the need to modify pressure zone boundaries.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 550 |
| Net Connections (New + Current) | 550 |

| | |
|---|---|
| Current CIF Balance | $582,198 |
| Annual CIF Contribution | $125,000 |
| Cash Funding Target (Percentage %) New Assets | 40% |
| Cash Funding Target (Percentage %) Existing Asets | 40% |
| Annual CIF Contribution suggested for the Project | $9,671 |

| | Do Nothing | Rehabilitate Existing GSR | Rehabilitate Existing GSR with Pressure Zone Piping Adjustments | Construct a New Elevated Storage Tank (Preferred) |
|---|---|---|---|---|
| Construction Cost | $0 | $258,300 | $2,445,900 | $5,009,800 |
| Annual O & M | $0 | $0 | $0 | $0 |

**Details:**

The engineer entered the same values for Rehabilitate Existing GSR and Do Nothing in the detailed costs. This is an obvious error. Staff deleted the input construction costs and set them to zero. The project engineer did not have any O&M entered for this or any alternative.
Though the project sponsors provide multiple solutions to the underlying problem statement the highest cost alternative is the sponsors preferred project.

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Do Nothing | Rehabilitate Existing GSR | Rehabilitate Existing GSR with Pressure Zone Piping Adjustments | Construct a New Elevated Storage Tank (Preferred) |
|---|---|---|---|---|
| Capital Costs | $0 | $258,000 | $2,446,000 | $5,010,000 |
| O&M | $0 | $0 | $0 | $0 |
| Repair, Rehab, Replacement | $0 | $2,000 | $288,000 | $1,593,000 |
| Salvage Value | $0 | $0 | $2,000 | $1,000 |
| **Total PVC** | **$0** | **$260,000** | $2,732,000 | $6,602,000 |
| | | | | |
| **PV Cost Per User** | **$0** | **$473** | **$4,967** | **$12,004** |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$91** | | | |
| **Comparable Water Rate** | | **$48** | | | |
| Net Connections (New + Current) | | 550 | 550 | 550 | 550 |
| Cost-Share Percent | | 60% | 60% | 60% | 60% |
| | Local Share | $0 | $103,200 | $978,400 | $2,004,000 |
| | Other Funding | $0 | $0 | $0 | $0 |
| | Total Local | $0 | $103,200 | $978,400 | $2,004,000 |
| **Payment Per User With Cost-Share** | | **$0.00** | **$0.95** | **$9.00** | **$18.43** |
| | Local Share | $0 | $258,000 | $2,446,000 | $5,010,000 |
| | Other Funding | $0 | $0 | $0 | $0 |
| | Total Local | $0 | $258,000 | $2,446,000 | $5,010,000 |
| **Payment Per User Without Cost-Share** | | **$0.00** | **$2.37** | **$22.50** | **$46.08** |

**Explanation of Results:**

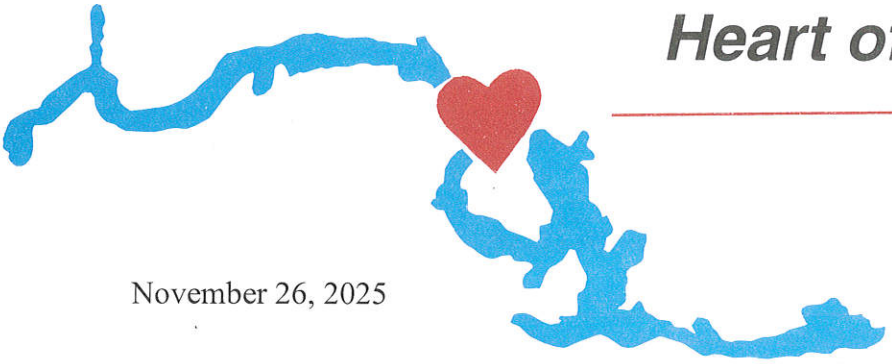
The sponsor preferred project is the "Construct a New Elevated Storage Tank" option. The present value cost of the preferred alternative is $6,602,000 and the presented alternative for comparison is "Rehabilitate Existing GSR" at a present value cost of $260,000. The present value cost per user for the preferred alternative is $12,004. The monthly user cost of the local share with DWR 60% cost-share participation is $18.43 per month and $46.08 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2020 | | |
| Population & Trends | 1,925 | **2,764** | 4.4% | 84 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/29/25



**Heart of Lake Sakakawea**

City of New Town
P.O. Box 309
New Town, North Dakota 58763
Phone: (701) 627-4812

November 26, 2025

Reice Haase, Director
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58504

**RE: New Town Sand Hill Water Tower Replacement Project**

Dear Mr. Haase,

The City of New Town is pleased to submit the Sand Hill Water Tower Replacement Project construction cost-share request for consideration at the upcoming February 12, 2026 State Water Commission meeting.

This project will replace the City's existing ground storage reservoir (GSR) with an elevated storage tank of similar capacity. This upgrade is crucial as it will address reliability concerns associated with the aging reservoir, which is developing exterior leaks. By replacing the GSR with elevated storage, we will improve system pressures in the south pressure zone and significantly enhance service reliability.

We appreciate your considering New Town's cost-share request and look forward to working with the Department of Water Resources on potential funding for this important project. If you have any questions, please do not hesitate to contact me at 701-627-4812 or Jason Strand, with AE2S at 701-721-1030.

Sincerely,

**Jay Standish, Mayor**
City of New Town

*"This institution is an equal opportunity provider and employer."*

See Page 4 for Approval

DWR Date Received : 12/29/25

Regular City Council Meeting
Council Room
Wednesday November 19, 2025
5:00 PM

Members Present: Mayor Jay Standish, Council Members: Frank Sillitti, Jesse Baker (Doug Bravold -per phone), Absent Nathaniel Mayer.
Others Present: Attorney William Woods, Eileen Zaun, Laurie Giffey, Essy Mata, Kia Herbel, Patrick Samson, Jason Strand, Troy White Owl, Julie Herbel, Scott Ruland, John Degroot, Carolyn Hayden, Ryan Anderson, Cale LaVoie, Larry Morrow, Demetruis Jamerson.
Motion by Sillitti second Baker to approve the agenda.
All Voting Aye: Absent Mayer.

**1.Minutes:**

Motion by Sillitti second Baker to approve the minutes from October 15, 2025.
All Voting Aye: Absent Mayer

**2. Financials:**

Motion by Baker second Sillitti to approve the financials and bill set as presented.
Voting Aye: Baker Sillitti, Bratvold
Voting Nay or Absent: Mayer

**First of the month** CK#045968 Braun Intertec $18,081.25, CK#045969 Catalis PWE $2650.00, CK#045970 Code 4 services $5,397.80, CK#045971 Historical Society of ND $150.00, CK#045972 Kemper Construction Co $106,696.00, CK#045973 Kiesler Police Supply $757.56, CK#045974 MWEC $8,841.48, CK#045975 Odin $42.36, CK#045976 RTC $1,696.00, CK#045977 Swank $450.00, CK#045978 Westlie Truck Center $1,259.40. CK#045979 Woods William $3,500.00

**Total Checks $149,521.85. Council Bills:** CK#045980 Ackerman-Estvold Engineering $15,677.93 CK#045981 AES $153,319.87, CK#045982 Aire- Master of North Dakota $120.00, CK#045983 American Welding & Gas $7,343.20, CK#045984 Armor Interactive $3,203.83, CK#045985 Axon Enterprise Inc $6,015.95, CK#045986 Bratvold Geri $92.93, CK#045987 CEI Electrical Contractors $1,418.74,CK#045988 Cenex Fleet Card $173.21, CK#045989 Core & Main $6,781.18, CK#045990 Elan Financial Services $2,410.44, CK#045991 Elan Financial Services $412.44, CK#045992 Elan Financial Services $1,086.39, CK#045993 Energy Laboratories $1,534.00, CK#045994 Filesteel Lebeau Katherine $250.00, CK#045995 First District Health Unit $90.00, CK#045996 Flowpoint Environmental $325.70, CK#045997 Furuseth Law Firm P.C. $1,000.00, CK#045998 Gaffaney of Minot $2,526.39, CK#045999 Graymount $18,461.80, CK#046000 Grinnell Adrian $164.79, *CK#046500 Gustafson Septic Service $1,200.00,CK#046499 HA Thompson $7,500.00, CK#046498 Hach Company $43.50, CK#046497 Hawkins $207.45, CK#046496 Herbel Julie $1,046.60, CK#046495 Information Technology Dep $350.95, CK#046494 Language Link $73.07, CK#046493 Lexipol $11,771.20, CK#046492 Midstates Wireless $549.00, CK#046491 Motorola $7,185.00, CK#046490 Mountrail County Corrections $785.00, CK#046489 Mountrail County Promoter $1,390.50, CK#046488 MVTL $1,297.00, CK#046487 Napa $329.59, CK#046486 NDDOT $53,705.75, CK#046485 Nehring Law Office $450.00, CK#046484 New Town Jack & Jill $25.64, CK#046483 One Call Concepts $108.00, CK#046482 Prairie View Landscaping & Nursery $1,500.00, CK#046484 Premier Partners $4,200.00, CK#046480 RDO Equipment $266.00, CK#046479 Rolac Contracting Inc $644,089.27, CK#046478 Satermo Hardware $296.12, CK#046477 Slawson Exploration $11.36, CK#046476 The Ground up LLC $905.00, CK#046475 uniform Center $3,831.00, CK#046474 United Quality Cooperative $1,347.32,CK#046473 United Quality Cooperative $3,554.20, CK#046472 United Quality Cooperative $2,370.32, CK#046471 United Quality Cooperative $1.00, CK#046470 United Quality Cooperative $310.75, CK#046469 Upper Missouri District $200.00, CK#046468 Valiant Construction $575,917.00,

CK#046467 Vessco Inc $2,386.91, CK#046466 Visa $139.08, CK#046465 Visa $48.34, CK#046464 Water Smith $7,191.28, CK#046463 Westgard Tech Solutions $200.00. **Total Checks $1,562,323.53 Payroll:** PP-23 CK#92970 to CK#93013 $56,153.58, PP-24 CK#93014 to CK#93046 $59,167.68

**5:10 PM- Nathaniel Mayer Arrived**

**3. Scott Ruland-Stockyard:**

Scott came to this council meeting as a member of the Scale Association of New Town to discuss why the cattle truck can't go through New Town, they are doing business here. It's local Ranchers hauling cattle to the Salce Association Yard, this don't happen that often. Going on the by-pass is hard to make the turn by the stop light with a trailer full of cattle. This Scale is used by many local ranchers.

Motion by Baker second Sillitti to approve letting the Sale Association members go through town.

Voting Aye: Baker, Sillitti, Bratvold

Voting Nay: Mayer

**4. Library JDA Grant- Julie Herbel:**

Juie showed the council the work that was done with the JDA Grant the Library got. The repaired consisted of new front windows, bathroom remodel, new roof, new ADA door up front, new back door, new shelves for the books in the children room, money to get new programming. I want to thank the JDA for allowing the library to get this money and have this work done, without JDA we would of never go this all done. Just letting the city council know that we are partnering up with AmeriCorps to be a host site for members to work here at the library, they need to finish 300 hours to get a scholarship, this costs nothing for the city nor the library.

**5. Ackerman-Estvold- Patrick Samson:**

**2025 West Central Avenue Improvements:**

• All work on Central Avenue has been substantially completed: Sprinkler will need to be tested in the spring, On the Meter Vault Patch, the concrete valley gutter was patched with asphalt as there were no concrete contractors willing to complete the work this fall. It will need to be cut out and patched in 2027.

**Meter Vault**

• All work has been completed with the meter installed by Kemper and the road patched by Bechtold, Original contract price was $111,696.00. Change Order 01 is requested to cover the cost of the installation of 2 – 45-degree bends and a temporary pipe connection. The bends were required because the watermain crossing College was deeper than shown on the has-built drawings. The pre-cast structures were on site and couldn't be adjusted to a lower depth, so the bends were installed to raise the pipe. The temporary pipe spool was installed in the meter vault so that the system could operate while the meter was on order. The cost also includes an additional mobilization to install the meter.

We are requesting the approval of Change Order 01 in the amount of $10,000.00.

Motion by Sillitti second Baker to approve change order#-01 as presented.

Voting Aye: Sillitti, Baker- Tie- breaker Standish

Voting Nay: Mayer, Bratvold

Requesting approval of Pay Application 02 to Kemper in the amount of $5,000.00.

Motion by Baker second Sillitti to approve change order #- 02 for the extra work done.

Voting Aye: Baker, Sillitti- Tie- Breaker Standish

Voting Nay: Mayer, Bratvold

**City Hall- Ryan Anderson:**

Majority of interior slab-on-grade is poured, Exterior concrete door stops are poured.

Roofing is being installed., Clerestory structure is being finished, framers will start snapping lines for interior wall locations, windows expected to install mid-December, Transformer will be set before Thanksgiving.

**Venue- Ryan Aderson:**

Tongue & groove siding, interior/exterior is being installed, Power from the transformer is in. Stairs are being installed, ductwork is almost complete, doors/frames are beginning installation, finish carpentry is in progress throughout. Contract Substantial Completion Date of December 1, 2025; contractor's revised schedule indicates a completion date of December 23, 2025.

CO #6 Soil Corrections - NET ADD of $46,629.07 (soil corrections allowance draw) need council approval.

Motion by Sillitti second Mayer to approve Change order -06 the soil allowance correction will cost the city nothing, this will be out of the allowance.

Voting Aye: Baker, Sillitti, tie-breaker Standish

Voting Nay: Mayer, Bratvold.

CO7# Faucet/Urinal Power: NET ADD of $2,904.17 (contingency allowance draw) the engineers did not put this in the contract, needed this for the automatic faucets and toilets.

Motion by Baker second Sillitti to approve Change order #07 faucet/urinal power, $2,904.17.

Voting Aye: Baker, Sillitti, tie-breaker Standish

Voting Nay: Bratvold, Mayer

**Valint- Cale LaVoie:**

This project has experienced delays due to multiple unforeseen circumstances. The initial delay stemmed from a dissonancy between the original plan set and the legacy post-and -bean stamped engineering, specifically related to the elevation of the foundation wall. This prevented us from beginning footing forming operations as originally scheduled. Following this, the site experienced seven consecutive days of heavy rainfall, resulting in flooding of the excavation areas and subsequent groundwater-related delays. In addition, the building delivery was delayed from the original date of June 2nd to June 27th. Further delays were causes by the needs for soil corrections, as outlined in Braun Intertec's geotechnical report, which required additional time and coordination address property. As a result, the project had incurred 37 days of delay- despite these challenges, Valient continues to make every effort to maintain the original substantial completion date of December 1st. The council had a heated conversation saying there were many days that could have worked but no one was, should not put the blame on Legacy, the building was ready to be shipped in time. Will put this on hold for now, as this is getting anywhere.

**6. Eagle-Curbstop:**

At the resident of Terry Eagle, 216 6th Ave. E., he built a rock wall right over the curbstop and bent it. The city can't get on the curbstop at all, so if there is a water break there is no way to get it shut off. They also built on the city's right-of-way. We need to get ahold of Terry and get this taken care of.

**7. Client Agreement Karla Harmel Assessing:**

Motion by Bratvold second Baker to approve the Assessing contract agreement with Karla Harnel for $120,000.00 for two years.

Voting Aye: Bratvold, Baker, Mayer, Sillitti

Voting Nay: None

*Bratvold Arrived:

**8. Water Plant Updates: -Kia Herbel:**

Well #2 is up and running, CEI hooked up the electrical, lime silo is all cleaned up, go rid of the bad lime, waiting for a credit on our account for the bad lime and equipment that was ruined. Lead and Copper letter will be sent out by the 15 of November. Dakota Drive lift station had not been working for years, as no one is hooked to it, but now we have a resident that moved in, so need it up and running. We got a new pump and ECI hooked it up, the old pump was some 20 years old. Did a discharge on pond 2, Sam and Chandar are doing a great job helping the water plant out.

**9. AE2S -Jason Strand:**

New Town Sand Hill Water Tower / GSR

o Design work continues for this project, to be completed by the end of 2025.
o State Water Commission meeting is scheduled for Thursday, February 12, 2026.
o At the October council meeting, council gave AE2S the directive to move forward with the composite tower design, with the New Town Eagle logo.

Motion by Mayer second Bratvold to approve moving forward with the application for the State Water Commission construction phase, new Sand Hill Water Tower.

All Voting Aye: Motion Carried.

**New Town 2023 Street & Utility Improvements**

o I am currently working on SRF closeout paperwork to wrap up this project. I plan to have this paperwork submitted to SRF by the end of 2025.

**New Town 2025 Street & Utility Improvements (Phase 2)**

o Bechtold Paving finished paving the project on November 6.
o Innovative Concrete has poured the remaining concrete on the project. Only one spot of curb and gutter needs to be repoured, on the southwest corner of 5th St and 2nd Ave E, which was removed as part of warranty work.
o Premier Landscaping wrapping up topsoil replacement and hydroseeding work.
o AE2S and the City of New Town staff have performed a couple walkthroughs of the project, and have prepared punch lists which have been sent to Meyer

Many curb stops throughout the project have issues that will need to be addressed. Most of them relate to the extension rod being up against the curb stop pipe, and them being difficult to turn. A couple other curbstop have been found to have been hit and bent during construction, and in need of replacement. A few other curb stops need to be either raised or lowered to grade. Topsoil and hydroseeding work needs to be done by the meter pits, by Glenda Good Bird's sidewalk, and at the alley driveway on Eagle Drive. Concrete cracks need to be routed and sealed. The interior of the doghouse meter pit needs to be cleaned out. Fire hydrants on Eagles Loop and 5th St N don't have tracer wire boxes installed yet. The 12" gate valve riser on 5th St N needs to be lowered to grade. Tonight, I am presenting Pay Application #6 for Meyer Contracting, for a total of$1,051,368.79.

Motion by Mayer second Bratvold to approve pay app. #6, Meyer Contracting in the amount $1,051,368.79, phase -2 street and Utility project.

Voting Aye: Mayer, Bratvold, Baker, Sillitti.

Voting Nay: None

**New Town 2027 Street & Utility Improvements (Phase 3)**

At last month's council meeting, council approved Task Order #19 for the Phase 3 street and utility improvements project AE2S has performed the topographical survey of the Phase 3 streets and utilities, and can begin the design work in 2026. Material Testing Services has also conducted their soil boring work in the field, and are in the process of preparing a geotechnical report for the project. This project is scheduled for construction in 2027.

**10. Police Report- Troy White Owl:**

Grants: - NDDOT contract for seat belt enforcement and DUI started this month and will continue through December. Personal: - Officer DeCoteau still attending academy and with graduation mid-December. Patrol Vehicles: - got paperwork completed in preparation for the 2 approved patrol units for 2026 budget. Miscellaneous Holidays: - Since Christmas and New Years falls on a Thursday, can we get the Friday off after them, so the employee can get extra time off.

Motion by Sillitti second Baker to approve getting the Friday off after Christmas and New Years, but at regular pay, not holiday pay.

All Voting Aye: Motion Carried.
We had 531 Call of service

**11. Building Permits:**

Motion by Sillitti second Baker to approve the following building permits:
Terance Eagle 216 6th Ave., Designer Concrete/ Dianna White Bear: 415 9th St., new fence,
Talib Chohan: 303 Dakota Drive, New House/ Liz Young Wolf: 405 4th St., N. Remodel/ Bethel Lutheran Church: 228 Eagle Drive, pave parking lot /Bethel Lutheran Church: 228 Eagle Drive, remodel bathroom/ Rose Marie Hawk: 440 3rd St., N. Demo Home/ Carmen & Steve McGrady: 310 5th St., new steps.

**12. Christmas Party, Eileen Zaun:**

Just wondering if the city gets a Christmas party, I have checked with the Golf Course for the 20th of December, and they are open.
Motion by Bratvold second Baker to approve having a Christmas party the Golf Course.
All Voting Aye: Motion Carried.

**13. Wage/New Town Bucks:**

Motion by Baker second Bratvold to give $500.00 in New Town Buck to the employees & City Council.
Voting Aye: Baker, Bratvold, Mayer, Sillitti.
Voting Nay: None
Motion by Baker second Sillitti to approve a 5% cost of living for the 2026 budget year.
Voting Aye: Baker, Sillitti, Bratvold
Voting Nay: Mayer
Motion by Mayer second Sillitti approve a yearly bonus: Under 1 year $500.00/ 1 to 2 Years $1.000.00/2 to 4 Years $2,000.00/ 5 or more years $3,000.00.
Voting Aye: Mayer, Sillitti, Baker, Bratvold.
Voting Nay: None

**14. Pool Fence Kids Damaged:**

There were 6 kids that were knocking down the fence at the pool, we have them on camera. The city wants to press charge, let the court decide what happens. They need to be accountable for their actions; they thought it was funny to do this. Maybe do community service.

**15. School- Doug Btayvold:**

Bratvold from the school board wanted to thank the City of New Town for their help in the Red Ribbon Drug -walk-about.

**Public Comment**: No one had any comments.

Meeting Adjourned: 6:57PM

Mayor, Jay Standish

Eileen Zaun, Auditor

DWR Date Received : 12/29/25
Water Development Plan: Yes (2025)
Plan Priority: Low
J 7

# 1087073 - Oakes Water Treatment Plant Rehabilitation

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 29, 2025 4:32 PM

**Initially Submitted By:** Zasha Johnson

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Josh First Name
Middle Name Wayt Last Name

**Title:** Funding Specialist

**Email*:**
josh.wayt@mooreengineeringinc.com

**Address*:** 925 10th Ave E

### Organization Information

**Status*:** Approved

**Name*:** City of Oakes

**Organization Type*:** Municipal Government

**Tax Id:** 45-6002139

**Organization Website:** http://www.oakesnd.com

**Address*:** 124 S 5th St

Suite 1

West Fargo North Dakota
City State/Province

58078
Postal Code/Zip

**Phone*:** (701) 200-5455 Ext.
Phone
*###-###-####*

**Fax:** *###-###-####*

**Comments:**

Oakes North Dakota
City State/Province

58474-1610
Postal Code/Zip

**Phone*:** 701-742-2137 Ext.
*###-###-####*

**Fax:** 701-742-9336
*###-###-####*

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | Oakes Water Treatment Plant Rehabilitation |
| **Sponsor(s)*:** | City of Oakes |
| **County*:** | Dickey |
| **City*:** | Oakes |
| **Description of Request*:** | New |
| **Project Type:** | Municipal Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Oakes Aquifer |
| **Jurisdictions/Stakeholders Involved*:** | |

The City of Oakes and its 1,800 residents.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The City received a Planning Assistance Reimbursement (PAR) grant through the North Dakota State Revolving Fund in 2023 to study the needs of the water treatment plant (WTP) facility. The facility was constructed in 2008 and is now 17 years old. The study identified and recommended numerous upgrades to the controls, valving, piping, chemical systems, and structural components. Specifically, at the City's production wells, the study recommended replacement of pumps, motors, and drop pipes. With respect to the chemical room, the study also recommended the replacement of the chemical storage tank and chemical feed pumps.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

This project will rehabilitate the City's WTP facility by replacing process equipment, process controls, electrical controls, and electrical systems that are at or beyond their useful life. Specifically, the project will replace and upgrade the pumps, motors, and drop pipes to maintain the efficiency of the City's three production wells. Additionally, the project will formally abandon three old groundwater wells that are no longer used. Replacement of these identified items will ensure the reliability and quality of water that the City of Oakes provides to its residents. Health, safety, and operation will be increased by upgrading equipment in the Chemical Room. Specifically, the project will replace and upgrade chemical feed pumps and chemical storage tanks. The project will also remove unused chemicals and perform safety improvements, as required.

**Describe the Objectives or Goals Specific to This Application*:**

The present application is seeking 60% cost share from the Department of Water Resources for construction of the improvements described above.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The City is requesting 60% cost share for construction and construction engineering associated with the rehabilitation of the WTP as described above. Because the scope of the project will replace WTP components that have already met or exceeded their intended useful life, this project is categorized as a "rehabilitation" as opposed to a "maintenance" project by the American Water Works Association (AWWA).

**For this project,**

**Choose City, County, Water District or Other*:** City

| | |
|---|---|
| **What is the Current Estimated Population?*:** | 1800 |
| **For this project,** | |
| **What is the Benefited Population?*:** | 1800 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 12/01/2023

**Design Completion*:** 12/15/2025

**Bid*:** 01/15/2025 2026

**Construction Start*:** 03/01/2025 2026

**Construction Completion*:** 07/15/2025 2026

**Explain Additional Timeline Issues*:**

No additional timeline issues are anticipated.

**Consulting Engineer*:** Brandon Reber

**Engineer Direct Phone Number*:** 701-499-5807

**Engineer Email*:** brandon.reber@mooreengineeringinc.com

### *Certification (Must Be Completed by Project Sponsor)*

**It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** Yes

**Authorized Individual*:** Zasha (First Name) Johnson (Last Name) 12/29/2025 (Date)

| | |
|---|---|
| **Title/Position/Authority*:** | Auditor |
| **Address*:** | 124 S 5th Street<br>Address Line 1<br>Address Line 2<br>Oakes North Dakota 58474-9998<br>City State Zip Code |
| **Direct Phone Number*:** | 701-742-2137 |
| **Sponsor Email*:** | auditor@oakesnd.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Zasha Johnson<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Auditor |
| **Authorized Signor Email:** | auditor@oakesnd.com |
| **Authorized Signor Direct Phone Number:** | 701-742-2137 |
| **Provide the Name for One Additional Board Member, if Applicable:** | First Name Last Name |
| **Additional Board Member Title/Position:** | |
| **Additional Board Member Email:** | |
| **Additional Board Member Direct Phone Number:** | |

# Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE **to see examples.**

| | |
|---|---|
| **Project Specific Map** Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community ***:** | 20210_WTP Expansion_Construction_Exhibit.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 20210_WTP Expansion_Construction_MeetingMinutes120925.pdf |
| **Cover Letter:** | 20210_WTP Expansion_Construction_Cover Letter_SIGNED.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 20210_WTP Expansion_Construction_Delineation.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 20210_OakesWaterTreatmentPlantmp_20251229_Signed.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

| | |
|---|---|
| **Life Cycle Cost Analysis:** | 20210_WTP Expansion_Construction_LCCA.xlsx |

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

| | |
|---|---|
| **Asset Inventory Assessment:** | 20210_WTP Expansion_Construction_BAIA.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | Yes |
| **Feasibility/Engineering Study Material:** | 20210_Oakes WTP Evaluation Report_20231204.pdf |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |

**Other Applicable Document:** 20210_ProjectManual_20251229_Signed.pdf

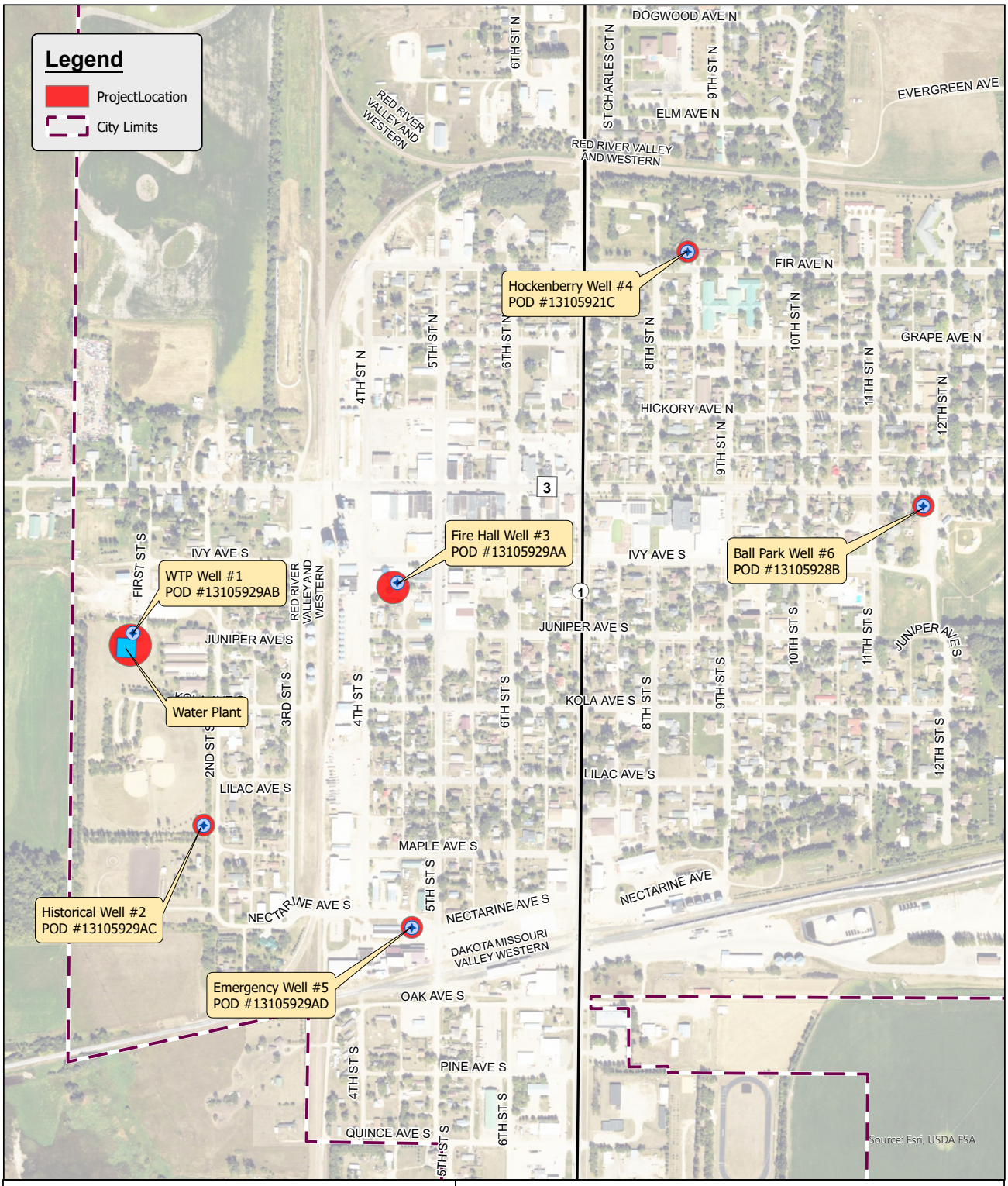
**Other Applicable Document:**

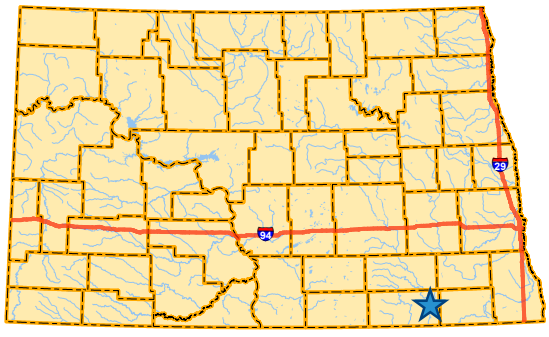
**Other Applicable Document:**

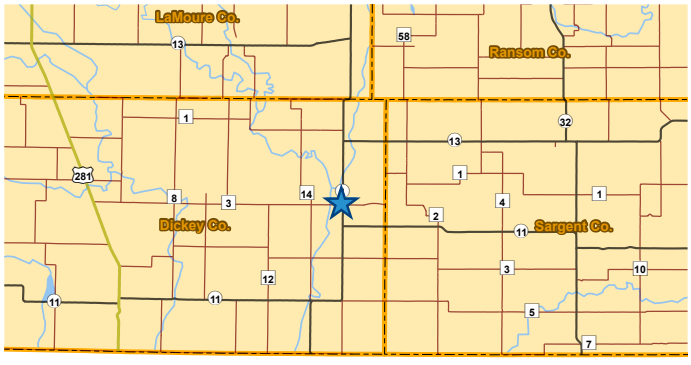
# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $60,000.00 | $0.00 | $0.00 | $60,000.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $484,710.00 | $0.00 | $0.00 | $484,710.00 | | 0.00 | 0.00 |
| Other | Local funding | Already Approved | $444,140.00 | $0.00 | $0.00 | $444,140.00 | | 0.00 | 0.00 |
| | | | **$988,850.00** | **$0.00** | **$0.00** | **$988,850.00** | | | |




**WATER SYSTEM IMPROVEMENTS 2025**
**OAKS, NORTH DAKOTA**

Created By: TJS Date Created: 02/04/2025 Date Saved: 02/06/25 Date Exported: 02/06/25
Plotted By: tanner.schmidt Parcel Date: State Parcels N/A Aerial Image: NAIP Elevation Data: N/A
Horizontal Datum: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet Vertical Datum: NAVD1988
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N W E S

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/29/25 |
| **Project :** | Water Treatment Plant Rehabilitation |
| **Sponsor :** | City of Oakes |
| **Contact :** | Zasha Johnson, City Auditor |
| **Phone :** | 701-742-2137 |
| **Engineer :** | Josh Roehrich, Moore Engineering Inc. |
| **Phone :** | 701-551-1049 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 988,850.00 | **Total Cost-Share* :** | $ 544,710.00 |
| **Ineligible Cost :** | $ 81,000.00 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 907,850.00 | **Preconstruction :** | $ 60,000.00 |
| **Local Cost :** | $ 444,140.00 | **Construction :** | $ 484,710.00 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 2.5% | Preliminary Design | 1 | LS | 25,000.00 | $ 25,000.00 | 60% | $ 15,000.00 |
| 7 | 5.6% | Final Design | 1 | LS | 55,000.00 | $ 55,000 | 60% | $ 33,000.00 |
| 8 | 2.0% | Bidding/Negotiations | 1 | LS | 20,000.00 | $ 20,000 | 60% | $ 12,000.00 |
| 9 | 0.0% | | | | | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 10.1% | **Preconstruction Total** | | | | $ 100,000.00 | 60% | $ 60,000.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 10.1% | Construction Contract Mmgt. | 1 | LS | 100,000.00 | $ 100,000.00 | 60% | $ 60,000.00 |
| 12 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 10.1% | **Construction Engineering Total** | | | | $ 100,000 | 60% | $ 60,000.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 6.1% | Mobilization | 1 | LS | 60,000.00 | $ 60,000.00 | 60% | $ 36,000.00 |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 4.0% | Replace Well Pumps | 1 | LS | 40,000.00 | $ 40,000.00 | 60% | $ 24,000.00 |
| 19 | 4.0% | Replace Well Pump VFD | 2 | EA | 20,000.00 | $ 40,000.00 | 60% | $ 24,000.00 |
| 20 | 10.9% | Chemical Feed Equipment | 1 | LS | 108,000.00 | $ 108,000.00 | 60% | $ 64,800.00 |
| 21 | 21.7% | Controls | 1 | ALLOW | 215,000.00 | $ 215,000.00 | 60% | $ 129,000.00 |
| 22 | 6.1% | Electrical | 1 | LS | 60,000.00 | $ 60,000.00 | 60% | $ 36,000.00 |
| 23 | 0.5% | Filter Equipment | 1 | LS | 5,000.00 | $ 5,000.00 | 60% | $ 3,000.00 |
| 24 | 0.0% | | | | | $ - | 60% | $ - |
| 25 | 2.4% | Well Demolition | 3 | EA | 8,000.00 | $ 24,000.00 | 60% | $ 14,400.00 |
| 26 | 0.0% | | | | | $ - | 60% | $ - |
| 27 | 2.7% | Process Pipes, Values, Fittings | 1 | LS | 26,500.00 | $ 26,500.00 | 60% | $ 15,900.00 |
| 28 | 0.0% | | | | - | $ - | 60% | $ - |
| 29 | 5.1% | Process Pumps | 2 | EA | 25,000.00 | $ 50,000.00 | 60% | $ 30,000.00 |
| 30 | 0.0% | | | | | $ - | 60% | $ - |
| 31 | 1.5% | Filter Equipment | 1 | LS | 15,000.00 | $ 15,000.00 | 60% | $ 9,000.00 |
| 32 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 643,500.00 | 60% | $ 386,100.00 |
| | 6.5% | **Allowable Contingency (10%)** | | | | $ 64,350.00 | 60% | $ 38,610.00 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 71.6% | **Construction Total** | | | | $ 707,850.00 | 60% | $ 424,710.00 |
| | | Eligible Preconstruction | | | | $ 100,000.00 | 60% | $ 60,000.00 |
| | | Eligible Construction | | | | $ 807,850.00 | 60% | $ 484,710.00 |
| | | **Eligible Total** | | | | $ 907,850.00 | 60% | $ 544,710.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 1.5% | Other Preconstr. Eng. (Not Water Related) | 1 | LS | 15,000.00 | $ 15,000 | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 1.5% | **Preconstruction Ineligible Total** | | | | $ 15,000 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 6.7% | Other Constr. (Not Water Related) | 1 | LS | 66,000.00 | $ 66,000.00 | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 6.7% | **Construction Ineligible Total** | | | | $ 66,000.00 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 81,000.00 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 988,850.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 907,850.00 | 60% | $ 544,710.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Oakes
**Project Title:** Water Treatment Plant Rehabilitation **Date:** January 8, 2026

**Explanation of Alternatives:**

Do Nothing - Correct deficiencies as they fail or exhibit signs of failure utilizing annual O&M budgets. O&M expenses above the budgeted amount would require action from the city to assessment customers receiving services.
Combined WTP and Storm Sewer Project: (All costs) - Water Treatment Plant Rehabilitation Project will replace process equipment, process controls, electrical controls and electrical systems at or beyond useful life. The project will also update controls at the City's lift station to ensure compatibility with new controls at the treatment plant.
Water Treatment Plant Rehabilitation (Preferred)(Water eligible costs only) - Water Treatment Plant Rehabilitation Project will replace process equipment, process controls, electrical controls and electrical systems at or beyond useful life. This option does not include updated controls at the ineligible lift station.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 804 |
| Net Connections (New + Current) | 804 |

| | |
|---|---|
| Current CIF Balance | $117,280 |
| Annual CIF Contribution | $20,000 |
| Cash Funding Target (Percentage %) New Assets | 0% |
| Cash Funding Target (Percentage %) Existing Asets | 20% |
| Annual CIF Contribution suggested for the Project | $11,159 |

| | Do Nothing | Combined WTP and Storm Sewer Project: (All costs) | Water Treatment Plant Rehabilitation (Preferred)(Water eligible costs only) | |
|---|---|---|---|---|
| Construction Cost | $1,100,000 | $988,850 | $922,850 | |
| Annual O & M | $100,000 | $50,000 | $50,000 | |

**Details:**

The two construction alternatives are the combined project for informational purposes and the cost-share eligible portion of the combine project as the subject of this application.

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Do Nothing | Combined WTP and Storm Sewer Project: (All costs) | Water Treatment Plant Rehabilitation (Preferred)(Water eligible costs only) | |
|---|---|---|---|---|
| Capital Costs | $863,000 | $989,000 | $923,000 | |
| O&M | $1,211,000 | $1,335,000 | $1,335,000 | |
| Repair, Rehab, Replacement | $35,000 | $355,000 | $355,000 | |
| Salvage Value | $0 | $0 | $41,000 | |
| **Total PVC** | **$2,109,000** | **$2,679,000** | $2,572,000 | |
| | | | | |
| **PV Cost Per User** | **$2,623** | **$3,332** | **$3,199** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$58** | | | |
| **Comparable Water Rate** | | **$49** | | | |
| Net Connections (New + Current) | | 804 | 804 | 804 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $345,200 | $395,600 | $369,200 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $345,200 | $395,600 | $369,200 | |
| **Payment Per User With Cost-Share** | | **$2.17** | **$2.49** | **$2.32** | |
| | Local Share | $863,000 | $989,000 | $923,000 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $863,000 | $989,000 | $923,000 | |
| **Payment Per User Without Cost-Share** | | **$5.43** | **$6.22** | **$5.81** | |

**Explanation of Results:**

The sponsor preferred project is the “Water Treatment Plant Rehabilitation” option. The present value cost of the preferred alternative is $2,572,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $2,109,000. The present value cost per user for the preferred alternative is $3,199. The monthly user cost of the local share with DWR 60% cost-share participation is $2.32 per month and $5.81 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease | |
|---|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2023 | | | |
| Population & Trends | 1,856 | 1,764 | -0.4% | -7 | |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/29/25


# City of Oakes North Dakota

City Hall, 124 South 5th Street, Oakes ND 58474
Phone: 701-742-2137 Fax: 701-742-9336 Email: auditor@oakesnd.com


December 16, 2025

Lori Noack
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: City of Oakes Water Treatment Plant Rehabilitation Construction Cost Share Request

Dear Lori:

The City of Oakes has initiated a project to rehabilitate the Water Treatment Plant (WTP) facility. This facility was initially constructed in 2008 and is now 17 years old. The City received a Planning Assistance Reimbursement (PAR) grant to study the needs of the facility in 2023. Following insights gained during that study, the proposed project will replace equipment, controls, and electrical systems that are at or beyond their useful life. The project will also expand and upgrade the chemical room at the facility.

The City has contracted with Moore Engineering Inc. to provide design engineering, bidding assistance, and construction management. In April 2025, the City received 60% DWR cost share assistance to complete final design through bidding (DWR Project No. 2050OAK). The City is now respectfully requesting 60% cost share for construction expenses, including construction engineering.

We appreciate your willingness to support the City's efforts to provide residents with safe, reliable, and cost-effective drinking water. If you have any questions, please feel free to contact me or the City's engineer, Brandon Reber, at brandon.reber@mooreengineeringinc.com or (701) 499-5807.

Thank you.

Sincerely,
CITY OF OAKES, NORTH DAKOTA

Zasha Johnson
City Auditor

DWR Date Received : 12/29/25

# City Council Meeting
## December 16, 2025

The City Council met at 6:00 PM at Oakes Community Center with the following members present: Mayor Sitzler, Council: Day, Hernandez-Waite, J. Hollingsworth, Harris and Kelly. Employees present: Chad Raatz, Derek Toepke, Fallon Kelly and Zasha Johnson.

Engineer Report: Josh Roehrich and Brandon Reber were present. Contractor's Application for Payment #9 for the street improvement project was presented, and the suggested adjustment was explained. Day moved, Hollingsworth second to approve payment #9, carried. Moore invoice 006234 for work on the street project was presented, Hollingsworth moved, Kelly second to approve invoice, carried. The timeline for the water treatment plant improvements was discussed. Hernandez-Waite moved, Hollingsworth second to approve the city auditor to develop and submit a DWR cost share application for construction for the water treatment plant improvements, carried. Hollingsworth introduced and moved to approve RESOLUTION DIRECTING ENGINEER TO ADVERTISE FOR BIDS IN WATER IMPROVEMENT DISTRICT 2025-1 – OAKES ATER TREATMENT PLANT IMPROVEMENT PROJECT, Kelly second, carried. The amendment letter for electric engineering was presented, Harris requested more detailed information about the amendment for the next meeting. Moore invoice 006166 for WTP expansion was presented, Harris moved, Day second to approve invoice, carried. Moore invoice 006165 for WTP technical assistance was presented, Day moved, Hernandez-Waite second to approve invoice, carried. Two geotechnical proposals for boring the sewer on Main Avenue were presented. Kelly moved, Harris second to approve the proposal from AET for $8,000, carried. Funding updates for the Lead Service Line project were discussed and door-to-door visits will likely be happening later this winter.

Minutes, Auditor and Court Report: Harris moved, Hollingsworth second to approve minutes, carried. Harris moved, Day second to approve police department reports, carried. Hollingsworth moved, Harris second to approve auditor reports, carried.

Special Event Permit: Harris moved, Hollingsworth second to approve special event permits as presented, carried.

1. Angry Beaver Lodge @ Growing Small Towns
2. Angry Beaver Lodge @ Main Avenue (2)
3. Angry Beaver Lodge @ Rodeo Grounds
4. Angry Beaver Lodge @ Community Center
5. Angry Beaver Lodge @ The Edge

Bills: Hollingsworth moved, Day second to approve bills as listed, roll call approved:

| | | | |
|---|---|---|---|
| Aflac | 284.52 | Agtegra Coop | 1059.75 |
| American Welding | 81.99 | Aqua Pure | 3923.12 |
| Avid Hawk | 200.00 | B&K Murphy | 489.96 |
| Brownies Tree Service | 999.00 | Butler Machine | 40.22 |
| Central Business Systems | 217.45 | Chads Electric | 98.00 |
| City of Fargo | 198.00 | Computer Express | 29.98 |
| Dakota Improvement | 1175.00 | Dakota Valley | 516.00 |
| DRN | 829.79 | Embroidery Creations | 91.76 |
| Economy Oil | 977.33 | Economy Propane | 662.85 |
| Fabian Pest Control | 105.00 | Geffdog Designs | 341.50 |
| General Irrigation | 320.00 | Information Technology | 207.80 |
| James River Repair | 537.87 | Jet-Way Multiple Services | 9468.75 |
| John Deere Financial | 25394.08 | Jones & Kelly Attys at Law | 300.00 |
| Midwest Pest Control | 63.00 | MFOA | 40.00 |
| Moore Engineering | 852.50 | Napa | 82.57 |

| | | | |
|---|---|---|---|
| ND Dept of Enviro Quality | 183.52 | ND Dept. of Health Chemistry | 183.52 |
| NDPERS-Insurance | 23184.66 | NDPERS-Retirement | 9577.65 |
| Nichole Nitschke | 13.58 | Oakes Area Chamber | 251.00 |
| OEI | 12863.41 | Oakes Times | 40.00 |
| One Call | 25.50 | Ottertail | 6648.16 |
| Pitney Bowes | 164.97 | Praska's Hardware | 94.90 |
| Pro Forms | 221.38 | Rods Cleaning | 80.00 |
| Sanitation Products | 250.45 | Starion Bank | 2,407.04 |
| Swedes Plumbing | 443.04 | Sweets & Stories | 25.49 |
| Verizon | 867.96 | Visa-library | 999.30 |
| Visa-city | 329.53 | Waste Management | 13112.99 |
| West Side Auto | 84.00 | Zacks Repair | 262.72 |
| Salaries | 63693.85 | Payroll Taxes | 14186.48 |

Committee Reports: Harris asked that the city crew work to clear the snow from the walking path when time is available. Kelly addressed the challenging snow conditions and rain we have experienced; crew is working on clearing it as best they can. Raatz discussed the lack of manpower with a three-man crew when other daily tasks need to be handled on snow days. Harris moved, Kelly second to advertise for another full-time public works laborer, carried. Also, information will be gathered regarding the water plant operator training program offered by BSC, Harris moved, Day second to get an operator enrolled in the program and pay any associated costs, carried. Discussed installing a security camera on the corner of Main Ave & 4th Street, there have been multiple property damage accidents on that corner this winter. Vehicles parked on city streets during snow removal are causing delays and make it impossible to completely clear the street. Many of these vehicles are repeat offenders and council would like to see citations issued to any vehicle left on the street after a snow event. Day would like the flag at the community center to be replaced as the current one is ripped. There are concerns about the snow load on the flat roof portion of the community center and possibility of leaking when it melts. Day may know someone interested in the job of removing the snow from the roof, but bids should be obtained from anyone interested. The Prairie Twisters equipment is still being stored in the storage area, with no set plans for the program to be reinstated. The park board may be willing to keep a few of the mats but not the other equipment. The equipment must be given to non-profit organization, will try to contact other gymnastic programs in the area. Hollingsworth asked if notice can be put out when the water gets turned off at Huebner trailer park since neighboring homes are also affected. The purchase of a soil conditioner attachment for the bobcat was debated. Other cities use it to break up the snow/ice in the gutters. Harris moved, Hernandez-Waite second to purchase a soil conditioner for $8,000, motion failed. There are concerns about damage to the asphalt with the conditioner, an ice scraper attachment was ordered and will be delivered this week. The soil conditioner can be reconsidered after trying the ice scraper. Hollingsworth also brought up the idea of the city leasing land to build a sledding hill, the area north of the hospital was suggested. This project will not happen this year but could be considered for next year to provide a designated place for sledding. Discussed operation of the landfill during the winter months. Kelly moved, Harris second to close the site for the winter, carried. An opening date will be determined in the spring.

Unfinished Business: Great Plains Oil/Little Store Building Permit: Mayor Sitzler outlined three possible ways to move forward with the permit, approval, denial or moratorium. City Attorney Kelly explained that if a moratorium was decided upon that it needs to be temporary and address specific industries or area of town. Harris moved to deny the building permit, the motion failed for lack of a second. Attorney for Great Plains Oil was acknowledged, and he discussed case law that would support the approval of the building permit and his clients desire to be a good community partner. City Attorney Kelly provided his opinion on the case law as well. Day moved, Kelly second to approve resolution that if an application for a building permit is submitted by Great Plains Oil Company consistent with the previously submitted proposed site plan, then the City will review the application for a building permit with regard to all other current and proposed ordinances and zoning rules regarding such application for building permit, but the City will not

rely upon 4.0403 since this Resolution is to remove the restriction otherwise automatically imposed upon the proposed site plan submitted by Great Plains Oil Company as said restriction is set forth in Ordinance Section 4.0403, carried. Hollingsworth moved, Day second to impose a temporary moratorium extending for the shorter of 6 months or completion of a study to analyze and adjust the benefits and burdens of economic life to promote the common good and to maintain the status quo while the said study is undertaken and said moratorium applies to all commercial development along the corridor of Highway 1 from the Oakes Golf Course to the Oakes Public School. Discussion on the motion included concerns about the layout of the site including the ability for semi-trucks to easily enter and exit the site without disrupting the flow of traffic on Highway 1. Great Plains stated that their site plans will likely change as they continue with the process. The adjacent railroad crossing could cause problems with the semi-truck traffic as the crossing can be closed for significant amounts of time when trains are loading. Council members are concerned about a possible increase in truck traffic in that area due to Hockenberry Park's location across the road, this park is where numerous public events are held each year. The council also expressed their doubt that the City of Oakes could sustain a fourth convenience store/gas station causing a negative effect on established businesses. After this lengthy discussion the motion was put to vote and carried with all council members voting in favor. Council will work with Brandon Reber of Moore Engineering on specifics of the study to include traffic safety and pedestrian safety on a walking path extending to the golf course. No action was taken on the building permits for the trailer parks as the projects are put on hold for the time being.

New Business: Employee Appreciation: Harris moved, Day second to present full and part-time employees with Oakes Bucks in appreciation of their work throughout the year, carried. Flood Plain Amendment: Due to legislative changes the amendment is needed to comply with all requirements. Hollingsworth moved, Harris second to approve change to ordinance 14.0308 subsection 1.1 Statutory Authorization, carried. Planning & Zoning Commission: previous appointments have expired and new members will need to be appointed. Special meeting will be held Tuesday January 6th to appoint members.

Announcements & Correspondence:
City Hall Closed Noon Wednesday December 24th and Thursday December 25th.
Public Service Commission notice of public hearings on a new electric corridor in Dickey and neighboring counties.

Hollingsworth moved, Harris second to adjourn the meeting at 8:05PM.

MAYOR_____ ATTEST_____

(minutes subject to correction and approval at the next regular meeting)

# 1086900 - Stanley CIP Phase III - Copy

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 29, 2025 2:13 PM |
| **Initially Submitted By:** | Camie Janikowski |
| **Last Submit Date:** | Jan 6, 2026 12:48 PM |
| **Last Submitted By:** | Camie Janikowski |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | yes |
| **Type:** | External User |
| **Name:** | Ms. (Salutation) Camie (First Name) J (Middle Name) Janikowski (Last Name) |
| **Title:** | |
| **Email*:** | camiej@broszengineering.com |
| **Address*:** | 109 S Main St<br>Box 357<br>Bowman (City) North Dakota (State/Province) 58623 (Postal Code/Zip) |
| **Phone*:** | 701-523-3340 (Phone) 8014 (Ext.)<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Stanley |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | 45-6002160 |
| **Organization Website:** | www.stanleynd.com |
| **Address*:** | PO Box 249 |

| | |
|---|---|
| | Stanely North Dakota 58784-0249<br>City State/Province Postal Code/Zip |
| **Phone*:** | 701-628-2225 Ext.<br>###-###-#### |
| **Fax:** | 701-628-2232<br>###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | 0000001922 |
| **Comments:** | |
| **Location Code:** | 6REMIT |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | City of Stanley's Capital Improvements Plan Phase 3 |
| **Sponsor(s)*:** | City of Stanley |
| **County*:** | Mountrail |
| **City*:** | Stanley |
| **Description of Request*:** | New |
| **Project Type:** | Municipal Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Water is supplied by R&T water supply and enters a 500,000 Gallon underground storage tank. |

**Jurisdictions/Stakeholders Involved*:**

City of Stanley

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

This project area is one of the oldest sections of town with aging infrastructure that used antiquated materials (lead services, asbestos cement watermain, VCP sewer, etc.). The area repaired in Phases 1 & 2, adjacent to this project area, has experienced a multitude of water breaks. This area's sewer mains block-up on a yearly basis and are running at less than half the required slope to be considered self cleaning (.18% instead of .4%).

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The proposed project includes 11 blocks of street construction, 5 blocks of water-main and service replacement and 8 blocks of sanitary sewer-main and service replacements. The proposed project is phase 3 of the street reconstruction, water-main, service replacements and sanitary sewer-main plan for Stanley, with Phase 1 being complete
d in 2022 and Phase 2 in 2024

**Describe the Objectives or Goals Specific to This Application*:**

Replacing the existing, poorly functioning and aged infrastructure will allow the city to provide consistent and reliable services to its residents while reducing emergency maintenance expenses.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

Approximately 10 blocks of street improvements including curb and gutter, Curb Ramps, Sidewalk, Milling, HMA Paving; approximately 8 blocks of new sanitary sewer main, manholes, and services; and approximately 6 blocks of new water main, gate valves and services.

For this project,

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 2321 |

For this project,

| | |
|---|---|
| **What is the Benefited Population?*:** | 2321 |
| **Have Assessment Districts Been Formed?*:** | Yes |
| **Date Formed:** | 09/10/2024 |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | 01/01/2025 |
| **Design Completion*:** | 3/3/2025 |
| **Bid*:** | 01/01/2026 |
| **Construction Start*:** | 05/01/2026 |
| **Construction Completion*:** | 10/01/2026 |

**Explain Additional Timeline Issues*:**

Weather delays, unknown complications for contractors or supply issues are potential unknown timeline complications.

| | |
|---|---|
| **Consulting Engineer*:** | Brosz Engineering |
| **Engineer Direct Phone Number*:** | 701-628-3340 |
| **Engineer Email*:** | patrick@broszengineering.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Ada Arnewson 12/29/2025<br>First Name Last Name Date |
| **Title/Position/Authority*:** | City Auditor |
| **Address*:** | PO Box 249<br>Address Line 1<br>Address Line 2<br>Stanley North Dakota 58787-0249<br>City State Zip Code |
| **Direct Phone Number*:** | 701-628-2225 |
| **Sponsor Email*:** | ada@stanleynd.us |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | No Last Name |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:**<br>CLICK HERE **to see examples.** | No |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | Sched B Map City of Stanley.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | Yes |
| **Engineer's Estimate of Probable Cost**<br>Separate Project Components by Type (Storm Sewer, Sanitary Sewer and Associated Roads, Drinking Water and Associated Roads, and Roads)<br>**:** | 2405137 Schedule B Cost Estimate.pdf |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 2025-12-09 Council Minutes Draft.docx |
| **Cover Letter:** | City application letter.pdf |

| | |
|---|---|
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | sfn_61801_delineation_of_cost 3.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 2405137 Plan Set 1 of 2.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

| | |
|---|---|
| **Life Cycle Cost Analysis:** | life_cycle_cost_analysis_worksheet 1 Stanley CIPP Phase III Sch B.xlsx |

CLICK HERE for SFN 62417 Basic Asset Inventory Tool and Current Version.

| | |
|---|---|
| **Asset Inventory Assessment:** | sfn_62417_basic_asset_inventory_tool.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | Bid Summary_PJC 1.xlsx |
| **Other Applicable Document:** | |
| **Other Applicable Document:** | |

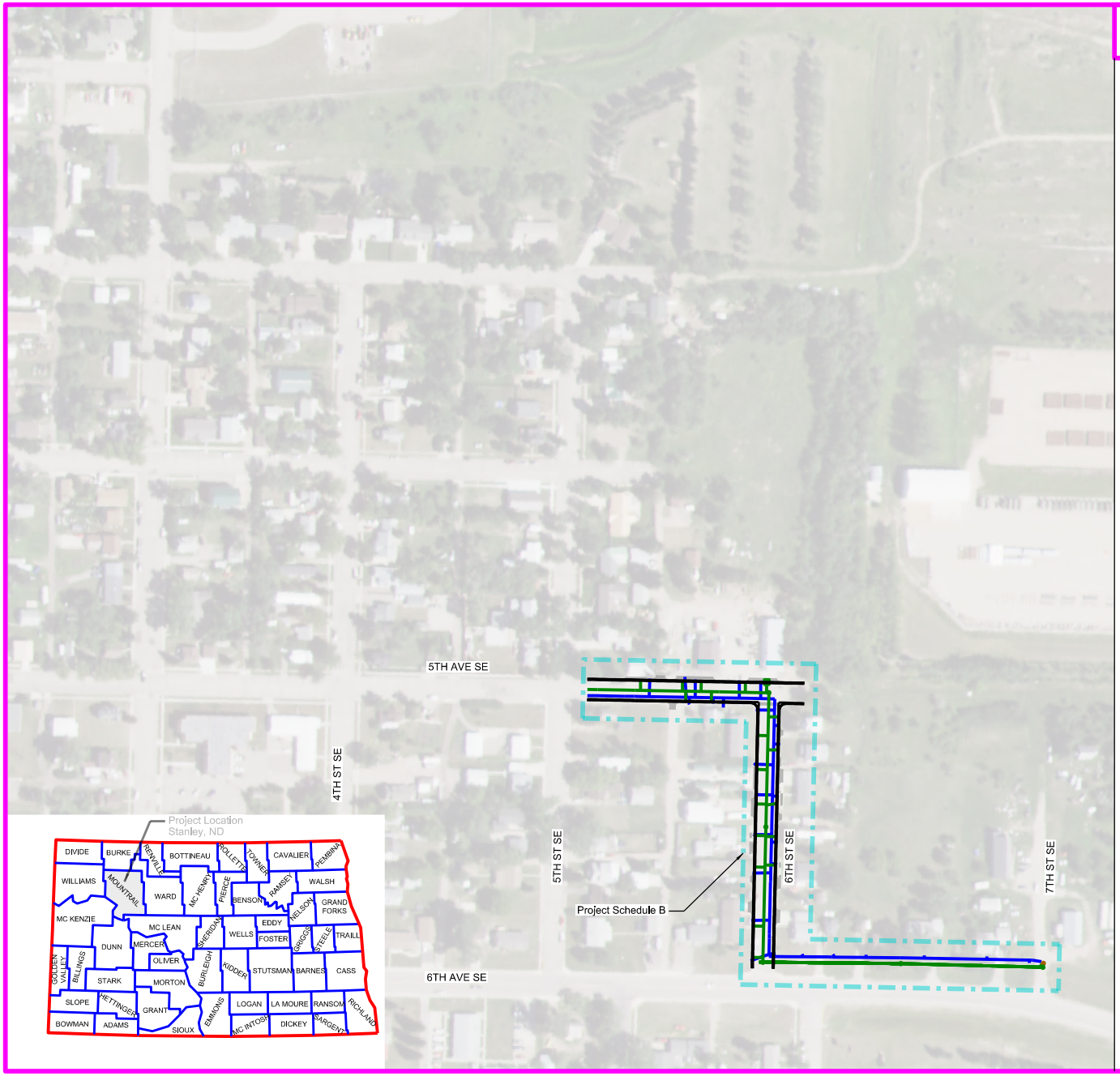
## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Other | Local City Infrastructure Funds | Current Request | $1,492,944.17 | $0.00 | $0.00 | $1,492,944.17 | | 0.00 | 0.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Drinking Water State Revolving Fund | Future Request | $226,536.26 | $0.00 | $0.00 | $226,536.26 | Loan | 30.00 | 0.00 |
| Department of Water Resources Cost Share Construction | Current Request | $339,804.00 | $0.00 | $0.00 | $339,804.00 | Grant | 0.00 | 0.00 |
| | | **$2,059,284.43** | **$0.00** | **$0.00** | **$2,059,284.43** | | | |

| STATE | PROJECT NO. | SECTION NO. | SHEET NO. |
|---|---|---|---|
| ND | 24-05-137 | 4 | 1 |




N

SCALE

0 250' 500'

**LEGEND**

Storm Sewer Line

Sanitary Sewer Line

Water Line

This document is preliminary and not for construction or implementation purposes.

PRELIMINARY

STANLEY, ND - MOUNTRAIL COUNTY

SCOPE OF WORK
SPLIT SCOPE

CAPITAL IMPROVEMENTS PLAN

1/5/2026 5:15:49 PM paulh C:\Users\paulh\Documents\004SW_001_Scope of Work - Project Area 1 & 2.dgn

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received :

| | |
|---|---|
| **Date :** | December 4th 2025 |
| **Project :** | Stanley Captital Improvement Plan Phase 3 - Sch B |
| **Sponsor :** | City of Stanley |
| **Contact :** | Ada Arneson, Auditor |
| **Phone :** | 701-628-2225 |
| **Engineer :** | Patrick Carabello, PE, Brosz Engineering Inc. |
| **Phone :** | 701-628-3340 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 2,059,284.43 | **Total Cost-Share* :** | $ 339,804.15 |
| **Ineligible Cost :** | $ 1,492,944.17 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 566,340.26 | **Preconstruction :** | $ - |
| **Local Cost :** | $ 1,719,480.27 | **Construction :** | $ 339,804.15 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 60% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 0.0% | | 0 | | | $ - | 60% | $ - |
| 7 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Preconstruction Total** | | | | $ - | 60% | $ - |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 3.3% | Construction Observation | 1 | NA | 67,745.00 | $ 67,745.00 | 60% | $ 40,647.00 |
| 12 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 13 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 3.3% | **Construction Engineering Total** | | | | $ 67,745 | 60% | $ 40,647.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 1.1% | Mobilization | 0.25 | LS | 91,600.00 | $ 22,900.00 | 60% | $ 13,740.00 |
| 16 | 0.1% | Bonding | 0.25 | LS | 11,055.00 | $ 2,763.75 | 60% | $ 1,658.25 |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 18 | 0.1% | Other Services Provided By Contractor | 7 | HR | 190.00 | $ 1,330.00 | 60% | $ 798.00 |
| 19 | 0.0% | Removal of Pavement | 3 | TON | 18.73 | $ 56.19 | 60% | $ 33.71 |
| 20 | 0.0% | Aggregate Base Course CL 5 | 2 | TON | 21.86 | $ 43.72 | 60% | $ 26.23 |
| 21 | 0.1% | Bedding | 51 | CY | 53.22 | $ 2,714.22 | 60% | $ 1,628.53 |
| 22 | 0.4% | Removal and Relay Blended Base Course | 1016 | TON | 7.12 | $ 7,233.92 | 60% | $ 4,340.35 |
| 23 | 1.5% | Paving | 1 | LS | 30,379.92 | $ 30,379.92 | 60% | $ 18,227.95 |
| 24 | 0.0% | Geosynthetic Material Type R1 | 214 | SY | 4.58 | $ 980.12 | 60% | $ 588.07 |
| 25 | 1.7% | Gate Valve | 7 | EA | 4,907.14 | $ 34,349.98 | 60% | $ 20,609.99 |
| 26 | 0.0% | Gate - Remove | 1 | EA | 475.00 | $ 475.00 | 60% | $ 285.00 |
| 27 | 0.1% | Concrete | 10 | SY | 151.00 | $ 1,510.00 | 60% | $ 906.00 |
| 28 | 1.7% | Hydrant | 3 | EA | 11,583.33 | $ 34,749.99 | 60% | $ 20,849.99 |
| 29 | 0.6% | Water Service Line | 125 | LF | 92.00 | $ 11,500.00 | 60% | $ 6,900.00 |
| 30 | 1.0% | Temporary Pumping | 1 | LS | 20,750.00 | $ 20,750.00 | 60% | $ 12,450.00 |
| 31 | 8.1% | Water Main 6 in | 1400 | LF | 119.18 | $ 166,852.00 | 60% | $ 100,111.20 |
| 32 | 0.6% | Connection to Existing Line | 2 | EA | 5,950.00 | $ 11,900.00 | 60% | $ 7,140.00 |
| 33 | 3.3% | Water Service Connection | 22 | EA | 3,107.44 | $ 68,363.60 | 60% | $ 41,018.16 |
| 34 | 1.3% | Process Pipes, Values, Fittings | 7 | EA | 3,737.14 | $ 26,160.01 | 60% | $ 15,696.00 |
| 35 | 0.4% | Curb and Gutter | 129 | LF | 64.00 | $ 8,256.00 | 60% | $ 4,953.60 |
| 36 | 0.0% | | | | | $ - | 60% | $ - |
| | | **Construction Sub-Total** | | | | $ 453,268.42 | 60% | $ 271,961.05 |
| | 2.2% | **Allowable Contingency (10%)** | | | | $ 45,326.84 | 60% | $ 27,196.10 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | $ - |
| | 24.2% | **Construction Total** | | | | $ 498,595.26 | 60% | $ 299,157.15 |
| | | | | | Eligible Preconstruction | $ - | 60% | $ - |
| | | | | | Eligible Construction | $ 566,340.26 | 60% | $ 339,804.15 |
| | | | | | **Eligible Total** | $ 566,340.26 | 60% | $ 339,804.15 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 1.8% | Other Preconstr. Eng. (Not Water Related) | 1 | NA | 37,700.00 | $ 37,700 | 0% | $ - |
| 38 | 0.0% | | | | | $ - | 0% | $ - |
| 39 | 0.0% | | | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 1.8% | **Preconstruction Ineligible Total** | | | | $ 37,700 | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 3.7% | Mobilization, Bonding, Insurance (Not Water Rela | 1 | LS | 76,991.25 | $ 76,991.25 | 0% | $ - |
| 42 | 7.9% | Other Constr. Eng. (Not Water Related) | 1 | NA | 162,980.00 | $ 162,980.00 | 0% | $ - |
| 43 | 59.0% | Other Constr. (Not Water Related) | 1 | LS | 1,215,272.92 | $ 1,215,272.92 | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 70.7% | **Construction Ineligible Total** | | | | $ 1,455,244.17 | 0% | $ - |
| | | | | | **Ineligible Total** | $ 1,492,944.17 | 0% | $ - |
| | 100.0% | | | | **Project Total** | $ 2,059,284.43 | | |
| | | | | | **Federal or State Funds That Supplant Costs** | $ - | | |
| | | | | | **Eligible Cost Total** | $ 566,340.26 | 60% | $ 339,804.15 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Stanley
**Project Title:** Stanley CIP Phase III - Sch B **Date:** January 9, 2026

**Explanation of Alternatives:**

Watermain & Service Replacement (Preferred) – Replace 3 blocks of aging and failing water mains, as well as all the city owned sections of services. New hydrants will be installed at each intersection and gate valves will be installed to give control over each block.
Do Nothing - Nothing will be done to replace or fix ageing and failing waterlines
Full Project Costs - This project includes 4.5 block of street construction, 3 blocks of water-main and service replacement and 3 blocks of sanitary sewer-main and service replacements.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 1134 |
| Net Connections (New + Current) | 1134 |

| | |
|---|---|
| Current CIF Balance | $558,378 |
| Annual CIF Contribution | $12,050 |
| Cash Funding Target (Percentage %) New Assets | 0% |
| Cash Funding Target (Percentage %) Existing Asets | 40% |
| Annual CIF Contribution suggested for the Project | $3,236 |

| | Watermain & Service Replacement (Preferred) | Do Nothing | Full Project Costs | |
|---|---|---|---|---|
| Construction Cost | $566,340 | $0 | $1,971,200 | |
| Annual O & M | $0 | $30,000 | $0 | |

**Details:**

This is a combined project and the third column reflects the full combined project cost for Commissioner reference.

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Watermain & Service Replacement (Preferred) | Do Nothing | Full Project Costs | |
|---|---|---|---|---|
| Capital Costs | $559,000 | $0 | $1,945,000 | |
| O&M | $0 | $832,000 | $0 | |
| Repair, Rehab, Replacement | $82,000 | $0 | $89,000 | |
| Salvage Value | $17,000 | $0 | $17,000 | |
| **Total PVC** | **$624,000** | **$832,000** | $2,017,000 | |
| | | | | |
| **PV Cost Per User** | **$550** | **$734** | **$1,779** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$59** | | | |
| **Comparable Water Rate** | | **$49** | | | |
| Net Connections (New + Current) | | 1,134 | 1,134 | 1,134 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $223,600 | $0 | $778,000 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $223,600 | $0 | $778,000 | |
| **Payment Per User With Cost-Share** | | **$1.00** | **$0.00** | **$3.47** | |
| | Local Share | $559,000 | $0 | $1,945,000 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $559,000 | $0 | $1,945,000 | |
| **Payment Per User Without Cost-Share** | | **$2.49** | **$0.00** | **$8.68** | |

**Explanation of Results:**

The sponsor preferred project is the "Watermain & Service Replacement" option. The present value cost of the preferred alternative is $624,000 and the presented alternative for comparison is "Do Nothing" at a present value cost of $832,000. The present value cost per user for the preferred alternative is $550. The monthly user cost of the local share with DWR 60% cost-share participation is $1.00 per month and $2.49 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease | |
|---|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2023 | | | |
| Population & Trends | 1,458 | 2,184 | 3.8% | 56 | |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

Department of Water Resources
Attn: Reice Haase, Director
1200 Memorial Highway
Bismarck, ND 58504

RE: City of Stanley CIP Phase III Application Cover Letter

Dear Mr. Haase,

On December 9th 2025, the City of Stanley City Council approved requesting cost share with the Water Resources for the Stanley CIP Phase III Project.

This project includes 11 block of street construction, 5 blocks of water-main and service replacement and 8 blocks of sanitary sewer-main and service replacements. This project area is one of the oldest sections of town with aging infrastructure that used antiqued materials.

Ada Arneson, Stanley City Auditor, is the Authorized Individual for grant applications and administration in WebGrants. Please contact Ada or Patrick Carabello, Brosz Engineering with any questions regarding the project.

Sincerely,

Marlin Eliasson

Mayor of Stanley

**MINUTES OF THE STANLEY CITY COUNCIL**
**December 9, 2025**

Mayor Marlin Ranum called the December 9, 2025 regular meeting to order at 7:00 P.M. The following Council Members were present: Jesse Weyrauch, Ty Taylor, Randy Jarmin, George Littlecreek and Chad Hysjulien. Others in attendance were City Auditor, Ada Arneson; Planning and Zoning Administrator, Amanda Dennis (via Teams); Interim Chief of Police, Samuel Pesik; Public Works Director, David Brown; City Attorney, Ryan Sandberg from Pringle & Herigstad Law Firm (via Teams); and City Engineer, Patrick Carabello with Brosz Engineering.

**MINUTES**

Motion made by Weyrauch, seconded by Taylor, to approve the minutes of the November 10, 2025, regular meeting. All present voted yes. Motion carried.

**PLANNING AND ZONING RECOMMENDATIONS**

Todd Heidbreder, Chairman of the Planning & Zoning Commission, presented the P&Z Commission report to the City Council.

*VARIANCE PERMIT*

*Cody Gerich*

Chairman Heidbreder explained the Variance Permit request filed by Cody Gerich for property at 618 4th St SE (Parcel #61-0052000) to allow for a lot size of 5,000 square feet. The Zoning Ordinance requires a minimum lot size of 7,000 square feet for R1 single-family detached residential zoned property. The current lot size is approximately 100' X 100' and in October 2025 the Council approved a plat to split the lot making two 50' X 100' lots creating 5,000 square foot lots. The P&Z Committee approved Gerich's request for a Variance Permit.

Motion made by Littlecreek, seconded by Taylor, to approve a Variance Permit to allow for a 5,000 square foot lot at 618 4th St SE as per request by Cody Gerich and as recommended by the P&Z Commission. All present voted yes. Motion carried.

*PLAT LOT*

*Lucinda Douglas*

Chairman Heidbreder informed the Council the P&Z Commission approved the plat request filed by Lucinda Douglas to subdivide Outlot 3 in Section 4 of Purcell Township to create two lots to be known as Lots 1 & 2 of the Douglas Subdivision. The land in question is within the City's extraterritorial jurisdiction.

Motion made by Hysjulien, seconded by Littlecreek, to approve and authorize the Mayor to sign the plat for property described as the Douglas Subdivision, Lots 1 & 2, located in Outlot 3 of Gov't Lot 1, Gov't Lot 2, Gov't Lot 3, the SE¼NW¼ and the S½NE¼ of Section 4, Township 155N, Range 91W. All present voted yes. Motion carried.

*MOBILE FOOD PERMIT*

*Paco's Taco/Carlos Delgado*

Chairman Heidbreder discussed the Mobile Food Permit request filed by Paco's Taco/Carlos Delgado to allow a mobile food unit on A Plus Properties LLC at 606 Westview Lane (Parcel #61-0094401) to sell Mexican Food. The Council tabled action on this permit at their last regular meeting until the mobile food unit passed state health inspection from the district that serves Stanley City. Chairman Heidbreder stated documentation has been received verifying the unit passed the state health inspection.

Motion made by Littlecreek, seconded by Taylor, to approve the Mobile Food Permit request filed by Paco's Taco/Carlos Delgado to allow a mobile food unit on A Plus Properties LLC at 606 Westview Lane to sell Mexican Food and as per recommendation of the P&Z Commission. All present voted yes. Motion carried.

*2025 Expiring Term – P&Z Commission*

Chairman Heidbreder informed the Council that Gene Wing's term expires at the end of the year, and he will not be seeking reappointment. The P&Z Commission recommended Ben Wing to serve on the P&Z Commission as representative from the extraterritorial jurisdiction. Motion made by Littlecreek, seconded by Taylor, to appoint Ben Wing to serve on the P&Z Commission for a five-year term as recommended by the P&Z Commission. All present voted yes. Motion carried. Chairman Heidbreder expressed gratitude of Gene's Wing's many years of dedicated service and his contributions to the P&Z Commission.

*Plat Review Information*

Chairman Heidbreder informed the Council the P&Z Commission discussed the Council's concern of P&Z making motions pertaining to plat approvals that are contingent upon county review. Chairman Heidbreder stated the P&Z Commission will no longer be making these types of motions and will not be signing the plats until the plat receives Council's approval.

**PLANNING & ZONING ADMINISTRATOR REPORT**

Amanda Dennis, P&Z Administrator, presented the following permit for the Council's approval:

**Building Permit**

| Permit # | Address | Name | Improvement |
|---|---|---|---|
| 53-25 | 504 1st St NW | Daniel Batteiger (Darla Juma) | New Front Yard Fence |

Motion made by Littlecreek, seconded by Hysjulien, to approve the P&Z Administrator Report. All present voted yes. Motion carried.

**EDC COMMITTEE & LOSTWOOD MEDIA EDC APPLICATION**

Brandi Larson, Representing the Economic Development Committee (EDC), met with the Council to present requests acted on by the EDC at their December 2, 2025, meeting. The first request is from the Stanley Park District requesting $300,000 in grant funding for the purpose of constructing a new shelter/pavilion in Wilson Park where the basketball court is currently located. The second request is from the Mountrail County Medical Center (MCMC) requesting $200,000 in grant funding towards the cost of a new MRI suite at the hospital. Representative Larson stated the EDC is recommending $150,000 in EDC grant funding to the Stanley Park District and $150,000 to the MCMC. In addition, Representative Larson stated the EDC is recommending the tabled application for Lostwood Media in the amount of $25,000 be granted under the current EDC parameters. The EDC will continue to work towards finalizing a new application and loan process to use moving forward after the new year.

The Council further discussed the funding that was awarded to Lostwood Media on June 10, 2025. The owner of Lostwood Media had concerns after reviewing the revised loan documents and withdrew her application for funding. On July 8, 2025, the Council tabled action on the letter of withdrawal to allow time to review the revised promissory note and other documents to see if adjustments were needed. It was not the Council's intent to hinder applicants from receiving EDC funding.

Motion made by Hysjulien, seconded by Littlecreek, to approve awarding the grant funding as approved on June 10, 2025, to Lostwood Media based on the original loan guidelines. The funding was for an interest free five-year loan of $25,000 to assist with fire disaster recovery to replace essential equipment to rebuild her business with a loan forgiveness of $5,000 per year for each year the business remains in operation during the five-year period. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

Council Member Hysjulien expressed his concerns on awarding funding to the Stanley Park District and the Mountrail County Medical Center as they are already receiving a large portion of the 1½% city sales tax funding. Council Member Hysjulien stated both projects are warranted projects and he is not against either project, he just wanted to point out they are already receiving sales tax allocations. EDC Representative Larson stated the sales tax does not cover the cost of these projects and to progress forward these entities need additional funding beyond the amount they are receiving from the sales tax. Mayor Ranum agreed with comments made by Council Member Hysjulien, but felt the hospital project is

beneficial to the whole surrounding area, and he would not be against allocating funds to either entity. The current balance in the EDC Fund 40 is approximately $522,000 and the EDC cannot carry over more than $150,000. Any balance over $150,000 is transferred to the City Infrastructure Fund 41. Council Member Hysjulien asked if there were any stipulations to prevent someone from applying for two years once they receive funding. Representative Larson was not aware of anything but would check to make sure.

Motion made by Hysjulien, seconded by Littlecreek, to approve the recommendation of the EDC Committee to award grant funding of $150,000 to the Stanley Park District towards a new pavilion and $150,000 to the MCMC towards a new MRI suite at the hospital. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

City Attorney, Ryan Sandberg, commented on bid requirements for public improvement construction under Chapter 48-01.2-02.1 of the ND Century Code. Representative Larson stated the cost for the pavilion is only an estimate, the Park District has not moved forward on anything yet.

Representative Larson brought to the Council's attention there are no term limits for EDC members. Council Member Hysjulien felt there should be term limits; a four-year term was suggested. Representative Larson stated John Westby will be stepping down as EDC member at the end of the year and the committee is recommending Dustin Cossette be appointed to the EDC. Motion made by Hysjulien, seconded by Littlecreek, to approve the appointment of Dustin Cossette to the EDC as recommended by the EDC. All present voted yes. Motion carried.

**VACANCY DISCUSSION – COUNCIL MEMBER, JDA, P&Z, & COMMITTEES**

Mayor Ranum stated he visited with several people to fill the vacancy in the City Council. Mayor Ranum is recommending Darren LeRohl. City Attorney Sandberg stated anyone can recommend but the appointment needs the approval of the City Council. Motion made by Taylor, seconded by Hysjulien, to approve the appointment of Darren LeRohl to the Stanley City Council. All present voted yes. Motion carried. The appointment includes the recommendation of Darren LeRohl to the Mountrail County Job Development Authority, the Mountrail County Planning & Zoning and the City committees that were held by the late Kirk Johnson provided Mr. LeRohl is agreeable to serving on these board/committees.

**FINAL REVIEW OF JOHN RIAN SALE DOCUMENTS BEFORE PUBLICATION**

The Council reviewed the finalized documents for the sale of City-owned property in the John Rian Addition Phase 1. Motion made by Hysjulien, seconded by Taylor, to approve the finalized documents as presented and advertise the sale of City-owned lots in the John Rian Addition Phase 1 in the January 7 & 14 issues of the Promoter. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

**ENGINEERING REPORT**

City Engineer, Patrick Carabello, was present to update the Council on projects being handled through Brosz Engineering.

*Capital Improvement Plan Phase 3 – District #62 Water & Sewer and District 63 Street (Schedule A) and District 64 Water & Sewer and District 65 Street (Schedule B)*

Engineer Carabello stated the major work items west of 5th Street are complete. The topsoil and seeding will be completed in the spring. The CIP3 Project has officially entered winter suspension. Engineer Carabello mentioned Schedule A portion of CIP 3 is projected to finish $150,000 under budget. A substantial completion walkthrough for Schedule A will be needed in the spring.

Engineer Carabella stated the City is eligible to apply for grant funding through the Department of Water Resources, which would be a 60% (DWR) / 40% (City) split for the water portions of the project. There is no guarantee to receive funding, but the grant could provide up to $710,000 in funding for the water portion of the project. Motion made by Hysjulien, seconded Weyrauch, to apply for DWR cost share funding grant for the CIP Phase 3 Project and appoint City Auditor, Ada Arneson, as the legal authority to

sign the cost-share agreement. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

Motion made by Hysjulien, seconded by Littlecreek, to approve payment to Kemper Construction for Pay Application #6 in the amount of $289,267.01 for CIP3 ($50,426.59 for Sewer District 62, $58,041.29 for Water District 62, $131,110.86 for Street District 63, $5,567.12 for Sewer District 64, $5,256.05 for Water District 64 and $38,865.10 for Street District 65). ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

Motion made by Hysjulien, seconded by Littlecreek, to approve the amended Work Order Proposal #2A not to exceed $12,097.50 with Brosz Engineering for engineering services in connection with District 62 Water Improvement Project. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

*John Rian Reconstruction – Districts #59 & #60*

Engineer Carabello stated the damages withheld for streetlights in conjunction with the John Rian Reconstruction project included the labor cost of the electrician.

Motion by Hysjulien, seconded by Littlecreek, to approve the Final Balancing Change Order #1 for an increase of $64,280.45 ($41,810.29 Commercial District #59 and $$22,470.16 Residential District #60) to the contract with Knife River Corporation – North Central and to approve the Final Pay Application #6 in the amount of $82,684.11 ($46,927.31 for John Rian Commercial District #59 and $35,756.80 for John Rian Residential District #60). ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

*Lead Service Line Phase 2*

Engineer Carabello stated the ND Department of Environmental Quality has signed work orders and letters/surveys are being sent out to unknown private service lines to make owners aware of what is going on and to try to schedule inspections to get the unknown lines categorized. Brosz is aiming to complete inspections by September 1st. Discussion was held on the recent letter sent out and the confusion between the service line on the public (City) side and the private side. This project is being done by Brosz Engineering through the NDDEQ. Engineer Carabello commented that next phase of capital improvement projects will have seven lead lines that will need to be addressed.

*Future Work and Opportunities*

Engineer Carabello stated the Special Road Fund Application for CIP Phase 4 has been submitted and the Transportation Alternative Application will be submitted this month as approved by the Council at their last regular meeting. Engineer Carabello provided the Council with a map with the preliminary scoping for CIP Phase 4 Project and a utility map of the same area.

Engineer Carabello recommended that the City submit for a Planning Assistance Reimbursement (PAR) grant through the SRF Tracker Portal to meet 2027 construction as needed if the City is awarded funding under the Special Road Fund Program. The PAR grant would provide funding (80/20 split) for preliminary engineering reports which are required by the CWSRF/DWSRF. The grant would provide up to $15,000 for water and $15,000 for sewer ($30,000 total) and additional cost sharing to camera the sewers. Council Member Hysjulien asked if applying obligates the City to move forward with the project; Engineer Carabello indicated it does not.

Motion made by Hysjulien, seconded by Littlecreek, to apply for PAR grant funding through the ND Department of Environmental Quality to assist with the preliminary engineering of the planning stage of the CIP Phase 4 Project. All present voted yes. Motion carried.

Motion made by Taylor, seconded by Littlecreek, to authorize Patrick Carbello to sign the Engineer Certificate of Services for Clean Water and Drinking Water Revolving Fund Program Planning Assistance Reimbursement (PAR). All present voted yes. Motion carried.

**SRF FINAL PROJECT CLOSEOUT CERTIFICATION – CIP PHASE 2**

Motion made by Hysjulien, seconded by Littlecreek, to approve signing final closeout certifications for the Capital Improvement Project Phase 2. All present voted yes. Motion carried

**FLOODPLAIN ORDINANCE – SB 2027**

The Council reviewed the November 21, 2025, letter from Tyler Spomer, National Flood Insurance Program (NFIP) State Coordinator pertaining to a new law that took effect on August 1, 2025, under Senate Bill 2027 relating to floodplain management authority. City Attorney, Ryan Sandberg, commented the City does not have any body of water that would cause flooding so does not believe that this applies to the City. City Attorney Sandberg recommended following up with Mr. Spomer to see if any action is needed.

**POLICE COMMITTEE**

Ty Taylor, Chair of the Police Committee, commented the Police Committee met to interview applicants for the position of Chief of Police. Chair Taylor stated the Police Committee is recommending the appointment of Samuel Pesik as the Chief of Police. The Police Committee will meet forthcoming to determine the salary; until such time there will be no increase in pay.

Motion made by Littlecreek, seconded by Weyrauch, to approve the recommendation of the Police Committee to appoint Sam Pesik as Stanley City Chief of Police effective immediately. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

**POLICE REPORT**

Chief of Police, Samuel Pesik, presented a quote from Axon Enterprise for bodycams for the Police Department. This quote was overlooked at the last Council meeting as the agreement was presented to the Police Committee at the same time the tasers quote was reviewed. Motion made by Littlecreek, seconded by Taylor, to approve the five-year contract with Axon Enterprise for bodycams at a cost of $42,456.42 ($8,056.42 for year 2026 and $8,600 for years 2027, 2028, 2029 & 2030). ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

Chief of Police Pesik discussed publicly recognizing a citizen for heroic efforts in apprehending a person that trespassed on someone's property. This citizen does not want to be publicly recognized. Chief of Police Pesik will present the individual with a medal of appreciation at his residence.

Chief of Police Pesik discussed the recent legislative bill passed designating Highway 200 as the ND Fallen Peace Officer's Memorial Highway. Agencies can have a sign placed on the highway in memory of fallen peace officers. The sign cost ($300-$400 per sign) is paid by the local agency; the NDDOT will bear the remaining costs (posts, labor, etc.) associated with the installation of the signs. Chief of Police Pesik stated the City of Stanley has two fallen peace officers, Christian Madison in 1922 and Arthur Sem in 1942. Motion made by Hysjulien, seconded by Weyrauch, to approve the purchase of signs to recognize Stanley City's fallen peace officers as presented by Chief of Police Pesik. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

Chief of Police Pesik explained outstanding bills from Axon Enterprise received in November 2025. The bills were from 2023, 2024 and 2025. Chief of Police Pesik contacted Axon Enterprise, the bill from 2023 can be disregarded, the bill from 2024 is waiting response and the 2025 bill for dash cameras in the amount of $18,329.08 needs to be paid. Motion made by Littlecreek, seconded by Hysjulien, to approve payment to Axon Enterprise in the amount of $18,329.08 for the 2025 contract payment for dash cameras. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

**PUBLIC WORKS REPORT**

Public Works Director, David Brown, presented the public works report. PW Director stated the storm water ditch repair project that runs alongside Lagoon Cells 2 & 3 was completed before the weather

turned. Mayor Ranum felt the project should have been extended to the east approximately 80'. PW Brown stated the storm water ditch will be evaluated in the Spring to see how it runs and if necessary, additional repairs will be made.

Council Member Hysjulien pointed out the efficiencies at the City level by the utilization of the recent purchase of GPS equipment. The Public Works Department has been "boots on the ground" and has been accurately locating curb stops. The department will continue adding layers to the GIS to have databases for the City.

Council Member Hysjulien explained the Agreement to Perform Utility Services & Drive Repair to have a document of record pertaining to property at 306 4th St SE as discussed at the last regular meeting of the City Council. Motion made by Littlecreek, seconded by Taylor, to approve the Agreement to Perform Utility Services & Drive Repair as follows:

INSERT AGREEMENT

All present voted yes. Motion carried.

**CITY AUDITOR UPDATES**

*PLEDGE OF SECURITIES – BRAVERA BANK*

Motion made by Hysjulien, seconded by Weyrauch, to approve the Pledge of Securities of Bravera Bank as presented. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek, and Hysjulien; and no "NAYS". Motion carried.

*HIGHLAND WATER – WATER PERMIT*

The Council reviewed the acknowledgement that the ND Department of Water Resources received the City Council's letter opposing the Conditional Water Permit Application No. 7442 of Highline Water LLC to draw 350 acre-feet from the Stanley Reservoir.

*ADVERTISE FOR PART-TIME OFFICE ASSISTANT*

City Auditor Arneson stated that the Temporary Employment Agreement for Joan Hollekim ends December 31, 2025. Council Member Hysjulien stated the temporary position needs to end and consideration should be given to advertise for a regular part-time office assistant. Motion made by Hysjulien, seconded by Littlecreek, to advertise for a part-time administrative assistant in the December 17 & 24, 2025 issues of the Promoter with closing on December 26th. All present voted yes. Motion carried.

*SET SPECIAL MEETING DATE FOR YEAR END*

A special meeting of the Stanley City Council was set for Tuesday, December 30, 2025, at 4:00 P.M. The Employment Committee would meet Monday, December 29, 2025, at 10:00 A.M.

**CITY ATTORNEY UPDATES**

City Attorney, Ryan Sandberg, explained draft ordinances for Chapter 9, Chapter 12 and Chapter 20 of the Stanley City Ordinances.

*1st READING – CHAPTER 9 – TRAFFIC*

Motion made by Taylor, seconded by Hysjulien, to approve the First Reading of the proposed reenacted and amended in its entirety of Chapter 9 Traffic of the 1999 Revised Ordinances of Stanley. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

*1st READING – CHAPTER 12 – OFFENSES*

Motion made by Taylor, seconded by Littlecreek, to approve the First Reading of the proposed reenacted and amended in its entirety of Chapter 12 Offenses of the 1999 Revised Ordinances of Stanley. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

*2nd READING - CHAPTER 20 – MUNICIPAL COURT*

Motion made by Hysjulien, seconded by Littlecreek, to approve the Second Reading and Final Passage adding Chapter 20 Municipal Court of the 1999 Revised Ordinances of Stanley. Said Ordinance on file in the Stanley City Auditor's Office and spread upon the minutes of this meeting. ON ROLL CALL VOTE, the following Council Members voted "AYE": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien; and no "NAYS". Motion carried.

**COUNCIL CONCERNS**

Council Member Taylor thanked the Public Works for their outstanding work in keeping the streets cleared.

**JUDGES REPORT**

Motion made by Hysjulien, seconded by Littlecreek, to approve the November 2025 Judge's Report. All present voted yes. Motion carried.

**BILLS**

Motion made by Hysjulien, seconded by Weyrauch, to approve the following bills:

(INSERT BILLS)

ON ROLL CALL VOTE, the following Council Members voted "Aye": Weyrauch, Taylor, Jarmin, Littlecreek and Hysjulien and no "NAYS". Motion carried.

Mayor Ranum made comment on overtime being worked and asked the Police Department if this is going to be continual. Chief of Police Pesik commented that because the department is short-staffed, overtime is necessary. Council Member Hysjulien asked if there is any recourse to collect retribution from a guilty party if an officer is harmed. City Attorney Sandberg indicated there is a way to collect retribution if there was injury against an officer if a party is found guilty. There still would be a worker's compensation claim but the City could potentially recover their losses. City Attorney Sandberg stated the State's Attorney should be notified immediately if such an incident would occur.

**PUBLIC COMMENTS**

No one appeared for public comment.

Motion made by Littlecreek, seconded by Taylor, to adjourn at 8:28 P.M. All present voted yes. Motion carried.

Accepted and approved this 13th day of January, 2026.

ATTEST:

Marlin Ranum, Mayor
Stanley City Council

Ada Arneson
Stanley City Auditor

Water Development Plan: Yes (2025)
Plan Priority: Low

DWR Date Received :12/29/25
Revised : 1/6/26

J 9

# 1087062 - Stutsman Rural Water District - Booster Station No. 14

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 29, 2025 5:02 PM |
| **Initially Submitted By:** | Bryan Ziegler |
| **Last Submit Date:** | Jan 6, 2026 3:37 PM |
| **Last Submitted By:** | Bryan Ziegler |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Salutation / Jesse (First Name) / Middle Name / Hewson (Last Name) |
| **Title:** | Distribution Manager |
| **Email*:** | jessesrwdistrict@daktel.com |
| **Address*:** | 1812 Highway 281 N |
| | Jamestown (City) North Dakota (State/Province) 58401 (Postal Code/Zip) |
| **Phone*:** | 701-590-0621 Ext. (Phone ###-###-####) |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | Stutsman Rural Water District |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | 45-0454647 |
| **Organization Website:** | https://www.stutsmanruralwater.com |
| **Address*:** | 1812 Highway 281 N |

Jamestown North Dakota 58401-____
City State/Province Postal Code/Zip

**Phone*:** (701) 590-0621 Ext.
###-###-####

**Fax:** ###-###-####

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

## Infrastructure Funding Request

***Infrastructure Funding Request***

**Project Name*:** SRWD - Booster Station No. 14

**Sponsor(s)*:** Stutsman Rural Water District

**County*:** Stutsman

**City*:** Rural

**Description of Request*:** New

**Project Type:** Rural Water Supply

**If Project is a Study, What Type?:**

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:**

**Jurisdictions/Stakeholders Involved*:**

Stutsman Rural Water District
Rural Stutsman County - Specifically, the area of SRWD's service area South of Interstate 94 in western Stutsman County.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The southwestern portion of SRWD's service area (also known as the Reservoir 13 & Woodworth Service Area) experiences low water pressure. The original design of the Reservoir #13 area included 260 users, SRWD currently have 424 users in the Reservoir #13 area. The low water pressure is confirmed both by SRWD's hydraulic model and also by SRWD staff. SRWD's hydraulic model suggests end users in this area are receiving less than 20 psi of water pressure during peak usage conditions.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The proposed solution is to install a booster pump station (Booster 14) north of the low-pressure area described in the previous section - approximately 8 miles south of Interstate 94 along County Road 30. The installation of Booster 14 will alleviate low-pressure in the Reservoir 13/Woodworth tank service area and allow for future expansion. The increase in pressure is confirmed by hydraulic modeling.

**Describe the Objectives or Goals Specific to This Application*:**

The goal of this project is to provide increased pressures to an area of the SRWD system that has been experiencing low pressures and also provide the ability to serve additional users in the future.

**Describe the Scope of Work or Project Activities Specific to This Application*:**

A below grade booster station will be installed inline within the existing system to increase pressure to all users in the southwest portion of the SRWD water system.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 6000 |
| For this project, | |
| **What is the Benefited Population?*:** | 300 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | Yes |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) *: | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | November 2025 |
| **Design Completion*:** | January 2025 |
| **Bid*:** | February 2026 |
| **Construction Start*:** | May 2026 |
| **Construction Completion*:** | Summer 2027 |

**Explain Additional Timeline Issues*:**

No anticipated timeline issues. However, vault availability is a possible obstacle to project completion.

| | |
|---|---|
| **Consulting Engineer*:** | Bartlett & West - Bryan Ziegler |
| **Engineer Direct Phone Number*:** | 701-221-8353 |
| **Engineer Email*:** | bryan.ziegler@bartwest.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Jesse (First Name) Hewson (Last Name) 12/24/2025 (Date) |
| **Title/Position/Authority*:** | Distribution Manager |
| **Address*:** | 1812 Hwy 281 North<br>Address Line 1<br>Address Line 2<br>Jamestown (City) North Dakota (State) 58401-0000 (Zip Code) |
| **Direct Phone Number*:** | 701-252-7727 |
| **Sponsor Email*:** | jessesrwdistrict@daktel.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Geneva (First Name) Kaiser (Last Name) |
| **Authorized Signor Title/Position:** | Manager |
| **Authorized Signor Email:** | genevasrwdistrict@daktel.com |
| **Authorized Signor Direct Phone Number:** | 701-252-7727 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Dane (First Name) Bollingberg (Last Name) |
| **Additional Board Member Title/Position:** | Board President |
| **Additional Board Member Email:** | dbollingberg@gmail.com |
| **Additional Board Member Direct Phone Number:** | 701-320-5853 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:**<br>CLICK HERE **to see examples.** | No |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | Project Map - Booster 14.pdf |

| | |
|---|---|
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | December 16 2025 Board meeting minutes.pdf |
| **Cover Letter:** | Cost share request letter and minutes.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | sfn_61801_delineation_of_cost.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | BID SET COMBINED.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

| | |
|---|---|
| **Life Cycle Cost Analysis:** | life_cycle_cost_analysis_worksheet - Booster 14.xlsx |

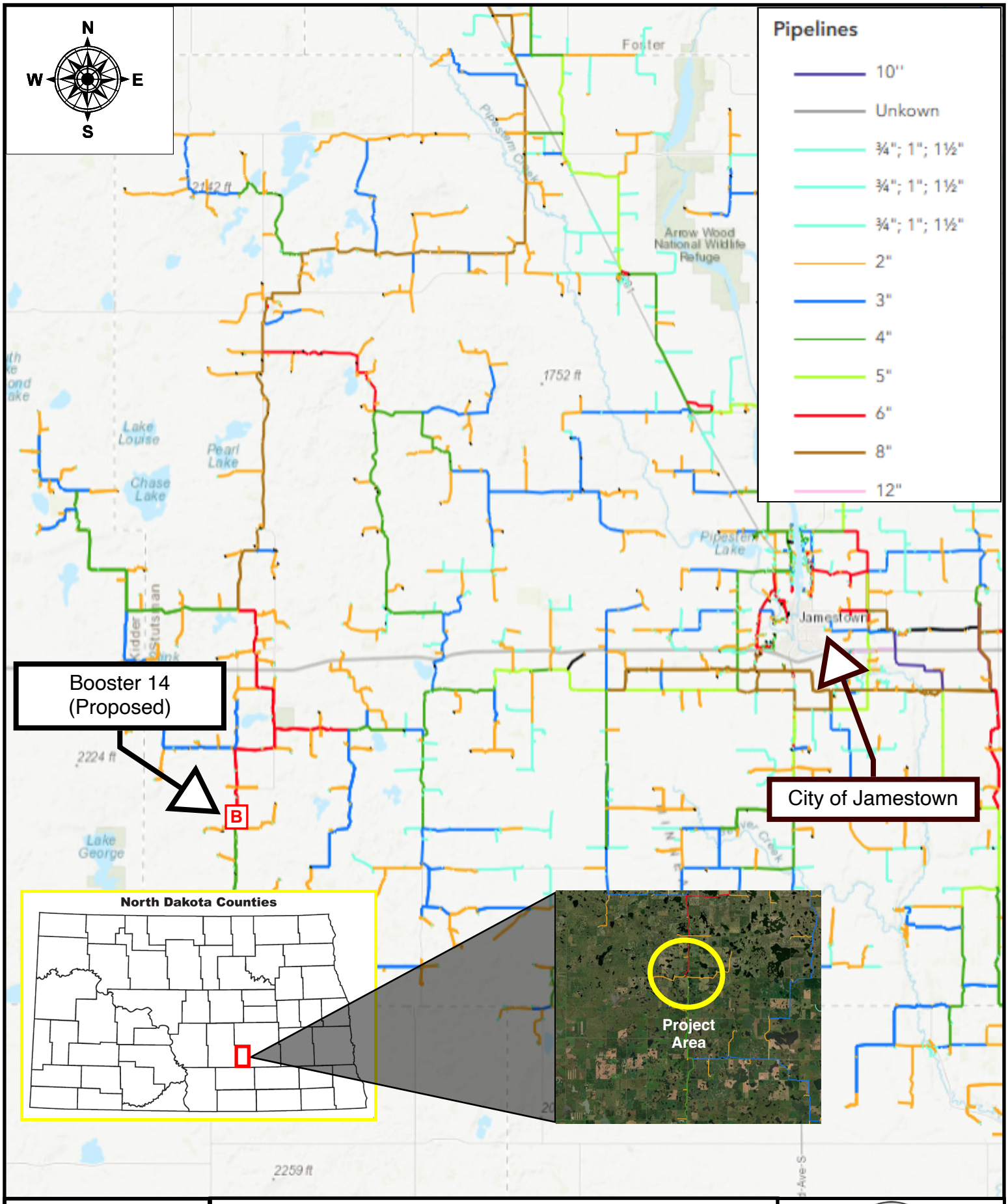
CLICK HERE for SFN 62417 Basic Asset Inventory Tool and Current Version.

| | |
|---|---|
| **Asset Inventory Assessment:** | sfn_62417_basic_asset_inventory_tool-SRWD June 2025.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $46,500.00 | $0.00 | $0.00 | $46,500.00 | Grant | 0.00 | 0.00 |
| Other | Local - Stutsman Rural Water District Reserves | | $15,500.00 | $0.00 | $0.00 | $15,500.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $200,000.00 | $362,875.00 | $0.00 | $562,875.00 | Grant | 0.00 | 0.00 |
| Other | Local - Stutsman Rural Water District Reserves | | $87,625.00 | $100,000.00 | $0.00 | $187,625.00 | | 0.00 | 0.00 |
| | | | **$349,625.00** | **$462,875.00** | **$0.00** | **$812,500.00** | | | |




# SRWD - Booster Station No. 14

T138N R69W S14

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 29, 2025

| | |
|---|---|
| **Date :** | 12/24/25 |
| **Project :** | Booster Station No. 14 |
| **Sponsor :** | Stutsman Rural Water District |
| **Contact :** | Jesse Hewson |
| **Phone :** | 701-252-7727 |
| **Engineer :** | Bryan Ziegler, Bartlett & West |
| **Phone :** | 701-221-8353 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 812,500.00 | **Total Cost-Share* :** | $ 609,375.00 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 812,500.00 | **Preconstruction :** | $ 46,500.00 |
| **Local Cost :** | $ 203,125.00 | **Construction :** | $ 562,875.00 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Rural | 75% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 75% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 1.5% | Preliminary Design | 1 | LS | 12,000.00 | $ 12,000.00 | 75% | $ 9,000.00 |
| 7 | 6.2% | Final Design | 1 | LS | 50,000.00 | $ 50,000 | 75% | $ 37,500.00 |
| 8 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 7.6% | **Preconstruction Total** | | | | $ 62,000.00 | 75% | $ 46,500.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 4.6% | Construction Contract Mmgt. | 1 | LS | 37,000.00 | $ 37,000.00 | 75% | $ 27,750.00 |
| 12 | 4.6% | Project Inspection | 1 | LS | 37,000.00 | $ 37,000.00 | 75% | $ 27,750.00 |
| 13 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 14 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 9.1% | **Construction Engineering Total** | | | | $ 74,000 | 75% | $ 55,500.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 2.5% | Mobilization | 1 | LS | 20,000.00 | $ 20,000.00 | 75% | $ 15,000.00 |
| 16 | 0.3% | Bonding | 1 | LS | 2,500.00 | $ 2,500.00 | 75% | $ 1,875.00 |
| 17 | 0.3% | Insurance | 1 | LS | 2,500.00 | $ 2,500.00 | 75% | $ 1,875.00 |
| 18 | 61.5% | Pump Station | 1 | LS | 500,000.00 | $ 500,000.00 | 75% | $ 375,000.00 |
| 19 | 6.2% | Supervisory Control & Data Acquisition System | 1 | LS | 50,000.00 | $ 50,000.00 | 75% | $ 37,500.00 |
| 20 | 0.6% | Fencing | 1 | LS | 5,000.00 | $ 5,000.00 | 75% | $ 3,750.00 |
| 21 | 4.3% | Connection to Existing Line | 1 | LS | 35,000.00 | $ 35,000.00 | 75% | $ 26,250.00 |
| 22 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 23 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 24 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 25 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 27 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | | **Construction Sub-Total** | | | | $ 615,000.00 | 75% | $ 461,250.00 |
| | 7.6% | **Allowable Contingency (10%)** | | | | $ 61,500.00 | 75% | $ 46,125.00 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 75% | $ - |
| | 83.3% | **Construction Total** | | | | $ 676,500.00 | 75% | $ 507,375.00 |
| | | Eligible Preconstruction | | | | $ 62,000.00 | 75% | $ 46,500.00 |
| | | Eligible Construction | | | | $ 750,500.00 | 75% | $ 562,875.00 |
| | | **Eligible Total** | | | | $ 812,500.00 | 75% | $ 609,375.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Total** | | | | $ - | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 812,500.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 812,500.00 | 75% | $ 609,375.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** Stutsman Rural Water District
**Project Title:** Booster Station No. 14 **Date:** January 5, 2026

**Explanation of Alternatives:**

Booster Pump Station - Installing a booster pump station to increase pressure to a large area of users in the southwestern portion of SRWD's service area. Low pressure in this area was confirmed both by SRWD's hydraulic model and by SRWD staff. The booster station would tie into an existing 6" line.
Do Nothing - Continued low-pressure would plague this portion of SRWD's service area. The hydraulic model suggests end users in this area are receiving less than 20 psi of water pressure during peak usage conditions. This would also limit SRWD's ability to add users in the future.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 30 |
| Current Connections Served | 2770 |
| Net Connections (New + Current) | 2770 |

| | |
|---|---|
| Current CIF Balance | $5,000,000 |
| Annual CIF Contribution | $800,000 |
| Cash Funding Target (Percentage %) New Assets | 25% |
| Cash Funding Target (Percentage %) Existing Asets | 50% |
| Annual CIF Contribution suggested for the Project | $22,236 |

| | Booster Pump Station | Do Nothing | | |
|---|---|---|---|---|
| Construction Cost | $812,500 | $0 | | |
| Annual O & M | $5,000 | $0 | | |

**Details:**

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Booster Pump Station | Do Nothing | | |
|---|---|---|---|---|
| Capital Costs | $801,000 | $0 | | |
| O&M | $129,000 | $0 | | |
| Repair, Rehab, Replacement | $1,133,000 | $0 | | |
| Salvage Value | $6,000 | $0 | | |
| **Total PVC** | **$2,057,000** | **$0** | | |
| | | | | |
| **PV Cost Per User** | **$743** | **$0** | | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$75** | | | |
| **Comparable Water Rate** | | **$77** | | | |
| Net Connections (New + Current) | | 2,770 | 2,770 | | |
| Cost-Share Percent | | 75% | 75% | | |
| | Local Share | $200,250 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $200,250 | $0 | | |
| **Payment Per User With Cost-Share** | | **$0.37** | **$0.00** | | |
| | Local Share | $801,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $801,000 | $0 | | |
| **Payment Per User Without Cost-Share** | | **$1.46** | **$0.00** | | |

**Explanation of Results:**

The sponsor preferred project is the “Booster Pump Station” option. The present value cost of the preferred alternative is $2,057,000 and $0 for the “Do Nothing” alternative for comparison. The capital expenditure cost for the preferred alternative is $801,000 and $7,688,000. The present value cost per user for the preferred alternative is $743. The monthly user cost of the local share with DWR 75% cost-share participation is $0.37 per month and $1.46 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/29/25

STUTSMAN RURAL WATER DISTRICT
701-252-7727
srwdistrict@daktel.com

December 23, 2025

RE: SWC Cost Share Application

Stutsman Rural Water District (SRWD) acknowledges its intent to apply for SWC Cost-Share funding for the Booster Station No. 14 project.

The SRWD Board of Directors discussed and approved the project during its July 15, 2025 board meeting. I have included the minutes of that meeting again for your convenience. The new Booster Station will alleviate low water pressure in a large portion of the southwest SRWD service area and will enable the water district to hook up new customers within that service area once completed.

Thank you for your consideration of this funding request.

Sincerely,

Geneva Kaiser

Geneva Kaiser
General Manager
Stutsman Rural Water District

Fax: 701-252-8711
1812 Hwy. 281 North
Jamestown, ND 58401

General Manager
Geneva Kaiser
genevasrwdistrict@daktel.com

Distribution Manager
Jesse Hewson
jessesrwdistrict@daktel.com

*Stutsman Rural Water District is an Equal Opportunity Provider and Employer*

The Stutsman Rural Water District Board of Directors meeting was called to order by President Dane Bollingberg on Tuesday, December 16, 2025 at 6:00 p.m. Board members present were Dane Bollingberg, Nathan Hochhalter, Terry Nieland, Tom Schultz, and Ron Wanzek. Katie Ryan Anderson and Joel Lees attended by phone conference. Manager Geneva Kaiser and Distribution Manager Jesse Hewson were also present.

The Board reviewed the minutes of the previous meeting. Terry moved, seconded by Nathan to approve the minutes of the November board meeting. A voice vote was called by President Bollingberg. Katie, aye; Dane, aye; Nathan, aye; Joel, aye; Tom, aye; Terry, aye; Ron, aye. There were no dissenting votes. Motion was approved.

Nathan moved, seconded by Tom to approve the Consent Agenda for December 16, 2025. A voice vote was called by President Bollingberg. Katie, aye; Dane, aye; Nathan, aye; Joel, aye; Tom, aye; Terry, aye; Ron, aye. There were no dissenting votes. Motion was approved.

Tom moved, seconded by Joel to approve the Regular board meeting agenda for December 16, 2025. A voice vote was called by President Bollingberg. Katie, aye; Dane, aye; Nathan, aye; Joel, aye; Tom, aye; Terry, aye; Ron, aye. There were no dissenting votes. Motion was approved.

Jesse reviewed the monthly water comparison chart. Monthly domestic water use was the same as last year at this time. The water purchased from Carrington was down slightly. DSA water purchased was up from last month and GRE water use was also up for the month.

The Board discussed the Booster #14 project and whether to finance or use reserves for the local share. Nathan moved and Joel seconded to submit the project to the NDDWR for cost share and to use reserve funds to pay for the local share. A voice vote was called by President Bollingberg. Katie, aye; Dane, aye; Nathan, aye; Joel, aye; Tom, aye; Terry, aye; Ron, aye. There were no dissenting votes. Motion was approved.

Discussion was held regarding the meeting schedule for 2026. A law change requires meeting dates to be posted 1 year in advance with the County Auditor. Meeting dates cannot be changed once posted, but meetings can be cancelled if there is no business to discuss. All meeting dates will remain the third Tuesday of each month except for November which will be held November 18th at 3:30 p.m. The Annual meeting will precede the regular meeting on November 18th at 2:00 p.m. Katie moved, seconded by Terry to approve the Board meeting dates for 2026.

Geneva presented the Manager's report.

The next regular board meeting will be January 20, 2026 at 6:00 p.m.

The meeting was adjourned at 6:45 p.m.

Respectfully submitted,
Ron Wanzek, secretary

Water Development Plan: Yes (2025)
Plan Priority: Low

DWR Date Received: 12/22/25
Revised: 12/30/25

J 10

# 1086810 - Watford City Park Avenue East Reconstruction

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 22, 2025 10:07 AM |
| **Initially Submitted By:** | Justin Smith |
| **Last Submit Date:** | Dec 30, 2025 9:35 AM |
| **Last Submitted By:** | Justin Smith |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Mr. (Salutation) Justin (First Name) Middle Name Smith (Last Name) |
| **Title:** | Engineer |
| **Email*:** | jusmith@nd.gov |
| **Address*:** | PO Box 494 |
| | Watford City (City) North Dakota (State/Province) 58854 (Postal Code/Zip) |
| **Phone*:** | (701) 570-0456 Ext. (Phone) ###-###-#### |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Watford City |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | |
| **Organization Website:** | |
| **Address*:** | PO Box 494 |

City of Watford City

Watford City North Dakota 58854-0000
City State/Province Postal Code/Zip

**Phone*:** (701) 444-8433 Ext.
###-###-####

**Fax:** ###-###-####

**Vendor ID:**

**PeopleSoft Supplier ID:**

**Comments:**

**Location Code:**

## Infrastructure Funding Request

***Infrastructure Funding Request***

**Project Name*:** Park Avenue East Reconstruction

**Sponsor(s)*:** City of Watford City

**County*:** McKenzie

**City*:** Watford City

**Description of Request*:** New

**Project Type:** Municipal Water Supply

**If Project is a Study, What Type?:**

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** Western Area Water Supply Authority

**Jurisdictions/Stakeholders Involved*:**

City of Watford City

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

This project area is one of the oldest sections of town with aging infrastructure that used antiquated materials (cast iron pipe, VCP sewer, etc.). This street section has experienced a multitude of water breaks and sewer breaks that have needed numerous point repairs over the last several years. Many sections of the sanitary sewer do not meet current requirements.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The City of Watford City is planning to reconstruct Park Avenue East by completing ADA improvements, updating sidewalk, installing consistent curb & gutter, storm water system piping and re-paving for the 2026 construction season. The city is also planning to replace the sewer and water lines on Park Avenue East, doing the water and sewer project at the same time as the street project will dramatically improve the financial feasibility and overall efficiency of resources to complete the needed project. Watford City's existing water main lines were constructed in the 1930's and these lines are outdated, scaling, and show signs of failure.

**Describe the Objectives or Goals Specific to This Application*:**

Replacing the existing, poorly functioning and aged infrastructure will allow the city to provide consistent and reliable services to its residents while reducing emergency maintenance expenses

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The project consists of replacing the existing 6 inch CIP watermain with 8 inch PVC, replacing 4 inch VCP sanitary sewer with 8 inch PVC, updating storm sewer, and providing 5 inches of asphalt over 8 inches of aggregate. All curb ramps will be updated to meet current ADA requirements along with updating deteriorated sidewalk.

For this project,

**Choose City, County, Water District or Other*:** City

**What is the Current Estimated Population?*:** 6250

For this project,

**What is the Benefited Population?*:** 830

**Have Assessment Districts Been Formed?*:** No

**Have Land or Easements Been Acquired?*:** No

**Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** No

**Are There Any Road Improvements Included as Part of the Project?*:** Yes

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

Conditions:
Water - 1937 cast iron - intermittent failures.
Sewer - partial new in 2008, remainder is private shared services.
Storm sewer - west 1/3 of the project has storm sewer. 1957 and 2008 install years.

**Have You Applied For Any Federal Permits?*:** No

**Have You Applied for any State Permits?*:** No

**Have You Applied for any Local Permits?*:** No

**Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** No

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** No

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** December 2021

**Design Completion*:** December 2025

**Bid*:** February 2026 February 6, 2026

**Construction Start*:** April 2026

**Construction Completion*:** August 2026

**Explain Additional Timeline Issues*:**

None expected

**Consulting Engineer*:** Brosz Engineering, Gayle Cox

**Engineer Direct Phone Number*:** 701-651-7457

| | |
|---|---|
| **Engineer Email*:** | gaylec@broszengineering.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Justin (First Name) Smith (Last Name) 11/24/2025 (Date) |
| **Title/Position/Authority*:** | City Engineer |
| **Address*:** | PO Box 494<br>Address Line 1<br>Address Line 2<br>Watford City (City) North Dakota (State) 58854-____ (Zip Code) |
| **Direct Phone Number*:** | 701-570-0456 |
| **Sponsor Email*:** | jusmith@nd.gov |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Phil (First Name) Riely (Last Name) |
| **Authorized Signor Title/Position:** | Mayor |
| **Authorized Signor Email:** | phil_riely@yahoo.com |
| **Authorized Signor Direct Phone Number:** | 701-570-4338 |
| **Provide the Name for One Additional Board Member, if Applicable:** | First Name Last Name |
| **Additional Board Member Title/Position:** | |
| **Additional Board Member Email:** | |
| **Additional Board Member Direct Phone Number:** | |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |

CLICK HERE to see examples.

| | |
|---|---|
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>*: | Park Ave Vicinity Map.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | 2025-09-02 Minutes.pdf |
| **Cover Letter:** | signed Cover Letter Park Avenue Reconstruction.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 16_sfn_61801_delineation_of_cost - ParkAveEast.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | WC26-CPARKAVEE_FinalPlans_Stamped.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

| | |
|---|---|
| **Life Cycle Cost Analysis:** | life_cycle_cost_analysis_worksheet Park Ave East Reconstruction.xlsx |

CLICK HERE for SFN 62417 Basic Asset Inventory Tool and Current Version.

| | |
|---|---|
| **Asset Inventory Assessment:** | Watford City - sfn_62417_basic_asset_inventory_tool Park Ave E.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | 19_20250303_151621.jpg |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | DWR_Quantities.xlsx |
| **Other Applicable Document:** | Opinion of CostEntirety.xlsx |

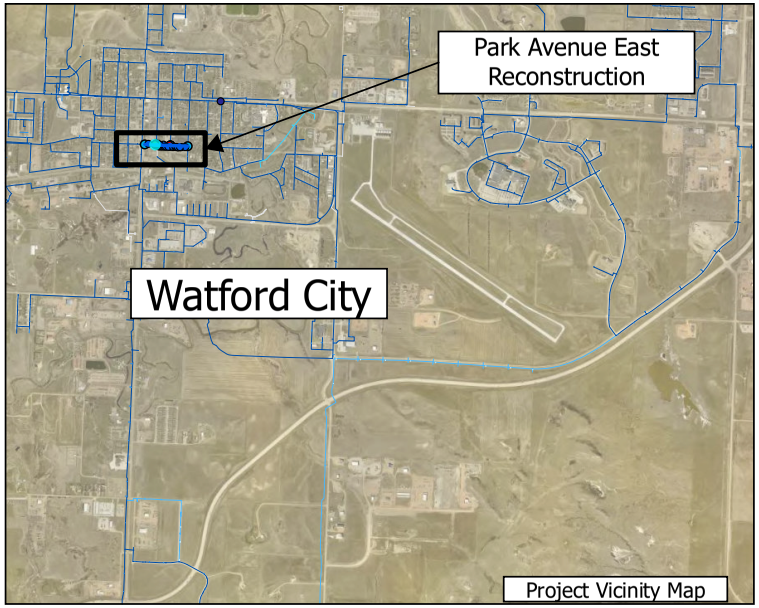
**Other Applicable Document:**

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Other | City General Funds and Oil & Gas Production Tax | Already Approved | $2,186,233.00 | $0.00 | $0.00 | $2,186,233.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $551,622.00 | $0.00 | $0.00 | $551,622.00 | Grant | 0.00 | 0.00 |
| | | | **$2,737,855.00** | **$0.00** | **$0.00** | **$2,737,855.00** | | | |







## Legend

- ParkAveE-GV
- ParkAveE-FH
- ParkAveE-CS
- added gate valves
- added fire hydrants
- Park added WM
- ParkAveE-WM

N

FOR INFORMATIONAL PURPOSES ONLY

# CITY OF WATFORD CITY

Watford City, North Dakota

Location Map

DRAFTED
JWS

DATE
12/18/2025

Watford City
North Dakota

Note: Any reliance upon this map is at user's own risk. Watford City does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (7/2024)

DWR Date Received :

| | |
|---|---|
| **Project:** | Watford City Park Ave East Project |
| **Sponsor:** | City of Watford City |
| **Contact:** | Justin Smith, Public Works Superintendent |
| **Phone:** | 701-444-2533 |
| **Engineer:** | Gayle Cox, Brosz Engineering |
| **Phone:** | 701-842-3526 |

| | |
|---|---|
| **Total Cost :** | $ 2,737,855 |
| **Ineligible Cost :** | $ 1,818,484 |
| **Eligible Cost :** | $ 919,371 |
| **Local Cost :** | $ 2,186,233 |

**Date:** December 17, 2025

| | Cost-Share $ |
|---|---|
| **Preconstruction :** | $ - |
| **Construction :** | $ 551,622 |

| Project Type: | Cost-share % |
|---|---|
| Municipal Water Supply | 60% |

| Item | % | Cost Classification | Quantities | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ * |
|---|---|---|---|---|---|---|---|---|
| | | **Construction Costs** | | | | | | |
| 1 | 8.9% | Mobilization | 1 | LS | 75,000.00 | $ 75,000 | 60% | $ 45,000 |
| 2 | 1.4% | Bonding | 1 | LS | 12,000.00 | $ 12,000 | 60% | $ 7,200 |
| 3 | 0.0% | Insurance | 1 | LS | | $ - | 60% | $ - |
| 4 | 2.1% | Gate - Remove | 12 | EA | 1,500.00 | $ 18,000 | 60% | $ 10,800 |
| 5 | 2.5% | Gate Valve | 5 | EA | 4,200.00 | $ 21,000 | 60% | $ 12,600 |
| 6 | 5.0% | Gate Valve | 6 | EA | 7,000.00 | $ 42,000 | 60% | $ 25,200 |
| 7 | 0.8% | Water Main 6 in | 63 | LF | 100.00 | $ 6,300 | 60% | $ 3,780 |
| 8 | 16.4% | Water Main 8 in | 1148 | LF | 120.00 | $ 137,760 | 60% | $ 82,656 |
| 9 | 0.4% | Hydrant - Remove | 1 | EA | 3,000.00 | $ 3,000 | 60% | $ 1,800 |
| 10 | 1.0% | Curb and Gutter | 120 | LF | 73.00 | $ 8,760 | 60% | $ 5,256 |
| 11 | 0.0% | Seeding | 1 | EA | 300.00 | $ 300 | 60% | $ 180 |
| 12 | 3.8% | Road Repair | 708 | TON | 45.00 | $ 31,860 | 60% | $ 19,116 |
| 13 | 5.1% | Road Repair | 472 | TON | 90.00 | $ 42,480 | 60% | $ 25,488 |
| 14 | 1.8% | Road Repair | 28 | TON | 550.00 | $ 15,400 | 60% | $ 9,240 |
| 15 | 0.8% | Traffic Control | 1 | EA | 6,440.00 | $ 6,440 | 60% | $ 3,864 |
| 16 | 0.8% | Sidewalk - Remove and Replace | 66 | SY | 105.00 | $ 6,930 | 60% | $ 4,158 |
| 17 | 3.5% | Hydrant | 2 | EA | 14,500.00 | $ 29,000 | 60% | $ 17,400 |
| 18 | 9.6% | Water Service Line | 464 | LF | 174.05 | $ 80,759 | 60% | $ 48,456 |
| 19 | 6.8% | Connection to Existing Line | 6 | EA | 9,500.00 | $ 57,000 | 60% | $ 34,200 |
| 20 | 3.3% | Connection to Existing Line | 14 | EA | 2,000.00 | $ 28,000 | 60% | $ 16,800 |
| 21 | 6.0% | Pipeline Appurtenances | 5 | EA | 10,000.00 | $ 50,000 | 60% | $ 30,000 |
| 22 | 1.4% | Pipeline Appurtenances | 1 | EA | 12,000.00 | $ 12,000 | 60% | $ 7,200 |
| 23 | 2.0% | Water Service Line | 14 | EA | 1,200.00 | $ 16,800 | 60% | $ 10,080 |
| 24 | 2.4% | Road Repair | 1700 | SY | 12.00 | $ 20,400 | 60% | $ 12,240 |
| 25 | 5.0% | Other Services Provided By Contractor | 1675 | LF | 25.00 | $ 41,875 | 60% | $ 25,125 |
| 26 | 0.0% | | | | | $ - | 60% | $ - |
| | | | | | | | | |
| | | **Construction Sub-Total** | | | | $ 763,064 | 60% | $ 457,839 |
| | 10.0% | **Contingency** | | | | $ 76,306 | 60% | $ 45,784 |
| | 30.7% | **Construction Total** | | | | $ 839,371 | 60% | $ 503,622 |
| | | **Preconstruction Costs** | | | | | | |
| 27 | 0.0% | | | | | $ - | 60% | $ - |
| 28 | 0.0% | | | | | $ - | 60% | $ - |
| 29 | 0.0% | | | | | $ - | 60% | $ - |
| 30 | 0.0% | | | | | $ - | 60% | $ - |
| 31 | 0.0% | | | | | $ - | 60% | $ - |
| | 0.0% | **Preconstruction Total** | | | | $ - | 60% | $ - |
| | | **Construction Engineering Costs** | | | | | | |
| 32 | 7.1% | Construction Contract Management | 1 | LS | 60,000.00 | $ 60,000 | 60% | $ 36,000 |
| 33 | 2.4% | Other Construction Engineering | 1 | LS | 20,000.00 | $ 20,000 | 60% | $ 12,000 |
| 34 | 0.0% | | | | - | $ - | 60% | $ - |
| 35 | 0.0% | | | | - | $ - | 60% | $ - |
| 36 | 0.0% | | | | - | $ - | 60% | $ - |
| | 2.9% | **Construction Engineering Total** | | | | $ 80,000 | 60% | $ 48,000 |
| | | **Other Eligible Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 41 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **In-eligible Costs** | | | | | | |
| 42 | 49.8% | Street and Sewer Construction | 1 | LS | 1,363,735.00 | $ 1,363,735 | 0% | $ - |
| 43 | 4.8% | Other Construction Engineering | 1 | LS | 132,680.00 | $ 132,680 | 0% | $ - |
| 44 | 6.8% | Other Preconstruction Engineering | 1 | LS | 185,695.00 | $ 185,695 | 0% | $ - |
| 45 | 5.0% | Other Construction | 1 | LS | 136,374.00 | $ 136,374 | 0% | $ - |
| | 66.4% | **Other Ineligible Total** | | | | $ 1,818,484 | 0% | $ - |
| | 100.0% | | | | **Total** | $ 2,737,855 | | |
| | | | | | **Eligible Total** | $ 919,371 | 60% | $ 551,622 |
| | | | | | **Federal or State Funds That Supplant Costs** | $ - | | |
| | | | | | **Eligible Cost Total** | $ 919,371 | 60% | $ 551,622 |

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Watford City
**Project Title:** Park Avenue East Reconstruction **Date:** December 29, 2025

**Explanation of Alternatives:**

Watermain Replacement (Preferred) - Replace the existing water distribution infrastructure (asbestos concrete mains and copper services) with a new distribution system including PVC water mains, HDPE water services, valves, curb stops, fire hydrants, a small section of sewer mains, approximately 900 ft of new water main, and pavement repair where damaged by the project. This area sustained four water main breaks in the last two years.
Do Nothing - Doing nothing will likely present the users with intermittent water outages due to water main breaks. Based on history, outages are expected to become more frequent as the AC pipe continues to deteriorate.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 18 |
| Net Connections (New + Current) | 18 |

| | |
|---|---|
| Current CIF Balance | |
| Annual CIF Contribution | |
| Cash Funding Target (Percentage %) New Assets | |
| Cash Funding Target (Percentage %) Existing Asets | |
| Annual CIF Contribution suggested for the Project | |

| | Watermain Replacement | Do Nothing | Regionalization | |
|---|---|---|---|---|
| Construction Cost | $924,200 | $0 | $0 | |
| Annual O & M | $3,870 | $7,245 | $0 | |

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Watermain Replacement | Do Nothing | Regionalization | |
|---|---|---|---|---|
| Capital Costs | $924,000 | $0 | $0 | |
| O&M | $102,000 | $200,000 | $0 | |
| Repair, Rehab, Replacement | $203,000 | $0 | $0 | |
| Salvage Value | $40,000 | $0 | $0 | |
| **Total PVC** | **$1,189,000** | **$200,000** | $0 | |
| | | | | |
| **PV Cost Per User** | **$66,056** | **$11,111** | **$0** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$53** | | | |
| **Comparable Water Rate** | | **$50** | | | |
| Net Connections (New + Current) | | 18 | 18 | 18 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $369,600 | $0 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $369,600 | $0 | $0 | |
| **Payment Per User With Cost-Share** | | **$103.87** | **$0.00** | **$0.00** | |
| | Local Share | $924,000 | $0 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $924,000 | $0 | $0 | |
| **Payment Per User Without Cost-Share** | | **$259.69** | **$0.00** | **$0.00** | |

**Explanation of Results:**

The sponsor preferred project is the “Watermain Replacement” option. The present value cost of the preferred alternative is $1,189,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $200,000. The present value cost per user for the preferred alternative is $66,056. The monthly user cost of the local share with DWR 60% cost-share participation is $104 per month and $260 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2020 | | |
| Population & Trends | 1,744 | 6,207 | 25.6% | 446 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/22/25

**City of Watford City**
213 2nd St., NE | PO Box 494
Watford City, ND 58854
Ph 701-444-2533
Fax 701-444-3004
www.cityofwatfordcity.gov

December 18th, 2025

Department of Water Resources
Attn: Reice Haase, Director
1200 Memorial Highway
Bismarck, ND 58504

RE: Watford City Park Avenue East Reconstruction Tier II Application Cover Letter

Dear Mr. Haase,

On September 2nd, the Watford City City Council approved requesting a cost share with Water Resources for the Park Avenue East Reconstruction Project.

This project will replace approximately 1,200 feet of cast iron water mains, services, valves, and appurtenances in the central part of town. The project will also reconstruct approximately 1,100 feet of Park Avenue including replacing sanitary and storm sewer. This project is being completed due to multiple water main breaks in the last ten years, sanitary sewer backups in the vicinity of 4th Street, and an open storm sewer ditch in the vicinity of 2nd Street.

Please contact Justin Smith anytime with questions at jusmith@nd.gov or 701-570-0456.

Thank you,

Phil Riely
**City of Watford City**
Mayor

DWR Date Received : 12/22/25

CITY OF WATFORD CITY
CITY COUNCIL MEETING
September 2, 2025

Minutes of the regular City Council meeting held on September 2, 2025, at 6:00 p.m. at City Hall. Present were Mayor Riely and Council Members Bethany Devlin, Lance Renville, Steve Sanford, Shilo Chavez, Carissa Suter, and Chelsea Bulzomi. Also present was City Administrator Curt Moen, City Attorney Wyatt Voll, and City Auditor Peni Peterson. Mayor Riely called the meeting to order with the Pledge of Allegiance.

Council Member Devlin moved to approve the September 2, 2025, meeting agenda, as presented. Motion seconded by Council Member Suter and carried unanimously.

No public was present for the Public Comment Period.

Council Member Suter moved to approve the minutes of the city council meeting held August 4, 2025. Motion seconded by Council Member Renville and carried unanimously.

Greg Richens gave an update on the Rough Rider Center.

Tony Carmichael & Travis Rodenhizer gave an update on the Fox Hills Golf Course.

Police Chief Wellen gave an update on the police department.

Council Member Chavez moved to approve the MOU between McKenzie County Community Coalition and Watford City Police Department. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Devlin, Chavez, Bulzomi, Suter, Sanford, and Renville; nays: none.

Council Member Bulzomi moved to approve the Watford City Back the Blue Grant FY25-27. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Renville, Sanford, Chavez, Bulzomi, Suter, and Devlin; nays: none.

Council Member Chavez moved to approve the 2025-2026 SRO MoU between McKenzie County Public School Dist #1 and Watford City Police Department. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Chavez, Sanford, Suter, Devlin, Bulzomi, and Renville; nays: none.

Council Member Renville moved to approve the recommendations from the Planning Commission meeting held August 25, 2025 approving a Land Use Application – Zone Change submitted by IYL Investments, LLC and a Land Use Application – Zone Change submitted by Craig & Julie Nelson. Motion seconded by Council Member Chavez and carried by the following roll call vote: ayes: Devlin, Sanford, Bulzomi, Suter, Renville, and Chavez; nays: none.

Council Member Renville moved to approve the First Reading on an Ordinance Amending Section 8-1310 of Article 13 of Chapter 8 - Relating to Stopping - Parking Over 48 Hours. Motion seconded by Council Member Suter and carried unanimously.

Council Member Renville moved to approve the Second Reading of Ordinance No. 688 Adding Article 5 of Chapter 7 - Relating to Canada Geese Hunting. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Devlin, Renville, Sanford, Bulzomi, Suter, and Chavez; nays: none.

Council Member Renville moved to approve Resolution 2025-18 Canada Geese Hunting Program. Motion seconded by Council Member Suter and carried by the following roll call vote: Sanford, Suter, Chavez, Devlin, Renville, and Bulzomi; nays: none.

Council Member Renville moved to approve the Second Reading of Ordinance No. 686 Amending Section 8-2903 Penalty (Golf Cart). Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Chavez, Sanford, Devlin, Bulzomi, Suter, and Renville; nays: none.

Council Member Renville moved to approve the Permitted Golf Cart Routes Map. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Devlin, Sanford, Bulzomi, Renville, Chavez; and Suter; nays: none.

Council Member Renville moved to approve the Second Reading of Ordinance No. 687 Amending Section 8-1304 of Article 13 - Relating to Stopping, Standing, or Parking Prohibited in Specified Places. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Suter, Bulzomi, Renville, Devlin, Chavez, and Sanford; nays: none.

Council Member Renville moved to approve the Second Reading of Ordinance No. 689 Amending Section 6-802 of Article 8 of Chapter 6 - Relating to Contractor License Required. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Devlin, Sanford, Bulzomi, Renville, Chavez, and Suter; nays: none.

Council Member Renville moved to approve the First Reading on an Ordinance Adding Article 18 of Chapter 4 - Relating to Camping on Public Property. Motion seconded by Council Member Suter and carried unanimously.

Council Member Devlin moved to approve the September employee annual step increases: Greg Richins E-6; Justin McQuistion J-6; Dylan Larsen K-3; Jason Papineau G-3. Motion seconded by Council Member Bulzomi and carried unanimously.

Council Member Devlin moved to approve a quote from SP&E in the amount of $8,010 for RRC arena bleacher repairs. Motion seconded by Council Member Chavez and carried by the following roll call vote: Renville, Bulzomi, Sanford, Devlin, Suter, and Chavez; nays: none.

Council Member Devlin moved to approve the requests from the Community Development Department approving up to $10,000 for video equipment and up to $5,000 for pre-game programing and supporting the WCHS production team. Motion seconded by Council Member Bulzomi and

carried by the following roll call vote: ayes: Chavez, Renville, Bulzomi, Devlin, Suter, and Sanford; nays: none.

Council Member Devlin moved to approve the August 2025 GPT allocations totaling $1,843,7500: 1000 General Operating $860,000; 2010 Road Fund $235,000; 2080 Cemetery $5,500; 2240 RRC Operating $108,333.33; 2240 RRC Deferred Maintenance $8,333.33; 2245 Fox Hills Golf Course $72,916.67; 2260 Fire Truck Replacement $20,000; 2290 Vehicle Replacement Fund $50; 2310 Vector & Weed $8,333.33; 3010 G.O. Hwy Bonds $4,600; 3050 Oil & Gas Bonds $11,000; 3075 RRC Bond $541,666.67; 4005 Capital Improvement $96,400; 5020 Sewer Bonds $120,000. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Suter, Renville, Bulzomi, Devlin, Chavez, and Sanford; nays: none.

Council Member Devlin moved to reinvest the following investment maturities for a 1-year term: Rough Rider Fund $500,000; Rough Rider Fund $133,000; Water Enterprise Fund $3,000,000; General Fund $358,000; GPT Budget Stabilization Fund $1,400,000; Rough Rider Budget Stabilization Fund $2,500,000; 2015 RRC Bond Surplus $2,500,000; 2015 SID Bonds $2,600,000; Fire Facility Fund $300,000. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Suter, Sanford, Bulzomi, Devlin, and Renville; nays: none. Abstain: Chavez.

Council Member Bulzomi moved to approve the recommendation from the Roughrider Fund Committee for approval of the Build Grant Application submitted by Watford City EDC in the amount of $5,500. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Devlin, Chavez, Suter, Bulzomi, Sanford, and Renville; nays: none.

Council Member Bulzomi moved to approve the recommendation from the Roughrider Fund Committee Build for approval of the Build Grant Application submitted by SBDC, Region #1 – Williston State College in the amount of $20,000. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Renville, Bulzomi, Devlin, Chavez, Suter, and Sanford; nays: none.

Council Member Bulzomi moved to approve the recommendation from the Roughrider Fund Committee for approval of the Business Startup Forgivable Loan Application submitted by the A.M. Lux Business in the amount of $5,000. Motion seconded by Council Member Chavez and carried by the following roll call vote: ayes: Sanford, Suter, Renville, Devlin, Bulzomi, and Chavez; nays: none.

Council Member Bulzomi moved to recommend the Vector Department apply for an EAB Preparedness Grant. Motion seconded by Council Member Devlin and carried unanimously.

Council Member Bulzomi moved to approve Mayor Riely's appointment of Katie Walters to Vector/Pest Board to fulfill a 2-year term until June 30, 2027. Motion seconded by Council Member Devlin and carried unanimously.

Council Member Devlin moved to approve Resolution No. 2025-19 - Resolution Supporting the Future Interstate Feasibility Study for Heartland Expressway, Theodore Roosevelt Express, and Portion of Ports-to-Plains High Priority Corridors. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Bulzomi, Devlin, Suter, Renville, Chavez, and Sanford; nays: none.

Council Member Suter moved to approve Resolution No. 2025-20 - Resolution Supporting Future Interstate Designation for Heartland Expressway, Theodore Roosevelt Expressway, and a Portion for Ports-to-Plains High Priority Corridors and Numbering Future Interstate Segments. Motion seconded by Council Member Sanford and carried by the following roll call vote: ayes: Chavez, Sanford, Devlin, Renville, Bulzomi, and Suter; nays: none.

Council Member Devlin moved to approve Resolution No. 2025-21 Resolution Supporting the Future Interstate Highway Formula Program. Motion seconded by Council Member Sanford and carried by the following roll call vote: ayes: Sanford, Suter, Devlin, Renville, Bulzomi, and Chavez; nays: none.

Council Member Chavez moved to approve Pay Application #24 from Construction Engineers, Inc (Watford City New Public Work Facility) in the amount of $51,920.40. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Bulzomi, Devlin, Suter, Renville, Chavez, and Sanford; nays: none.

Council Member Sanford moved to approve Pay Application #5(final) from BEK Consulting (10th Ave NE Reconstruction) in the amount of $22,226.64. Motion seconded by Council Member Chavez and carried by the following roll call vote: ayes: Chavez, Sanford, Devlin, Renville, Bulzomi, and Suter; nays: none.

Council Member Chavez moved to award the Main Street Downtown Redevelopment Area 2 Architectural Services Contract to ICON Architectural Group. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Suter, Renville, Sanford, Chavez, Bulzomi, and Devlin; nays: none.

Council Member Bulzomi moved to advertise for 4$^{th}$ Ave NE and 12$^{th}$ St NE Sidewalk Design and Construction Engineering. Motion seconded by Council Member Suter and carried unanimously.

Council Member Sanford moved to approve an Agreement for Engineering Services with TD&H in the amount of $1,386. Motion seconded by Council Member Renville and carried by the following roll call vote: ayes: Bulzomi, Devlin, Suter, Renville, Chavez, and Sanford; nays: none.

Council Member Chavez moved to approve Amendment No. 1 to Task Order No. 5 from Bartlett & West, Inc (Master Services Agreement for Professional Services) in the amount of $11,000. Motion seconded by Council Member Bulzomi and carried by the following roll call vote: ayes: Chavez, Sanford, Devlin, Renville, Bulzomi, and Suter; nays: none.

Council Member Suter moved to approve Change Order No. 1 from Martin Construction, Inc. (Watford City WRRF 2025 Improvements) in the amount of $10,000. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Suter, Devlin, Sanford, Chavez, Bulzomi, and Renville; nays: none.

Council Member Bulzomi moved to approve the Park Ave East and 2026 Water Main Replacement DWR Grant Application. Motion seconded by Council Member Suter and carried by the following roll call vote: ayes: Bulzomi, Devlin, Suter, Renville, Chavez, and Sanford; nays: none.

Council Member Suter moved to approve the 2025 Norsk Hostfest Corporate Sponsorship Agreement. Motion seconded by Council Member Devlin and carried by the following roll call vote: ayes: Chavez, Sanford, Devlin, Renville, Bulzomi, and Suter; nays: none.

Attorney Voll gave an update on the Treloar and Burke lawsuit.

Council Member Sanford moved to approve the bills as listed. Motion seconded by Council Member Renville and carried unanimously. Aflac $5,809.40; BCBS of ND $111,761.69; EFTPS $149,444.66; Nationwide Financial $2,378.28; Nationwide Retirement Solutions $5,955.18; ND Fraternal Order of Police $459.00; NDPERS-Def Comp $10,398.32; Payroll $410,917.13; Symetra Life Insurance $1,326.54; TASC $6,444.58; Wolf Run Village Inc. $1,650.00; Accusource $150.00; Advanced Elements $31,225.94; Agri Industries $440.20; Alexander After Prom Committee $3,000.00; Aliengear Holsters $982.74; Andrew Schatz $304.96; Andrew Swanson $125.00; Arbor Day Foundation $504.00; Armor Interactive $28,166.54; Astro Chem Service $50.00; Badlands Hardware $516.13; Badlands Occupational Testing $350.00; Bakken Occupational Health $110.00; Balco Uniform $2,119.63; Bank of North Dakota $1,147,112.50; BEK Consulting $41,025.14; Brady's Towing & Recovery $1,190.00; Brock White $913.51; C&D Water Services $72.00; CDW Government $176.22; CIM Sanitary Tech $6,950.00; City Bar $13,200.00; City of Watford City $16,410.38; Clarke Mosquito Control $133.56; Code Red Towing $950.00; Cole Papers $765.90; Construction Engineers $51,920.40; Cordova Construction $53,491.50; Core & Main $30,785.84; Country Inn & Suites $110.00; Craig's Small Engine $1,777.68; Dakota Supply Group $3,800.00; Dean Anderson $2,285.00; Ecolab Pest Elim. $143.78; Electro Watchman $648.00; Elevon Group $647.50; Elite Cabinets & Building $222.49; Farmers Union Oil $12,432.05; Fastenal $1,381.59; First International Insurance $247,377.00; Fleetmind Seon Solutions $9,692.03; Galls $3,095.09; Greenhaw Flooring $700.00; Hansen Diesel & Automotive $3,395.67; Hawkins $3,013.31; Heggen Equipment $322.09; Holiday Inn Express – Minot $297.00; Hurley Enterprises $625.00; IDI $43.85; Industrial Chem Labs & Services $577.65; Information Technology Dept. $5,695.50; InSource Solutions Group $12,036.00; Jack & Jill $209.02; Jared Reeves $137.00; JJ Electric $1,158.27; Johnson Controls

$3,850.00; Johnson Controls Fire Protection $384.00; JP Morgan Chase Bank $9,517.12; KO Safety Services $1,220.00; Landscape Elements $52,112.46; Language Link $17.33; Legendary Adventures New Discoveries $15,000.00; Level Up Enterprises $7,129.60; Lund Oil $3,485.39; Lycox Enterprises $2,390.00; Marco Technologies $2,607.89; McKenzie County Farmer $2,420.31; McKenzie County Healthcare $638.56; McKenzie County Hockey Club $38,500.00; McKenzie County Landfill $26,199.20; McKenzie County Road & Bridge $5,032.50; McKenzie County Water Resource $217,444.00; McKenzie Electric $9,644.00; Meuchel Enterprises $11.00; Mizuno USA Inc $245.58; MDU $19,435.84; Motorola Solutions $215.31; MTI Distributing $1,250.70; MVTL Laboratories $2,397.00; National Tactical Officers $50.00; NCL of Wisconsin $419.89; ND League of Cities $550.00; ND Office of State Tax $9,081.10; ND Water Users Assoc. $325.00; Norsk Hostfest $3,000.00; Northern Heavy Duty Truck Parts $163.09; Northern Pump & Compression $228.75; ODP Business Solutions $874.30; Office Sign Company $144.00; OK Implement $1,199.28; OK Tire Stores $1,174.39; One Call Concepts $189.85; Ports-to-Plains Alliance $1,000.00; PNC Equipment Finance $23,500.00; PYE-Barker $6,152.00; Quality Quick Print $40.00; RDO Trust $31.26; Record Keepers $27.50; Reservation Telephone $4,316.00; Rough Rider Center $67,763.04; Shannon Wellen $144.00; Sherwin-Williams $1,027.50; Six Shooters $6,469.30; SRF Consulting $507.38; Stein's $277.64; Stephanie Packer $219.23; Swanston Equipment $1,710.52; Swenson HVAC $3,015.00; T&E Power Systems $138.00; Tahlia Norman $130.00; Taylor Made Golf Company $683.24; Tecta America Dakotas $1,967.64; The Good Kids $10,000.00; TD&H Engineering $5,262.00; Tenet $35.00; The Tessman Company $1,420.08; Thiel Brothers Roofing $1,153.57; Timeclock Plus $3,747.65; Tire-Rama Glendive $3,937.28; Titanium Plumbing $1,555.42; Tri-Tech Forensics $12,314.64; Triple 7 Oilfield Rentals $423.00; Turf Solutions $284.40; Valli Information $1,113.34; Van Diest Supply Company $16.625.30; Verizon Wireless $3,456.44; Versatile Vehicles $461.19; Visa $2,130.32; Watford City Economic Development $5,500.00; Watford City Fire Department $29,174.29; Watford City Park District $2,713.28; Watford City Veterinary Clinic $922.51; Western Dakota Energy $125.00; Westlie Truck Center $849.24; WEX Bank $2,238.75; WSC – Small Business Development $20,000.00; Wolf Run Village I $7,770.62; Wolf Run Village II $37,229.39.

Information:
Monday, September 22 @ 5:15 pm - Special City Council Meeting (Final Budget Hearing)
Monday, October 13 @ 6:00 pm - Regular October City Council Meeting
League of Cities Annual Conference in Bismarck - Sept 17th - 19th

The next regularly scheduled City Council meeting will be on Monday, October 13, 2025, at 6:00 p.m. at City Hall.

There being no further business, the meeting was adjourned at 6:44 p.m. These minutes are published subject to the City Council's Review and Revision pursuant to NDCC 40-01-09.

_____ _____

Peni Peterson, City Auditor Philip K. Riely, Mayor

Water Development Plan: Yes (2025)
Plan Priority: Low

DWR Date Received: 10/27/25
Revised: 12/15/25

J 11

# 1086530 - Elgin East Side Watermain Improvements

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Oct 27, 2025 1:22 PM |
| **Initially Submitted By:** | Reva Weekes |
| **Last Submit Date:** | Dec 15, 2025 4:01 PM |
| **Last Submitted By:** | Reva Weekes |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | Yes |
| **Type:** | External User |
| **Name:** | Salutation: Melissa (First Name) Middle Name: Rotzien (Last Name) |
| **Title:** | |
| **Email*:** | melissa.rotzien@mooreengineeringinc.com |
| **Address*:** | 4503 Coleman Street, Suite 105 |
| | Bismarck (City) North Dakota (State/Province) 58503 (Postal Code/Zip) |
| **Phone*:** | 701-751-8374 Ext. (Phone ###-###-####) |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Elgin |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | |
| **Organization Website:** | |
| **Address*:** | 305 N Main St |

| | |
|---|---|
| | Elgin North Dakota 58533-7109<br>City State/Province Postal Code/Zip |
| **Phone*:** | (701) 584-3001 Ext.<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | |
| **Comments:** | |
| **Location Code:** | |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | East Side Watermain Improvements |
| **Sponsor(s)*:** | City of Elgin |
| **County*:** | Grant |
| **City*:** | Elgin |
| **Description of Request*:** | New |
| **Project Type:** | Municipal Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Southwest Water Authority |

**Jurisdictions/Stakeholders Involved*:**

City of Elgin and its residents are affected by water system improvements.

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The city of Elgin has failing ACP water main spanning over 9 blocks which they intend to replace. The ACP water main is not an acceptable material for water main according to 10 States Standards. The sewer main within Elgin is primarily clay tile piping. The worst areas were repaired with previous projects; remaining sewer to be addressed in this project.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The project consists of replacing the ACP water main and rehabilitating the sewer main. The ACP cannot be removed from the ground without additional safety precautions therefore it will be abandoned in place. The entirety of the city's sewer main will be rehabilitated with Cured-In-Place Pipe (CIPP) liner to make it last another 50 years. All curbstops and hydrants in the water project vicinity will be replaced as well.

**Describe the Objectives or Goals Specific to This Application*:**

The city of Elgin has failing ACP water main spanning over 9 blocks which they intend to replace. The ACP water main is not an acceptable material for water main according to 10 States Standards. The sewer main within Elgin is primarily clay tile piping. The worst areas were repaired with previous projects; remaining sewer to be addressed in this project.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The project consists of replacing the ACP water main and rehabilitating the sewer main. The ACP cannot be removed from the ground without additional safety precautions therefore it will be abandoned in place. The entirety of the city's sewer main will be rehabilitated with Cured-In-Place Pipe (CIPP) liner to make it last another 50 years. All curbstops and hydrants in the water project vicinity will be replaced as well.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 543 |

For this project,

| | |
|---|---|
| **What is the Benefited Population?*:** | 543 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | Yes |

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

Water distribution system: existing ACP water main, installed approximately 1955, or earlier. Utility is included in the project's improvements. Sanitary sewer collection system: existing VCP sewer main, installed approximately 1930-1960. Utility is included in the project's improvements.

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | 11/1/2024 |
| **Design Completion*:** | 2/1/2025 |
| **Bid*:** | 11/6/2025 |
| **Construction Start*:** | 4/15/2026 |
| **Construction Completion*:** | 11/20/2026 |

**Explain Additional Timeline Issues*:**

Weather Delays

| | |
|---|---|
| **Consulting Engineer*:** | AJ Tuck, PE, Moore Engineering |
| **Engineer Direct Phone Number*:** | 701-751-8371 |
| **Engineer Email*:** | aj.tuck@mooreengineeringinc.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Reva (First Name) Weekes (Last Name) 12/04/2025 (Date) |
| **Title/Position/Authority*:** | City Auditor |
| **Address*:** | 305 Main St N<br>Address Line 1<br>PO Box 426<br>Address Line 2<br>Elgin (City) North Dakota (State) 58533-0426 (Zip Code) |
| **Direct Phone Number*:** | 701-584-3001 |
| **Sponsor Email*:** | cityofelgin@westriv.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Ronald (First Name) Bartz (Last Name) |
| **Authorized Signor Title/Position:** | Mayor |
| **Authorized Signor Email:** | mayorofelgin@westriv.com |
| **Authorized Signor Direct Phone Number:** | 701-584-3150 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Robert (First Name) Mead (Last Name) |
| **Additional Board Member Title/Position:** | Council President |
| **Additional Board Member Email:** | robertmead@gooseneckimp.com |
| **Additional Board Member Direct Phone Number:** | 701-891-8184 |

## Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:**<br>CLICK HERE **to see examples.** | No |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | 24195_Elgin_Exhibit_20251017.pdf |

| | |
|---|---|
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

| | |
|---|---|
| **Minutes:** | Minutes_Elgin_20250904.pdf |
| **Cover Letter:** | 24195_Elgin_CoverLetter_20251022_Signed.pdf |
| **Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** | No |

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

| | |
|---|---|
| **Delineation of Costs SFN 61801:** | 24195_Elgin_Delineation_20251114.xlsx |
| **Type of Request:** | Construction |
| **Signed Plans and Specifications For Bidding:** | 24195_BiddingManual_20251015.pdf |
| **Is This a Water Supply Project?:** | Yes |

CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

| | |
|---|---|
| **Life Cycle Cost Analysis:** | 24195_Elgin_LCCA_20251114.xlsx |

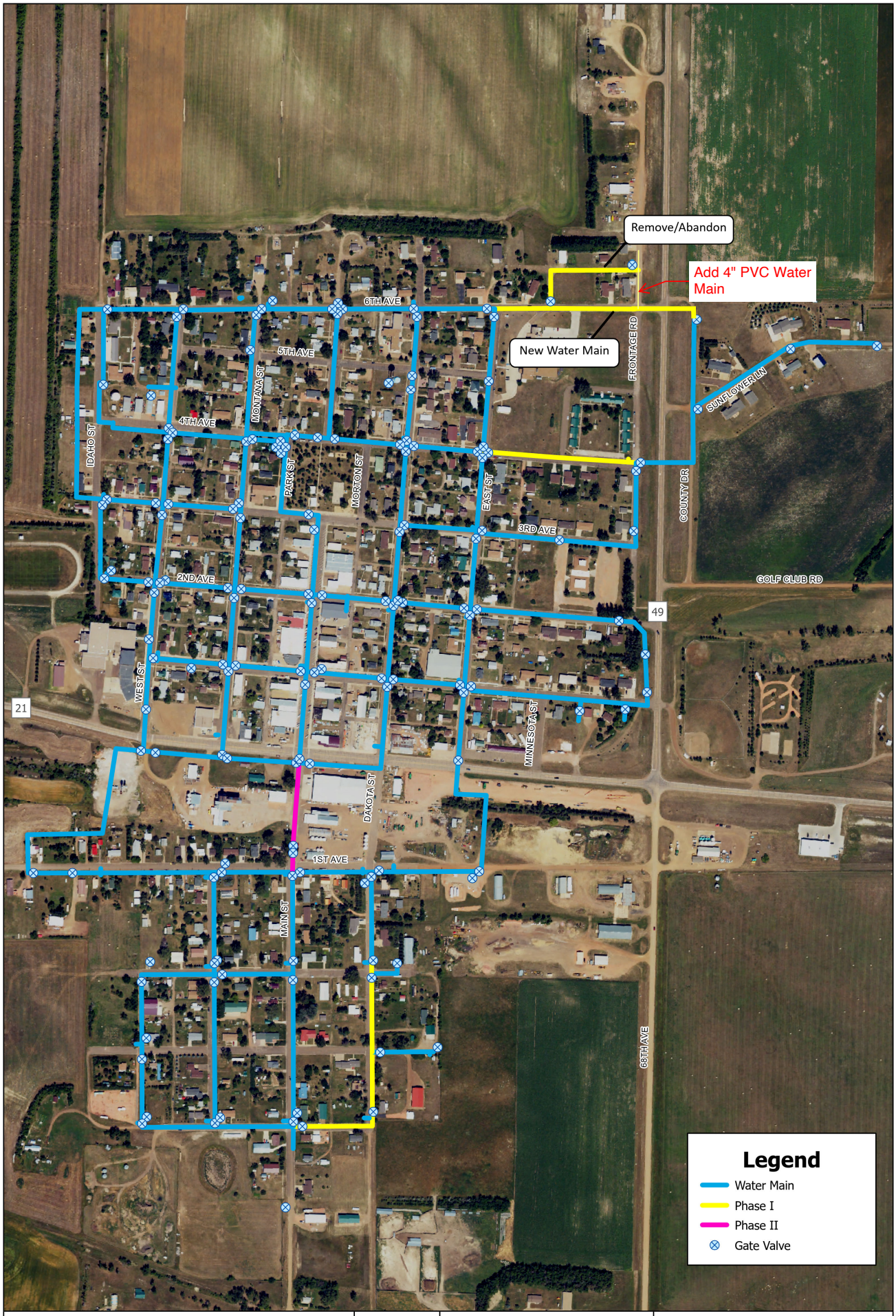
CLICK HERE for SFN 62417 Basic Asset Inventory Tool and Current Version.

| | |
|---|---|
| **Asset Inventory Assessment:** | 24195_Elgin_BAIA_20251119.xlsx |
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | Yes |
| **Feasibility/Engineering Study Material:** | 24195_FacilityPlan_Final.pdf |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | Yes |
| **Other Applicable Document:** | 24195_BidTabulation_20251106.pdf |
| **Other Applicable Document:** | |
| **Other Applicable Document:** | |

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Other | Department of Commerce CDBG Program | Already Approved | $3,583,065.00 | $0.00 | $0.00 | $3,583,065.00 | Grant | 0.00 | 0.00 |
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $38,760.00 | $0.00 | $0.00 | $38,760.00 | Grant | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $78,137.08 | $0.00 | $0.00 | $78,137.08 | Grant | 0.00 | 0.00 |
| Drinking Water State Revolving Fund | | Already Approved | $512,261.48 | $0.00 | $0.00 | $512,261.48 | | 0.00 | 0.00 |
| Clean Water State Revolving Fund | | Already Approved | $407,776.44 | $0.00 | $0.00 | $407,776.44 | | 0.00 | 0.00 |
| | | | **$4,620,000.00** | **$0.00** | **$0.00** | **$4,620,000.00** | | | |




# WATER SYSTEM LAYOUT
# ELGIN, NORTH DAKOTA

Created By: BAS Date Created: 11/29/2023 Date Saved: 11/29/23 Date Plotted: N/A Date Exported: 11/29/23
Plotted By: brook.smith Parcel Date: n/a Aerial Image: 2022 County NAIP SIDS
Elevation Data: N/A Horizontal Datum: N/A Vertical Datum: NAVD1988
T:\Projects\22100\22179\10_ArcPro\Elgin Gate Valves\Elgin Gate Valves.aprx

N
W E
S

0 200 400 600 800 Feet

moore engineering, inc.

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (5/2025)

DWR Date Received :

| | |
|---|---|
| **Project:** | East Side Watermain Improvements |
| **Sponsor:** | City of Elgin |
| **Contact:** | Reva Weekes, Auditor |
| **Phone:** | 701-584-3001 |
| **Engineer:** | AJ Tuck, PE, Moore Engineering |
| **Phone:** | 701-751-8371 |

| | |
|---|---|
| **Total Cost :** | $ 4,620,000 |
| **Ineligible Cost :** | $ 4,425,172 |
| **Eligible Cost :** | $ 194,828 |
| **Local Cost :** | $ 4,503,103 |

**Date:** November 13, 2025

| | **Cost-Share $** |
|---|---|
| | $ 116,897 |
| **Preconstruction :** | $ 38,760 |
| **Construction Engineering:** | $ 78,137 |
| **Construction :** | $ 970,534 |

| **Project Type:** | **Cost-share %** |
|---|---|
| Municipal Water Supply | 60% |

| Item | % | Cost Classification | Quantities | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ * |
|---|---|---|---|---|---|---|---|---|
| | | **Construction Costs** | | | | | | |
| 1 | 0.0% | Mobilization | | LS | | $ - | 60% | $ - |
| 2 | 0.0% | Bonding | 0 | | - | $ - | 60% | $ - |
| 3 | 0.0% | Insurance | 0 | | - | $ - | 60% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 5 | 0.3% | Testing Allowance | 0.383025 | ALLOW | 10,000.00 | $ 3,830 | 60% | $ 2,298 |
| 6 | 8.3% | Mobilization | 0.383025 | L SUM | 323,300.00 | $ 123,832 | 60% | $ 74,299 |
| 7 | 0.6% | Traffic Control | 0.383025 | L SUM | 25,000.00 | $ 9,576 | 60% | $ 5,745 |
| 8 | 0.1% | Storm Water Management | 0.383025 | L SUM | 5,000.00 | $ 1,915 | 60% | $ 1,149 |
| 9 | 1.7% | Temporary Water | 1 | L SUM | 25,000.00 | $ 25,000 | 60% | $ 15,000 |
| 10 | 2.3% | Full Depth Reclamation | 4200 | SY | 8.00 | $ 33,600 | 60% | $ 20,160 |
| 11 | 0.5% | Exploratory Excavation | 10 | HR | 800.00 | $ 8,000 | 60% | $ 4,800 |
| 12 | 0.3% | Common Excavation-Type A (P) | 333.3333 | CY | 15.00 | $ 5,000 | 60% | $ 3,000 |
| 13 | 0.1% | Asphalt - Remove | 133.3333 | SY | 12.00 | $ 1,600 | 60% | $ 960 |
| 14 | 0.1% | Concrete - Remove | 43.33333 | SY | 20.00 | $ 867 | 60% | $ 520 |
| 15 | 0.1% | Curb & Gutter - Remove | 83.33333 | LF | 13.00 | $ 1,083 | 60% | $ 650 |
| 16 | 0.0% | | 0 | | | $ - | 60% | $ - |
| 17 | 0.2% | Hydrant - Remove | 4 | EA | 650.00 | $ 2,600 | 60% | $ 1,560 |
| 18 | 0.7% | Gate Valve - Remove | 4 | EA | 2,500.00 | $ 10,000 | 60% | $ 6,000 |
| 19 | 0.4% | Asbestos Cement Pipe - Removal | 90 | LF | 70.00 | $ 6,300 | 60% | $ 3,780 |
| 20 | 0.0% | | | | | $ - | 60% | $ - |
| 21 | 3.0% | Casing Pipe | 100 | LF | 450.00 | $ 45,000 | 60% | $ 27,000 |
| 22 | 28.1% | Water Main - 6" | 3800 | LF | 110.00 | $ 418,000 | 60% | $ 250,800 |
| 23 | 10.6% | Water - Connect to Existing | 21 | LF | 7,500.00 | $ 157,500 | 60% | $ 94,500 |
| 24 | 0.6% | Gate Valve - 4" | 1 | EA | 9,250.00 | $ 9,250 | 60% | $ 5,550 |
| 25 | 5.1% | Gate Valve - 6" | 18 | EA | 4,200.00 | $ 75,600 | 60% | $ 45,360 |
| 26 | 2.7% | Fire Hydrant | 4 | EA | 10,000.00 | $ 40,000 | 60% | $ 24,000 |
| 27 | 1.9% | Water Service Line - 1" | 380 | LF | 73.00 | $ 27,740 | 60% | $ 16,644 |
| 28 | 0.7% | Water Service Connection - 1" | 15 | EA | 710.00 | $ 10,650 | 60% | $ 6,390 |
| 29 | 0.8% | Curb Stop & Box - 1" | 15 | EA | 800.00 | $ 12,000 | 60% | $ 7,200 |
| 30 | 0.2% | Water Service Line - 2" | 43 | LF | 80.00 | $ 3,440 | 60% | $ 2,064 |
| 31 | 0.1% | Water Service Connection - 2" | 1 | LF | 1,300.00 | $ 1,300 | 60% | $ 780 |
| 32 | 1.0% | Curb and Gutter-Type 1 | 116.6667 | LF | 130.00 | $ 15,167 | 60% | $ 9,100 |
| 33 | 0.1% | Curb Header-Type 1 | 10 | LF | 130.00 | $ 1,300 | 60% | $ 780 |
| 34 | 0.3% | Driveway Concrete | 13.33333 | SY | 295.00 | $ 3,933 | 60% | $ 2,360 |
| 35 | 0.0% | Sidewalk Concrete 4In | 0 | SY | 235.00 | $ - | 60% | $ - |
| 36 | 0.0% | Detectable Warning Panels | 0 | SF | 45.00 | $ - | 60% | $ - |
| 37 | 0.6% | Valley Gutter Special | 30 | SY | 300.00 | $ 9,000 | 60% | $ 5,400 |
| 38 | 1.1% | Subgrade Preparation-Type A-12In | 4200 | SY | 4.00 | $ 16,800 | 60% | $ 10,080 |
| 39 | 0.6% | Geosynthetic Material Type G | 4200 | SY | 2.00 | $ 8,400 | 60% | $ 5,040 |
| 40 | 2.0% | Salvaged Base Course | 866.6667 | CY | 35.00 | $ 30,333 | 60% | $ 18,200 |
| 41 | 1.3% | Aggregate Base Course CL 5 | 500 | TON | 38.00 | $ 19,000 | 60% | $ 11,400 |
| 42 | 12.6% | Superpave FAA 43 | 1000 | TON | 187.00 | $ 187,000 | 60% | $ 112,200 |
| 43 | 0.7% | Topsoil | 100 | CY | 100.00 | $ 10,000 | 60% | $ 6,000 |
| | | Hydraulic Mulch | 2500 | SY | 4.00 | $ 10,000 | 60% | $ 6,000 |
| | | Seeding Class III | 2500 | SY | 3.00 | $ 7,500 | 60% | $ 4,500 |
| | | **Construction Sub-Total** | | | | $ 1,352,116 | 60% | $ 811,270 |
| | 10.0% | **Contingency** | | | | $ 135,212 | 60% | $ 81,127 |
| | 32.2% | **Construction Total** | | | | $ 1,487,328 | 60% | $ 892,397 |
| | | **Preconstruction Costs** | | | | | | |
| 44 | 4.3% | Design Engineering | 1 | LS | 64,600.00 | $ 64,600 | 60% | $ 38,760 |
| 45 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 46 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 47 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 48 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 1.4% | **Preconstruction Total** | | | | $ 64,600 | 60% | $ 38,760 |
| | | **Construction Engineering Costs** | | | | | | |
| 49 | 8.8% | Construction Engineering | 1 | LS | 130,228.47 | $ 130,228 | 60% | $ 78,137 |
| 50 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 51 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 52 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 53 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 2.8% | **Construction Engineering Total** | | | | $ 130,228 | 60% | $ 78,137 |
| | | **Other Eligible Costs** | | | | | | |
| 54 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 55 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 56 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 57 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| 58 | 0.0% | | 0 | | - | $ - | 60% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | $ - |
| | | **In-eligible Costs** | | | | | | |
| 59 | 47.1% | Other Construction | 1 | LS | $2,177,983.71 | $ 2,177,984 | 0% | $ - |
| 60 | 4.6% | Other Construction Contingency | 1 | LS | 214,688.37 | $ 214,688 | 0% | $ - |
| 61 | 4.5% | Other Construction Engineering | 1 | LS | 209,771.53 | $ 209,772 | 0% | $ - |
| 62 | 6.0% | Other Design Engineering | 1 | LS | 275,400.00 | $ 275,400 | 0% | $ - |
| 63 | 0.4% | Grant Administration | 1 | LS | 20,000.00 | $ 20,000 | 0% | $ - |
| 64 | 0.9% | Legal and Bonding | 1 | LS | 40,000.00 | $ 40,000 | 0% | $ - |
| | 63.6% | **Other Ineligible Total** | | | | $ 2,937,844 | 0% | $ - |
| | 100.0% | | | | **Total** | $ 4,620,000 | | |
| | | | | | **Eligible Total** | $ 1,682,156 | 60% | $ 1,009,294 |
| | | | | | **Federal or State Funds That Supplant Costs** | $ 1,487,328 | | |
| | | | | | **Eligible Cost Total** | $ 194,828 | 60% | $ 116,897 |

* The cost-share estimate is purely for planning and informational purposes only and does not, in any way, guarantee a financial commitment to any degree, from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Elgin
**Project Title:** East Side Water Main Improvements **Date:** November 1, 2024

**Explanation of Alternatives:**

Replace the Water Main - Abandon the existing 1955 asbestos cement water main and install new PVC water main. The existing water main is beyond its useful life. Replacing the main in this project will reduce the likelihood of water main breaks.

Do Nothing - This is not a feasible option since the water main has numerous breaks and is well beyond its service life. If nothing were done to this water main the city would continue to experience more and more breaks, and the annual operation and maintenance budget would increase until the main was replaced in a patchwork approach.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 354 |
| Net Connections (New + Current) | 354 |

| | |
|---|---|
| Current CIF Balance | $99,789 |
| Annual CIF Contribution | $9,063 |
| **Cash Funding Target (Percentage %) New Assets** | **0%** |
| **Cash Funding Target (Percentage %) Existing Asets** | **0%** |
| Annual CIF Contribution suggested for the Project | |

| | Replace the Water Main | Do Nothing | | |
|---|---|---|---|---|
| Construction Cost | $4,769,500 | $0 | | |
| Annual O & M | $0 | $20,000 | | |

**Details:**

The sponsors have chosen a CIF funding target of 0%.

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Replace the Water Main | Do Nothing | | |
|---|---|---|---|---|
| Capital Costs | $4,770,000 | $0 | | |
| O&M | $0 | $554,000 | | |
| Repair, Rehab, Replacement | $0 | $0 | | |
| Salvage Value | $0 | $0 | | |
| **Total PVC** | **$4,770,000** | **$554,000** | | |
| | | | | |
| **PV Cost Per User** | **$13,475** | **$1,565** | | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$48** | | | |
| **Comparable Water Rate** | | **$47** | | | |
| Net Connections (New + Current) | | 354 | 354 | | |
| Cost-Share Percent | | 60% | 60% | | |
| | DWR Share | $712,161 | $0 | | |
| | Other Funding | $3,583,065 | $0 | | |
| | Total Local | $474,774 | $0 | | |
| **Payment Per User With Cost-Share** | | **$6.78** | **$0.00** | | |
| | DWR Share | $0 | $0 | | |
| | Other Funding | $3,583,065 | $0 | | |
| | Total Local | $1,186,935 | $0 | | |
| **Payment Per User Without Cost-Share** | | **$16.96** | **$0.00** | | |

**Explanation of Results:**

The sponsor preferred project is the “Replace the Water Main” option. The present value cost of the preferred alternative is $4,770,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $554,000. The present value cost per user for the preferred alternative is $13,475. The monthly user cost of the local share with DWR 60% cost-share participation is $6.78 per month and $16.96 without DWR participation. This project is receiving grant funding from the Industrial Commission and DEQ loan funding.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2020 | | |
| Population & Trends | 642 | 583 | -0.9% | -6 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 10/27/25

October 17, 2025

Lori Noack
Cost Share Program Administrator
North Dakota Department of Water Resources
1200 Memorial Highway
Bismarck, ND 58505-0850

RE: East Side Watermain Improvements
Elgin, North Dakota
DWR Construction Cost-Share Request

Dear Lori:

The City of Elgin is initiating a project to update its drinking water and sanitary sewer infrastructure. The project will replace 9 blocks of failing asbestos cement pipe (ACP). This ACP was originally installed in 1955 and does not comply with 10 States Standards regional requirements. Additionally, the project will rehabilitate the City's entire sanitary sewer system by installing a Cured-in-Place Pipe (CIPP) liner.

The City received a $3,583,065 grant from the Governor's Fund. The entirety of this grant funding will be devoted to construction costs associated with the $4.7M project. The City has received $38,760 from DWR Preconstruction Cost Share Program for design engineering. The City is now respectfully requesting $58,393.64 from DWR Construction Cost Share Program for construction engineering costs.

The figure above was derived as follows: $340,000 (total construction engineering fee) x 0.286243 (percent of project related to municipal water supply) x 0.60 (percent of cost-share for water supply projects) = $58,393.64. Please note that the project scope has changed during design leading to an increased water-eligible percentage for construction engineering.

We appreciate your willingness to support the City's efforts to provide safe, reliable, and cost-effective drinking water for its residents. If you have any questions, please contact me or the project engineer, Anthony Setness, at anthony.setness@mooreengineeringinc.com or (701) 446-6230.

Sincerely,

CITY OF ELGIN, ND

Ronald Bartz
Mayor of Elgin

DWR Date Received : 10/27/25

Meeting Minutes
City of Elgin
Regular meeting

Mayor: Ronald L. Bartz

Council Members:

Brian Richardson
Kristian Roth
Robert Mead
Brianna Ricks
Leslie Bartz
Ron Fischer

---

Regular City Council Meeting was called to order at 7:30 p.m. September 4, 2025 by **Mayor Ronald Bartz.** Pledge was recited.

Public in Attendance: Luann Dart, Wayne Iszler

In Attendance: Brian Richardson, Ron Fischer, Leslie Bartz, Brianna Ricks, Kristian Roth and Ronald Bartz.

Absent: Robert Mead

Public: - None

Maintenance Report: Iszler reported on the sewer jetter maintenance. Council was informed that the City of Carson would be willing to help work together with our maintenance team on each City's streets next year to maximize repair on both towns streets. New street signs will be pulled out and replaced this coming week.

Engineers Report: Council reviewed the Engineer's Report from AJ Tuck as presented. Moved by L. Bartz second by Roth to approve to have the Auditor apply for the Department of Water Resource Grant for eligible construction engineering costs for the East Side Water Main Improvement project, all present aye motion carried.

Additions to Agenda: Council was approached if the city would consider helping the property owner clean up the back yard using city equipment for the property located at 410 Park St N. Consensus of the council was that the hourly payloader fee would be charged if the property owner agreed.

Moved by Roth second by Fischer to approve the Regular City Council minutes dated August 7, 2025, all present aye motion carried.

Moved by L. Bartz and second by Fischer to approve the financial statement as presented for August; all present aye; motion carried.

Moved by Richardson second by Ricks to approve the following bills for August & September: NDPERS Pension 969.88, NDPERS 2377.10, US Treasury 1524.60, FIBT 332.48, FIBT 2067.49, FIBT 18.97, 3.84, 332.48, 47.50, Moore Engineering 25022.04, Elgin Park Board 360.55, Elgin True Value 360.55, Gas & Gears 305.21, Gr. County 5063.00, GS Publishing 41.88, JD Financial 124.45, Lince San. 8269.53, MDU 2817.84, One Call 9.00, Ronald Bartz 304.50, Share Corp. 662.08, Fischer Body 50.57, Gr. Co 6945.07, Integrity Ent. 179.01, SW Water 7687.94, WRT 291.03, WRT 125.64, Moore Engineering 2604.99, Ecolab 138.37, Elgin True Value 108.22, Essentia Health 60.00, Farmers Union Ins 64.00, Ferguson 69.90, Gas & Gears 331.26, Gr. County 5063.00, GS Publishing 448.72, JD Financial 484.12, Lexis Nexis 32.43, MDU 2491.16, ND Water Users Assoc. 125.00, One Call 6.00, PB BYE 1670.00, Rafteseth Tire 530.00, Safequard QBS 1916.41, SW Grain 313.86, Van Diest 2065.00,

Meeting Minutes
City of Elgin
Regular meeting

Mayor: Ronald L. Bartz

Council Members:

Brian Richardson
Kristian Roth
Robert Mead

Brianna Ricks
Leslie Bartz
Ron Fischer

City of Elgin 221.80, Dakota Dust-Tex 71.25, MDU 144.71, SW Grain 352.32 and Employee Wages–$6,640.54; all present aye motion carried.

**Past Due Water bill list was reviewed: The following accounts are past due:** Steve Bleick, Bobby Walters, Melissa Scott, Corinna Diehl.

**Old Business**:
Discussion was held regarding the repair done on the property located at 109 Main St N, Council consensus was that the repair is satisfactory and the danger building notice will be removed.

Discussion was held regarding the lot mess at 200 Montana St S, a letter was sent with an August 8th deadline; the council was informed no response was received from the property owner and council will be seeking Attorney advice to strengthen the ordinances.

Discussion was held regarding the sidewalk TA grant recommended by AJ Tuck of Moore Engineering for the partial replacement of sidewalks along 1st Ave and West ST. Deadline for this grant is Dec. 2025. The school's portion has yet to be determined. Moved by L. Bartz Second by Fischer to give Moore Engineering permission to apply for the TA Grant on behalf of the City all present aye motion carried.

**New Business**:
Moved by Roth second by Ricks to approve the following building permits/Demo Permits: #877 Arika Niederman, #880 Tim Reisenauer, #881 SW Grain, #882 Bubby Laub and Jeff Branden; all present aye motin carried.

Moved by L. Bartz second by Richardson to approve the Local Charity Permit# 419 for Ducks Unlimited for October 24th all present aye motion carried.

Council review an email from ND Forest Service.

Meeting adjourned at 7:46 p.m.

**Mayor** _____
**Ronald Bartz**

**City Auditor** _____
**Reva Weekes**

Water Development Plan: Yes (2025)
Plan Priority: Low

DWR Date Received :12/19/25
Revised :01/5/26

J 12

# 1086852 - Memorial Highway Improvements Project - West Half - Construction

## Application Details

| | |
|---|---|
| **Funding Opportunity:** | 1085949-July 2025 - June 2026 Infrastructure Request |
| **Funding Opportunity Due Date:** | Jun 30, 2026 3:00 PM |
| **Program Area:** | Funding for Infrastructure in ND - FIND |
| **Status:** | Under Review |
| **Stage:** | Final Application |
| **Initial Submit Date:** | Dec 19, 2025 12:00 PM |
| **Initially Submitted By:** | Abby Ritz |
| **Last Submit Date:** | Jan 5, 2026 1:36 PM |
| **Last Submitted By:** | Abby Ritz |

## Contact Information

### Primary Contact Information

| | |
|---|---|
| **Active User*:** | yes |
| **Type:** | External User |
| **Name:** | Mr. (Salutation) Jarek (First Name) Wayne (Middle Name) Wigness (Last Name) |
| **Title:** | City Engineer |
| **Email*:** | jarek.wigness@cityofmandan.com |
| **Address*:** | 205 2nd Ave NW |
| | Mandan (City) North Dakota (State/Province) 58554 (Postal Code/Zip) |
| **Phone*:** | 701-667-3227 Ext. (Phone ###-###-####) |
| **Fax:** | ###-###-#### |
| **Comments:** | |

### Organization Information

| | |
|---|---|
| **Status*:** | Approved |
| **Name*:** | City of Mandan |
| **Organization Type*:** | Political Subdivision |
| **Tax Id:** | |
| **Organization Website:** | |
| **Address*:** | 205 2nd Avenue NW |

| | |
|---|---|
| | Mandan North Dakota 58554-3125<br>City State/Province Postal Code/Zip |
| **Phone*:** | (701) 667-3215 Ext.<br>###-###-#### |
| **Fax:** | ###-###-#### |
| **Vendor ID:** | |
| **PeopleSoft Supplier ID:** | |
| **Comments:** | |
| DUNS 058261421 | |
| **Location Code:** | |

## Infrastructure Funding Request

***Infrastructure Funding Request***

| | |
|---|---|
| **Project Name*:** | Memorial Highway Improvements Project |
| **Sponsor(s)*:** | City of Mandan |
| **County*:** | Morton |
| **City*:** | Mandan |
| **Description of Request*:** | New |
| **Project Type:** | Multi-purpose |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Missouri River |

**Jurisdictions/Stakeholders Involved*:**

City of Mandan, North Dakota of Transportation

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

The existing water infrastructure was mainly installed in 1975 with modifications and extensions added later. The location of the water main relative to sewer pipes and other franchise utilities has been an issue for ongoing maintenance as all utilities are in an approximate 12-foot wide area on the south side of the highway right-of-way. The existing distribution mains along the highway corridor consist of 8" and 12" asbestos cement pipe. Due to the age and material, this section has increased potential for main breaks.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The west phase of the proposed project will include watermain replacement along half the memorial highway corridor from approximately 32nd Ave to Main Street as shown in the project map, including:
- Upsize the existing 12-inch water main pipe to a 16-inch water main pipe to provide redundancy of service to the southeast (Lakewood) and southwest portions of Mandan.
- Full replacement of all AC pipe and appurtenances in the project corridor.
- Locate the new watermain in a more accessible location, under the reconstructed highway and away from the other utilities.

The west half of the project will be constructed as the second and final phase of the overall project.

**Describe the Objectives or Goals Specific to This Application*:**

Secure remaining construction cost-share for the Memorial Highway project.

**Describe the Scope of Work or Project Activities Specific to This Application*:**

Work completed under this application will include local cost-share of construction costs and city construction engineering for both the east and the west sides of the project.

There is a slight increase in the East construction costs based on a more detailed breakdown of the City costs that the DOT provided after the East Construction request was submitted.

The request for engineering construction costs are higher than the previous estimate mainly due to what we learned and experienced through the 2025 construction season. With DOT managing the project, the level of effort needed to support the project was uncertain, and ultimately, our time in the field and our efforts to support the project were higher than what was originally estimated. Additionally, the Contractor was supposed to complete all utility work in 2025 but only completed approximately 1/4 of the watermain in 2025. Thus, there will be significant time needed in 2026 to support construction that was not anticipated.

For this project,

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | City |
| **What is the Current Estimated Population?*:** | 24206 |

For this project,

| | |
|---|---|
| **What is the Benefited Population?*:** | 12103 |
| **Have Assessment Districts Been Formed?*:** | Yes |
| **Date Formed:** | 10/01/2024 |
| **Have Land or Easements Been Acquired?*:** | No |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | Yes |

**If Yes, Describe the Condition of Drinking Water, Sanitary and Storm Sewer Utilities. When Were the Last Improvements Made to Any Underground Infrastructure? Give Approximate Years for Water Improvements and Sanitary and Storm Sewer Improvements.:**

The existing water infrastructure was mainly installed in 1975 with modifications and extensions added later. The project will install a storm sewer system as part of the project along with upgrading one storm sewer lift station. The project also includes replacement of select sanitary sewer along with two sanitary lift stations.

| | |
|---|---|
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) *: | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 06/2023

**Design Completion*:** 10/2025

**Bid*:** 11/2025

**Construction Start*:** 05/2026

**Construction Completion*:** 10/2028

**Explain Additional Timeline Issues*:**

No issues anticipated.

**Consulting Engineer*:** Jasper Klein

**Engineer Direct Phone Number*:** 701-425-4167

**Engineer Email*:** jasper.klein@AE2S.com

***Certification (Must Be Completed by Project Sponsor)***

**It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** Yes

**Authorized Individual*:** Jarek (First Name) Wigness (Last Name) 12/05/2025 (Date)

**Title/Position/Authority*:** City Engineer

**Address*:** 205 Second Ave NW
Address Line 1

Address Line 2

Mandan (City) North Dakota (State) 58554-0000 (Zip Code)

**Direct Phone Number*:** 701-667-3227

**Sponsor Email*:** jarek.wigness@cityofmandan.com

**Are You Seeking Department of Water Resources Cost-Share?*:** Yes

**Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** James (First Name) Foelich (Last Name)

**Authorized Signor Title/Position:** Mayor

**Authorized Signor Email:** james.froelich@cityofmandan.com

**Authorized Signor Direct Phone Number:** 701-301-6792

**Provide the Name for One Additional Board Member, if Applicable:** First Name Last Name

**Additional Board Member Title/Position:**

**Additional Board Member Email:**

**Additional Board Member Direct Phone Number:**

## Documentation

***Documentation***

**Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** No

CLICK HERE to see examples.

**Project Specific Map**
Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community
*: Mandan Memorial Highway Project Location Map - West Half.pdf

**Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** No

**Are You Seeking Department of Water Resources Cost-Share?*:** Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

**Minutes:** 2025-12-02 CC Meeting Minutes DRAFT.pdf

**Cover Letter:** Mandan Memorial Highway Cover Letter.pdf

**Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** No

CLICK HERE for SFN 61801 Delineation of Costs Instructions and Current Version.

**Delineation of Costs SFN 61801:** Mandan Mem Hwy sfn_61801_delineation_of_cost.xlsx

**Type of Request:** Construction

**Signed Plans and Specifications For Bidding:** SU-CPU-FTF-1-094224917_MemorialHwy_1_of_4_Plans_IFC.pdf

**Is This a Water Supply Project?:** Yes

CLICK HERE for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.

**Life Cycle Cost Analysis:** Mandan Mem Hwy life_cycle_cost_analysis_worksheet.xlsx

CLICK HERE for SFN 62417 Basic Asset Inventory Tool and Current Version.

**Asset Inventory Assessment:** Mandan Memorial Highway sfn_62417_basic_asset_inventory_tool_MandanREV1.xlsx

**Is This a Rural Flood Control Project?:** No

**Is This a Drain Reconstruction Project?:** No

**Is This a Flood Recovery Property Acquisition Project?:** No

**If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** No

**Sovereign Land Permit, if Required for Construction Request:**

**DWR Construction Permit, if Required for Construction Request:**

**Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:**

**Has a Feasibility/Engineering Study Been Completed for the Project?:** No

**Photos of Problem/Issue:**

**GIS Files:** Please Compress All Files Into One .zip File.

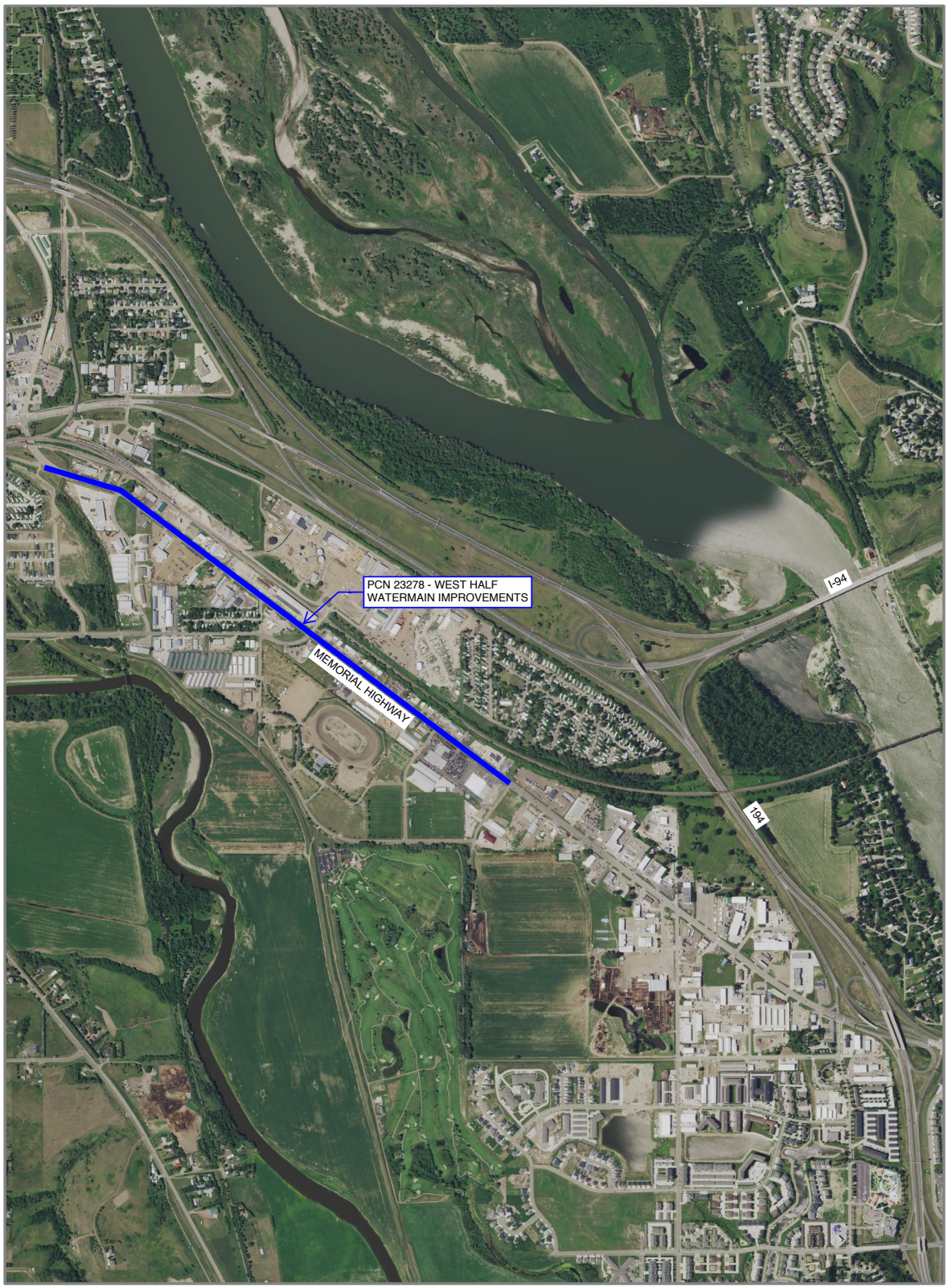
**Other Applicable Document(s):** No

## Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Drinking Water State Revolving Fund | | | $0.00 | $7,297,013.19 | $0.00 | $7,297,013.19 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Current Request | $0.00 | $5,833,068.06 | $0.00 | $5,833,068.06 $5,728,681.00 | | 0.00 | 0.00 |
| Department of Water Resources Cost Share Construction | | Already Approved | $0.00 | $3,883,533.00 | $0.00 | $3,883,533.00 | | 0.00 | 0.00 |
| Clean Water State Revolving Fund | | | $0.00 | $10,663,355.25 | $0.00 | $10,663,355.25 | | 0.00 | 0.00 |
| Other | TBD - MDU Cost-Sharing | | $0.00 | $700,000.00 | $0.00 | $700,000.00 | | 0.00 | 0.00 |
| Other | ARPA Funds | | $0.00 | $3,000,000.00 | $0.00 | $3,000,000.00 | | 0.00 | 0.00 |
| | | | **$0.00** | **$31,376,969.50** | **$0.00** | **$31,376,969.50** | | | |

www.ae2s.com | Advanced Engineering and Environmental Services, Inc.




*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*
Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet | Edited by: CNelson | W:\H\HDR\12154-2018-002\GIS\General Mandan.aprx

N



Locator Map Not to Scale

0 250

Feet

**MEMORIAL HIGHWAY**
**PROJECT CORRIDOR**
Mandan | Morton County, ND

CITY OF MANDAN
WHERE THE WEST BEGINS

Date: 4/01/2025

AE2S

www.ae2s.com | Advanced Engineering and Environmental Services, Inc.




*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*
Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet | Edited by: CNelson | W:\H\HDR\12154-2018-002\GIS\General Mandan.aprx

N



Locator Map Not to Scale

0 250

Feet

**MEMORIAL HIGHWAY**
**PROJECT CORRIDOR**
Mandan | Morton County, ND

CITY OF MANDAN
WHERE THE WEST BEGINS

Date: 11/5/2024

AE2S

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received :

| | |
|---|---|
| **Date :** | 12/19/25 |
| **Project :** | Memorial Highway Improvements Project - Full Project |
| **Sponsor :** | City of Mandan |
| **Contact :** | Jarek Wigness, City Engineer |
| **Phone :** | 701-667-3227 |
| **Engineer :** | Jasper Klein, AE2S |
| **Phone :** | 701-425-4167 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 31,376,969.50 | **Total Cost-Share* :** | 9,612,213.66 |
| **Ineligible Cost :** | $ 15,356,613.40 | **Other Eligible:** | 0.00 |
| **Eligible Cost :** | $ 16,020,356.10 | **Preconstruction :** | 282,227.00 |
| **Local Cost :** | $ 21,764,755.84 | **Construction :** | 9,329,987.46 |

Current request $5,728,681

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Municipal | 0.60 |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| 2 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| 3 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| 4 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| 5 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| | 0.0% | **Other Eligible Total** | | | | $ - | 60% | 0.00 |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 1.9% | Final Design - East Previously Awarded | 1 | LS | 581,000.00 | $ 581,000.00 | 60% | 348,600.00 |
| 7 | 0.2% | Final Design - West Previously Awarded | 1 | LS | 63,356.00 | $ 63,356 | 60% | 38,013.60 |
| 8 | 0.0% | Final Design - East Not Previously Approved | 1 | LS | (173,979.00) | -$ 173,979 | 60% | (104,386.60) |
| 9 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| 10 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| | 2.1% | **Preconstruction Total** | | | | $ 470,377.00 | 60% | 282,227.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 1.3% | City Construction Engineering - East Previously Awarded | 1 | LS | 407,021.00 | $ 407,021.00 | 60% | 244,212.60 |
| 12 | 0.4% | City Construction Engineering - East Cost Increase | 1 | LS | 110,887.00 | $ 110,887.00 | 60% | 66,532.20 |
| 13 | 1.9% | City Construction Engineering - West | 1 | LS | 600,000.00 | $ 600,000.00 | 60% | 360,000.00 |
| 14 | 4.0% | Share of NDDOT Construction Engineering | 1 | LS | 1,264,116.85 | $ 1,264,116.85 | 60% | 758,470.11 |
| 15 | 0.0% | | 0 | | - | $ - | 60% | 0.00 |
| | 7.6% | **Construction Engineering Total** | | | | $ 2,382,025 | 60% | 1,429,214.91 |

Construction engineering requested $1,975,004 cost share $1,185,002

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **Construction Costs** | | | | | | |
| 16 | 2.3% | Mobilization | 1 | LS | 723,957.00 | $ 723,957.00 | 60% | 434,374.20 |
| 17 | 0.1% | Bonding | 1 | LS | 17,103.00 | $ 17,103.00 | 60% | 10,261.80 |
| 18 | 0.0% | Insurance | 0 | | - | $ - | 60% | 0.00 |
| 19 | 0.2% | Other Services Provided By Contractor | 1 | LS | 53,735.00 | $ 53,735.00 | 60% | 32,241.00 |
| 20 | 0.9% | ACP Watermain Removal | 2125 | LF | 130.70 | $ 277,737.50 | 60% | 166,642.50 |
| 21 | 2.2% | Fittings | 23777 | LBS | 28.60 | $ 680,022.20 | 60% | 408,013.32 |
| 22 | 2.4% | Gate Valve | 95 | EA | 7,916.97 | $ 752,112.00 | 60% | 451,267.20 |
| 23 | 1.0% | Hydrant | 27 | EA | 11,232.00 | $ 303,264.00 | 60% | 181,958.40 |
| 24 | 0.3% | Water Service Line | 506 | LF | 199.80 | $ 101,098.80 | 60% | 60,659.28 |
| 25 | 0.0% | Water Service Line | 6 | LF | 1,242.00 | $ 7,452.00 | 60% | 4,471.20 |
| 26 | 3.6% | Water Service Line | 1 | LS | 1,134,000.00 | $ 1,134,000.00 | 60% | 680,400.00 |
| 27 | 1.1% | Water Main 6 in | 2207 | LF | 158.80 | $ 350,471.60 | 60% | 210,282.96 |
| 28 | 0.7% | Water Main 8 in | 1428 | LF | 144.70 | $ 206,631.60 | 60% | 123,978.96 |
| 29 | 0.4% | Water Main 12 in | 605 | LF | 207.03 | $ 125,253.00 | 60% | 75,151.80 |
| 30 | 4.9% | Water Main 16 in | 7299 | LF | 210.41 | $ 1,535,777.00 | 60% | 921,466.20 |
| 31 | 0.4% | Curb Stop | 49 | EA | 2,808.00 | $ 137,592.00 | 60% | 82,555.20 |
| 32 | 0.2% | Water Service Line | 49 | EA | 1,589.14 | $ 77,868.00 | 60% | 46,720.80 |
| 33 | 0.3% | Connection to Existing Line | 12 | EA | 7,263.00 | $ 87,156.00 | 60% | 52,293.60 |
| 34 | 0.1% | Insulation Board | 853 | CF | 28.10 | $ 23,969.30 | 60% | 14,381.58 |
| 35 | 0.3% | Other Services Provided By Contractor | 1 | LS | 107,813.00 | $ 107,813.00 | 60% | 64,687.80 |
| 36 | 0.6% | Increased NDDOT Cost-Share - East Water Improvements | 1 | LS | 181,348.50 | $ 181,348.50 | 60% | 108,809.10 |
| 37 | 16.2% | Previously Awarded - East Improvements | 1 | LS | 5,086,506.00 | $ 5,086,506.00 | 60% | 3,051,903.60 |
| | | **Construction Sub-Total** | | | | $ 11,970,867.50 | 60% | 7,182,520.50 |
| | 3.8% | **Allowable Contingency (10%)** | | | | $ 1,197,086.75 | 60% | 718,252.05 |
| | 0.0% | **Elective Contingency Reduction** | 0 | | - | $ - | 60% | 0.00 |
| | 42.0% | **Construction Total** | | | | $ 13,167,954.25 | 60% | 7,900,772.55 |

| | | | |
|---|---|---|---|
| Eligible Preconstruction | $ 470,377.00 | 60% | 282,226.20 |
| Eligible Construction | $ 15,549,979.10 | 60% | 9,329,987.46 |
| **Eligible Total** | $ 16,020,356.10 | 60% | 9,612,214.46 |

Construction requested $7,572,798 cost share $4,543,679

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 38 | 2.8% | Other Preconstr. Eng. (Not Water Related) | 1 | LS | 882,264.00 | $ 882,264 | 0% | 0.00 |
| 39 | 0.6% | Final Design - East Not Previously Approved | 1 | LS | 173,979.00 | $ 173,979 | 0% | 0.00 |
| 40 | 0.0% | | 0 | | - | $ - | 0% | 0.00 |
| 41 | 0.0% | | 0 | | - | $ - | 0% | 0.00 |
| | 3.4% | **Preconstruction Ineligible Total** | | | | $ 1,056,243 | 0% | 0.00 |
| | | **Ineligible Construction Costs** | | | | | | |
| 42 | 1.1% | Mobilization, Bonding, Insurance (Not Water Related) | 1 | LS | 357,529.00 | $ 357,529.00 | 0% | 0.00 |
| 43 | 40.0% | Other Constr. (Not Water Related) | 1 | LS | 12,558,286.41 | $ 12,558,286.41 | 0% | 0.00 |
| 44 | 2.2% | Other Constr. Eng. (Not Water Related) | 1 | LS | 700,000.00 | $ 700,000.00 | 0% | 0.00 |
| 45 | 2.2% | Share of NDDOT Construction Engineeering | 1 | LS | 684,554.99 | $ 684,554.99 | 0% | 0.00 |
| | 45.6% | **Construction Ineligible Total** | | | | $ 14,300,370.40 | 0% | 0.00 |

| | | | |
|---|---|---|---|
| **Ineligible Total** | $ 15,356,613.40 | 0% | 0.00 |
| 100.6% **Project Total** | $ 31,376,969.50 | | |

| | | | |
|---|---|---|---|
| **Federal or State Funds That Supplant Costs** | $ - | | |
| **Eligible Cost Total** | $ 16,020,356.10 | 60% | 9,612,213.66 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** City of Mandan
**Project Title:** Memorial Highway Improvements Project **Date:** January 8, 2026

**Explanation of Alternatives:**

Watermain Improvements (Preferred) - Replace the old 12-inch asbestos cement pipe watermain with 16-inch ductile iron and PVC. The project will be constructed in conjunction with the NDDOT's Urban Reconstruction Project, resulting in significant savings for the city.
Do Nothing - This alternative will not replace the old watermain in conjunction with the NDDOT Reconstruction Project. This would leave old, deteriorated watermain in the ground, below new streets. This does not address the aging water infrastructure and results in higher costs when the city eventually replaces the mains in the future.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 9418 |
| Net Connections (New + Current) | 9418 |

| | |
|---|---|
| Current CIF Balance | $0 |
| Annual CIF Contribution | $0 |
| Cash Funding Target (Percentage %) New Assets | 35% |
| Cash Funding Target (Percentage %) Existing Asets | 50% |
| Annual CIF Contribution suggested for the Project | $376,103 |

| | Watermain | Do Nothing | | |
|---|---|---|---|---|
| Construction Cost | $31,377,100 | $0 | | |
| Annual O & M | $0 | $0 | | |

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Watermain | Do Nothing | | |
|---|---|---|---|---|
| Capital Costs | $30,545,000 | $0 | | |
| O&M | $0 | $0 | | |
| Repair, Rehab, Replacement | $1,601,000 | $0 | | |
| Salvage Value | $286,000 | $0 | | |
| **Total PVC** | **$31,860,000** | **$0** | | |
| | | | | |
| **PV Cost Per User** | **$3,383** | **$0** | | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$37** | | | |
| **Comparable Water Rate** | | **$48** | | | |
| Net Connections (New + Current) | | 9,418 | 9,418 | | |
| Cost-Share Percent | | 60% | 60% | | |
| | Local Share | $12,218,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $12,218,000 | $0 | | |
| **Payment Per User With Cost-Share** | | **$6.56** | **$0.00** | | |
| | Local Share | $30,545,000 | $0 | | |
| | Other Funding | $0 | $0 | | |
| | Total Local | $30,545,000 | $0 | | |
| **Payment Per User Without Cost-Share** | | **$16.41** | **$0.00** | | |

**Explanation of Results:**

The sponsor preferred project is the “Watermain Improvements” option. The present value cost of the preferred alternative is $31,860,000 and the presented alternative for comparison is “Do Nothing” at a present value cost of $0. The present value cost per user for the preferred alternative is $3,383. The monthly user cost of the local share with DWR 60% cost-share participation is $6.56 per month and $16.41 without DWR participation.

| | Year | | Annual Population Growth Rate | Average Annual Population Increase/Decrease |
|---|---|---|---|---|
| ND Dept. of Commerce | 2010 | 2023 | | |
| Population & Trends | 18,331 | 24,586 | 2.6% | 481 |

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/19/25

CITY OF
MANDAN Administration
WHERE THE WEST BEGINS

December 16, 2025

Reice Haase, Director
State Water Commission
1200 Memorial Highway
Bismarck, ND 58504

Re: SWC Project No. 2050-MAN
Mandan Memorial Highway Improvements Project – West Half
Construction Cost-Share Request

Director Haase:

The City of Mandan appreciates the Department of Water Resources' partnership and respectfully requests cost-share on the final phase of the Memorial Highway Improvements Project. This request represents the final investment needed to complete a multi-phase, multi-year effort to modernize critical water infrastructure along Memorial Highway.

The project involves the removal and replacement of old asbestos cement watermain, which has been prone to frequent main breaks. This project will install new watermain in a more accessible location for future maintenance, improve distribution resiliency, and will significantly benefit the city long-term. By including the watermain replacement with the North Dakota Department of Transportation's upcoming highway project, we can ensure a more efficient and cost-effective solution that minimizes disruption and enhances the overall infrastructure for the City of Mandan.

We appreciate your consideration of Mandan's cost-share request and the opportunity to present a project that promises to significantly improve our city's water system. We look forward to working with the North Dakota Department of Water Resources on funding assistance for the final phase of this important project. If you have any questions, please do not hesitate to contact me at 701-667-3210.

Sincerely,

City of Mandan
Jim Neubauer

Jim Neubauer
City Administrator

c: Jasper Klein, PE, AE2S

DWR Date Received : 12/19/25



The Mandan City Commission met in regular session at 5:30 PM on December 2, 2025 in the Ed "Bosh" Froehlich Meeting Room at City Hall, Mandan, North Dakota. Mayor Froelich called the meeting to order.

A. ROLL CALL

1. *Roll call of all City Commissioners*. Those present were Dennis Rohr, Mike Braun, James Froelich, Craig Sjoberg, Ryan Heinsohn. Department heads present were City Administrator Neubauer, Finance Director Welch, Assessor Fleischer, Human Resource Director Berger, City Engineer Wigness, Assistant City Engineer McAdoo-Roesler, Police Chief Ziegler, Building Official Singer, Fire Chief Bitz, Public Works Director O'Keefe, Business Development & Communications Director Cermak, Planner Laqua, CIS Manager Mischel, Administrative Assistant Newman, Waste Water Treatment Plant Superintendent Malsam, and Attorney Oster.

B. THE PLEDGE OF ALLEGIANCE

C. ANNOUNCEMENTS

1. *Mandan Progress Organization Holiday Lights Update*. Mandan Progress Organization Executive Director Matt Schanandore presented.

2. *Former High School Demolition timeline*. City Building Official Singer presented.

3. *Construction Project Updates*. City Engineer Wigness presented.

4. *Snowplow Art Partnership & Storm Response Update*. Public Works Director O'Keefe presented.

D. PUBLIC COMMENT

1. *The Mandan City Commission values public input. To speak, submit a completed speaker card before the meeting begins. Comments must relate to an item on the current or previous meeting agenda. Speakers have 3 minutes each, in the order cards are received. The total comment period is limited to 30 minutes.*. No one was in attendance for the public comment portion of the meeting, and no comments were received prior to the meeting.

E. APPROVAL OF AGENDA Commissioner Sjoberg moved and Commissioner Braun seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

F. MINUTES

1. *Consider Approval of the November 18, 2025 Board of City Commission Meeting Minutes*. Commissioner Rohr moved and Commissioner Heinsohn seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

G. PUBLIC HEARING

1. *Consider a vacation of a portion of Living Water Drive*. Planner Laqua presented. Mayor Froelich opened the public hearing and invited the public to come forward to comment. A second and third invitation for comment was given. Hearing none, the public hearing closed. Commissioner Braun moved and Commissioner Sjoberg seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

H. BIDS

1. *Consider concurrence of award for the Memorial Highway West project*. City Engineer

Wigness presented. Commissioner Heinsohn moved and Commissioner Braun seconded to concur in awarding the contract to Northern Improvement Company and enter into the cost participation and maintenance agreement with the NDDOT, and to submit a Cost Share Request for the water main and sanitary sewer to the Department of Water Res. Roll Call vote: Aye 5, Nay 0. The motion passed.

I. CONSENT AGENDA Commissioner Sjoberg moved and Commissioner Rohr seconded to approve. Roll Call vote: Aye 5, Nay 0. The motion passed.

1. *2027 Budget Calendar*.

2. *Consider Abatements:*.

a. *Consider 2024 Veterans Credit Abatement for Maurice Jasmann*.

3. *Consider approval of the Audit Engagement Letter from Brady Martz to provide audit services for the year ending December 31, 2025*.

4. *Consider a final plat for Evergreen Heights 5th Addition*.

J. OLD BUSINESS

K. NEW BUSINESS

1. *Consider an Engineering Service Agreement Amendment for the Raw Water Intake project*. City Engineer Wigness and AE2S Project Manager Laith Hintz presented. Commissioner Sjoberg moved and Commissioner Braun seconded to approve Amendment No. 5 with AE2S for engineering services related to the Raw Water Intake Project, as presented. Roll Call vote: Aye 4, Nay 1 Ryan Heinsohn. The motion passed.

2. *Consider the Inmate housing agreement for Burleigh Morton Detention Center (BMDC)*. Police Chief Ziegler presented. Commissioner Heinsohn moved and Commissioner Sjoberg seconded to approve the inmate housing agreement with the BMDC as presented, with the understanding that BMDC will revise Section 16 regarding medical services for specificity and bring proposed amendments to the City Commission for consideration and approval on or before March 31, 2026. Roll Call vote: Aye 5, Nay 0. The motion passed.

L. RESOLUTIONS AND ORDINANCES

1. *Consider adoption of Resolution for the 2025 Morton County Multi-Hazard Mitigation Plan*. Morton County Emergency Manager Patrick Martin presented. Commissioner Sjoberg moved and Commissioner Heinsohn seconded to approve the resolution adopting the 2025 Morton County Multi-Hazard Mitigation Plan. Roll Call vote: Aye 5, Nay 0. The motion passed.

2. *Second consideration of Ordinance 1480, a zone change from RMH & RH - Residential Mobile Home Park to RMH - Residential Residential Mobile Home Park for Block 2, Meadowlands 3rd Add.*. City Building Official Singer presented. Commissioner Braun moved and Commissioner Sjoberg seconded to approve the second consideration of Ordinance 1480. Roll Call vote: Aye 5, Nay 0. The motion passed.

M. OTHER BUSINESS

N. FUTURE MEETING DATES FOR BOARD OF CITY COMMISSIONERS

- *December 16, 2025 at 5:30 p.m.*

- *January 6, 2026 at 5:30 p.m.*
- *January 20, 2026 at 5 p.m.*

.

O. ADJOURN There being no other business to come before the Board, the meeting adjourned at 6:35 p.m.

James Neubauer
City Administrator

James Froelich
Board of City Commissioners

DWR Date Received : 12/22/25

Water Development Plan: Yes (2025)
Plan Priority: High

J 13

# 1086988 - WAWSA - R&T Battleview & McGregor Rural Distribution - Alternative 1 Construction Increase

## Application Details

**Funding Opportunity:**
1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:**
Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 19, 2025 4:11 PM

**Initially Submitted By:** Abby Ritz

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Salutation Cheryl
First Name
Middle Name McNeil
Last Name

**Title:** Financial Controller

**Email*:** cheryl.mcneil@wawsp.com

### Organization Information

**Status*:** Approved

**Name*:**
Western Area Water Supply Authority

**Organization Type*:** Municipal Government

**Tax Id:** 45-2909916

**Organization Website:**

| | | | |
|---|---|---|---|
| **Address*:** | 1117 E Broadway | **Address*:** | PO Box 2343 |
| | Williston North Dakota<br>City State/Province | | Williston North Dakota<br>City State/Province |
| 58801<br>Postal Code/Zip | | 58802-2343<br>Postal Code/Zip | |
| **Phone*:** | (701) 774-6605 204<br>Phone Ext.<br>###-###-#### | **Phone*:** | (701) 774-6605 Ext.<br>###-###-#### |
| **Fax:** | (701) 774-6606<br>###-###-#### | **Fax:** | ###-###-#### |
| **Comments:** | | **Vendor ID:** | |
| | | **PeopleSoft Supplier ID:** | |
| | | **Comments:** | |
| | | **Location Code:** | |

# Infrastructure Funding Request

### *Infrastructure Funding Request*

**Project Name*:**

WAWSA - R&T Battleview & McGregor Rural Distribution Project - Alternate 1

| | |
|---|---|
| **Sponsor(s)*:** | Western Area Water Supply Authority |
| **County*:** | Williams |
| **City*:** | Battleview & McGregor |
| **Description of Request*:** | Updated (previously submitted) |
| **Project Type:** | Rural Water Supply |
| **If Project is a Study, What Type?:** | |

**If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** Missouri River and Ray Aquifer

**Jurisdictions/Stakeholders Involved*:**

Western Area Water Supply Authority, City of Williston, McKenzie County Water Resource District, Northwest Rural Water District, R&T Water District, BDW Rural Water

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

Water demands in northwest North Dakota continue to expand with population growth, commercial and industrial water demand growth, and agricultural producers continue to look for reliable water supplies. WAWSA, in cooperation with its member entities, continues working to expand service to meet these growing demands.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The purpose of the proposed project is to supply quality potable drinking water to new R&T Water District rural users and the citizens of the towns of Battleview and McGregor through the installation of a total of 47 miles of rural distribution pipeline to serve 154 new users. This project will also include the construction of a booster pump station and mainline to service full build out to 169 new customers.

**Describe the Objectives or Goals Specific to This Application*:**

This application is requesting construction cost share for the Alternative 1 portion of the project.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

Alternative 1 within the Battleview & McGregor project will provide service to 53 new rural water customers.

**For this project,**

**Choose City, County, Water District or Other*:** Water District

**What is the Current Estimated Population?*:** 70000

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 200 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | Yes |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | Yes |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | No |
| **Have You Applied for any State Permits?*:** | No |
| **Have You Applied for any Local Permits?*:** | No |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |
| **Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** | No |

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

| | |
|---|---|
| **Study Completion*:** | 08/2022 |
| **Design Completion*:** | 03/2024 |
| **Bid*:** | 05/30/2024 |
| **Construction Start*:** | 08/2024 April 2026 |
| **Construction Completion*:** | 08/2027 |

**Explain Additional Timeline Issues*:**

No timeline issues anticipated.

| | |
|---|---|
| **Consulting Engineer*:** | Weston McGruder, AE2S |
| **Engineer Direct Phone Number*:** | 701-320-4838 |
| **Engineer Email*:** | weston.mcgruder@ae2s.com |

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |

| | | | |
|---|---|---|---|
| **Authorized Individual*:** | Chris | Barke | 12/19/2025 |
| | First Name | Last Name | Date |
| **Title/Position/Authority*:** | Executive Director | | |

| | |
|---|---|
| **Address*:** | 1117 E. Broadway<br>Address Line 1<br>Address Line 2<br>Williston North Dakota 58801-0000<br>City State Zip Code |
| **Direct Phone Number*:** | 701-774-6605 |
| **Sponsor Email*:** | chris.barke@wawsp.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Chris Brostuen<br>First Name Last Name |
| **Authorized Signor Title/Position:** | Chairman |
| **Authorized Signor Email:** | chrisb@ci.williston.nd.us |
| **Authorized Signor Direct Phone Number:** | 701-557-8100 |
| **Provide the Name for One Additional Board Member, if Applicable:** | First Name Last Name |
| **Additional Board Member Title/Position:** | |
| **Additional Board Member Email:** | |
| **Additional Board Member Direct Phone Number:** | |

# Documentation

***Documentation***

**Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** No

CLICK HERE **to see examples.**

**Project Specific Map**
Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community
***:** 03_WAWSA_RT_Battleview_McGregor_Map.pdf

**Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** No

**Are You Seeking Department of Water Resources Cost-Share?*:** Yes

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

**Minutes:** 02_WAWSA_Board_Meeting_Minutes.pdf

**Cover Letter:**

01_WAWSA _RT_Battleview__McGregor_Alt_1_Construction_Funding_Cost_Request_Letter.pdf

**Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** No

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

**Delineation of Costs SFN 61801:**

04_WAWSA_RT_Battleview_McGregor_Base__Alt_1_Delineation_of_Cost.xlsx

**Type of Request:** Construction

**Signed Plans and Specifications For Bidding:** WAWSA_RT_BATTLEVIEW_MCGREGOR_SPECIFICATIONS.pdf

**Is This a Water Supply Project?:** Yes

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

**Life Cycle Cost Analysis:**

05_WAWSA_RT_Battleview_McGregor_Base__Alt_1_Life_Cycle_Cost_Analysis_Worksheet.xlsx

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

**Asset Inventory Assessment:**

06_RT_Battleview_McGregor_BAIA_sfn_62417_basic_asset_inventory_tool.xlsx

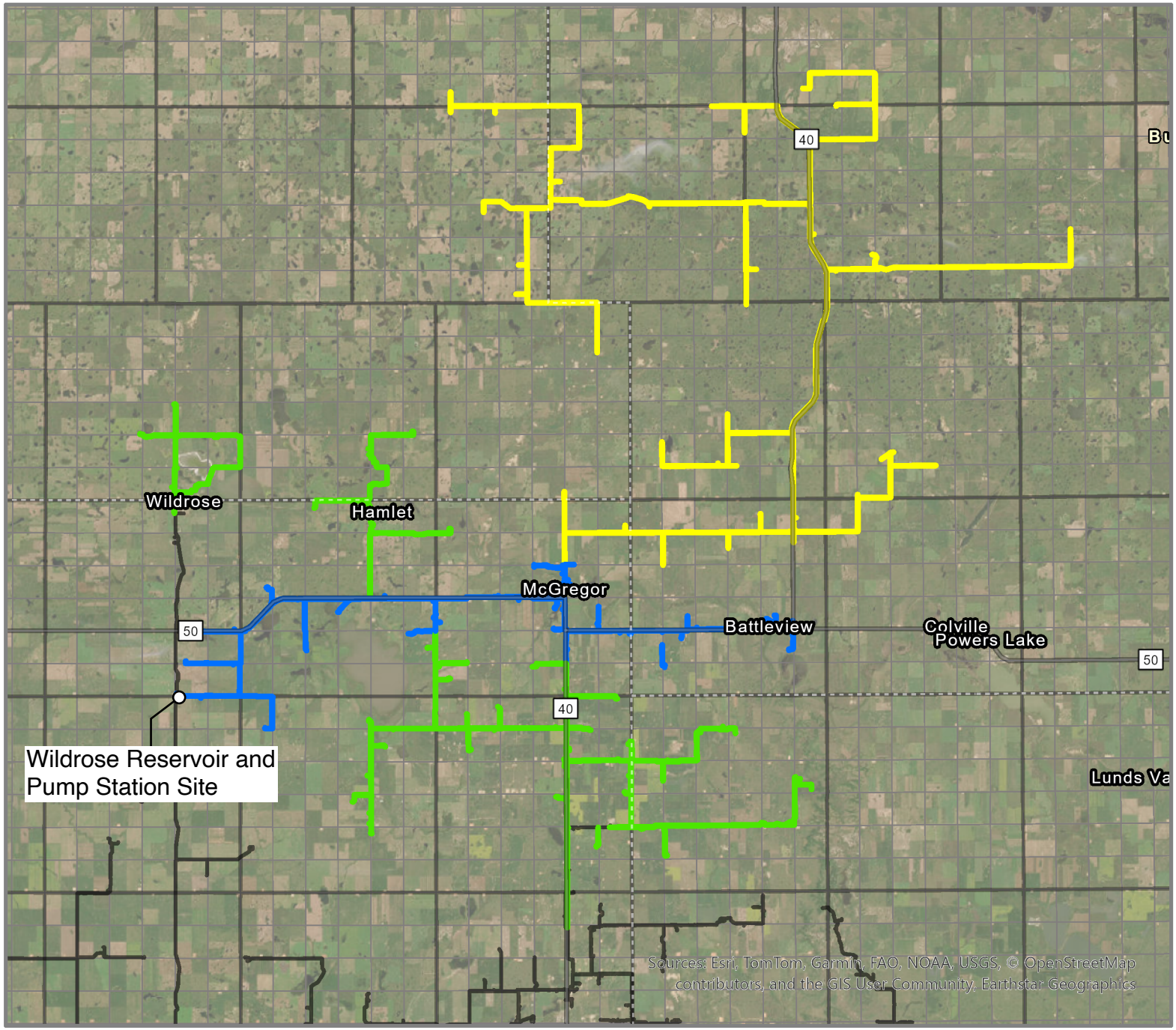
| | |
|---|---|
| **Is This a Rural Flood Control Project?:** | No |
| **Is This a Drain Reconstruction Project?:** | No |
| **Is This a Flood Recovery Property Acquisition Project?:** | No |
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |

**Other Applicable Document(s):** No

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

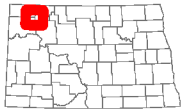
| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Intere Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department of Water Resources Cost Share Pre-Construction | | Already Approved | $318,750.00 | $0.00 | $0.00 | $318,750.00 | 0.00 | 0.00 | |
| Department of Water Resources Cost Share Construction | | Already Approved | $0.00 | $7,737,578.00 | $0.00 | $7,737,578.00 | 0.00 | 0.00 | |
| Department of Water Resources Cost Share Construction | | Current Request | $0.00 | $0.00 | $5,454,817.00 | $5,454,817.00 | 0.00 | 0.00 | |
| Drinking Water State Revolving Fund | | Already Approved | $106,250.00 | $2,945,343.00 | $1,667,122.00 | $4,718,715.00 | 0.00 | 0.00 | |
| | | | **$425,000.00** | **$10,682,921.00** | **$7,121,939.00** | **$18,229,860.00** | | | |




N

0 2.5 5

Miles



Locator Map Not to Scale

Burke, Divide, Mountrail and Williams Counties, ND

- Existing Water Line
- ALT 1 Current Request
- ALT 2
- BASE BID 1 Approved

WAWSA - R&T BATTLEVIEW & MCGREGOR RURAL PROJECT

Date: 12/9/2025

AE2S

www.ae2s.com | Advanced Engineering and Environmental Services, Inc.

*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*

Coordinate System: NAD 1983 StatePlane North Dakota North FIPS 3301 Feet | Edited by: GOlson | Y:\projects\W\WAWSA\10670-2020-011\GIS\P10670-2020-011 R and T Battleview and McGregor - Engineering Staff.aprx | SRF Solicitation Map

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 22, 2025

| | |
|---|---|
| **Date :** | 12/12/25 |
| **Project :** | Battleview & McGregor Rural Distribution - Base & Alt 1 |
| **Sponsor :** | Western Area Water Supply Authority |
| **Contact :** | Chris Barke, Executive Director |
| **Phone :** | 701-774-6605 |
| **Engineer :** | Weston McGruder, Advanced Engineering and Environmental Services |
| **Phone :** | 701-320-4838 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 18,229,860.00 | **Total Cost-Share* :** | $ 13,511,145.00 |
| **Ineligible Cost :** | $ 215,000.00 | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 18,014,860.00 | **Preconstruction :** | $ 318,750.00 |
| **Local Cost :** | $ 4,718,715.00 | **Construction :** | $ 13,192,395.00 |

Current Request: $5,454,817

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Rural | 75% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 75% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs** | | | | | | |
| 6 | 2.3% | Previously Approved Pre-Construction | 1 | NA | 425,000.00 | $ 425,000.00 | 75% | $ 318,750.00 |
| 7 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 8 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 9 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 10 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 2.3% | **Preconstruction Total** | | | | $ 425,000.00 | 75% | $ 318,750.00 |
| | | **Construction Engineering Costs** | | | | | | |
| 11 | 6.8% | Previously Approved Construction Engineering | 1 | NA | 1,242,000.00 | $ 1,242,000.00 | 75% | $ 931,500.00 |
| 12 | 0.6% | Construction Contract Mmgt. | 1 | NA | 106,000.00 | $ 106,000.00 | 75% | $ 79,500.00 |
| 13 | 1.7% | Project Inspection | 1 | NA | 310,000.00 | $ 310,000.00 | 75% | $ 232,500.00 |
| 14 | 0.2% | Post-Construction / Warranty | 1 | NA | 32,000.00 | $ 32,000.00 | 75% | $ 24,000.00 |
| | | | | | | | | |
| | 9.3% | **Construction Engineering Total** | | | | $ 1,690,000 | 75% | $ 1,267,500.00 |
| | | **Construction Costs** | | | | | | |
| 15 | 47.1% | Previously Approved Construction Cost | 1 | LS | 8,595,020.00 | $ 8,595,020.00 | 75% | $ 6,446,265.00 |
| 16 | 3.7% | Mobilization | 1 | LS | 682,000.00 | $ 682,000.00 | 75% | $ 511,500.00 |
| 17 | 0.5% | Bonding | 1 | LS | 100,000.00 | $ 100,000.00 | 75% | $ 75,000.00 |
| 18 | 0.5% | Insurance | 1 | LS | 100,000.00 | $ 100,000.00 | 75% | $ 75,000.00 |
| 19 | 15.5% | Water Main 2 in | 266000 | LF | 10.60 | $ 2,819,600.00 | 75% | $ 2,114,700.00 |
| 20 | 2.9% | Water Main 3 in | 43000 | LF | 12.10 | $ 520,300.00 | 75% | $ 390,225.00 |
| 21 | 2.7% | Water Main 4 in | 35000 | LF | 14.10 | $ 493,500.00 | 75% | $ 370,125.00 |
| 22 | 0.6% | Water Main 6 in | 5000 | LF | 20.60 | $ 103,000.00 | 75% | $ 77,250.00 |
| 23 | 0.4% | Boring - Cased | 850 | LF | 80.00 | $ 68,000.00 | 75% | $ 51,000.00 |
| 24 | 7.3% | Boring - Poly | 46000 | LF | 28.94 | $ 1,331,250.00 | 75% | $ 998,437.50 |
| 25 | 0.4% | Gate Valve | 29 | EA | 2,334.48 | $ 67,700.00 | 75% | $ 50,775.00 |
| 26 | 0.2% | Air Release Valve | 4 | EA | 7,100.00 | $ 28,400.00 | 75% | $ 21,300.00 |
| 27 | 0.2% | Hydrant | 15 | EA | 2,920.00 | $ 43,800.00 | 75% | $ 32,850.00 |
| 28 | 0.2% | Curb Stop | 53 | EA | 800.00 | $ 42,400.00 | 75% | $ 31,800.00 |
| 29 | 1.3% | Meter - Frost Free | 53 | EA | 4,500.00 | $ 238,500.00 | 75% | $ 178,875.00 |
| 30 | 1.4% | Gas/Oil/Saltwater Pipeline Crossing Verification | 250 | EA | 1,050.00 | $ 262,500.00 | 75% | $ 196,875.00 |
| 31 | 0.4% | Seeding | 100 | AC | 700.00 | $ 70,000.00 | 75% | $ 52,500.00 |
| 32 | 0.0% | Gravel | 50 | TON | 51.00 | $ 2,550.00 | 75% | $ 1,912.50 |
| 33 | 0.0% | Ledge Rock Removal | 100 | CY | 64.00 | $ 6,400.00 | 75% | $ 4,800.00 |
| 34 | 0.1% | Detailed Tie-In | 5 | EA | 3,700.00 | $ 18,500.00 | 75% | $ 13,875.00 |
| 35 | 0.0% | Pressure Relief Value | 1 | EA | 6,000.00 | $ 6,000.00 | 75% | $ 4,500.00 |
| 36 | 0.3% | Previously Approved - Pumpstation Electrical Ser | 1 | LS | 50,000.00 | $ 50,000.00 | 75% | $ 37,500.00 |
| | | **Construction Sub-Total** | | | | $ 15,649,420.00 | 75% | $ 11,737,065.00 |
| | 8.6% | **Allowable Contingency (10%)** | | | | $ 1,564,942.00 | 75% | $ 1,173,706.50 |
| | -7.2% | **Elective Contingency Reduction** | -0.839969 | | 1,564,942.00 | $ (1,314,502.00) | 75% | $ (985,876.50) |
| | 87.2% | **Construction Total** | | | | $ 15,899,860.00 | 75% | $ 11,924,895.00 |
| | | Eligible Preconstruction | | | | $ 425,000.00 | 75% | $ 318,750.00 |
| | | Eligible Construction | | | | $ 17,589,860.00 | 75% | $ 13,192,395.00 |
| | | **Eligible Total** | | | | $ 18,014,860.00 | 75% | $ 13,511,145.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.8% | Previously Approved Legal Expenses, Easement, | 1 | NA | 140,000.00 | $ 140,000.00 | 0% | $ - |
| 42 | 0.4% | Legal Expenses, Easement, and Crop Damage | 1 | NA | 75,000.00 | $ 75,000.00 | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 1.2% | **Construction Ineligible Total** | | | | $ 215,000.00 | 0% | $ - |
| | | **Ineligible Total** | | | | $ 215,000.00 | 0% | $ - |
| | 100.0% | **Project Total** | | | | $ 18,229,860.00 | | |
| | | **Federal or State Funds That Supplant Costs** | | | | $ - | | |
| | | **Eligible Cost Total** | | | | $ 18,014,860.00 | 75% | $ 13,511,145.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** Western Area Water Supply Authority
**Project Title:** R&T Battleview & McGregor Rural - Base and Alt 1 **Date:** December 26, 2025

**Explanation of Alternatives:**

Battleview McGregor Rural Distribution (Prior Approved) - Included the installation of a total of 44 miles of rural distribution pipeline to serve 76 rural users between Wildrose, McGregor and Battleview, and the cities of Battleview and McGregor. This project includes a booster pump station and main line to service full build out to 155 new customers.
Battleview McGregor Additional Rural Distribution (Alt 1) – Build out of the above project. This includes the installation of a total of 67 miles of rural distribution pipeline to serve 53 rural users south of the cities of Battleview and McGregor.
Do Nothing - Doing nothing would eliminate the extension of water service to the 53 current and 26 future users (79) that have signed up as part of this phased project.

**Inputs:**

| | |
|---|---|
| New Connections Served | 53 |
| Future Connections Served | 26 |
| Current Connections Served | 76 |
| Net Connections (New + Current) | 129 |

| | |
|---|---|
| Current CIF Balance | $3,353,508 |
| Annual CIF Contribution | $134,140 |
| Cash Funding Target (Percentage %) New Assets | 25% |
| Cash Funding Target (Percentage %) Existing Asets | 50% |
| Annual CIF Contribution suggested for the Project | $37,420 |

| | Battleview McGregor Rural Distribution (Prior Approved) | Battleview McGregor Additional Rural Distribution (Alt 1) | Do Nothing | |
|---|---|---|---|---|
| Construction Cost | $10,452,100 | $7,777,900 | $0 | |
| Annual O & M | $25,000 | $15,000 | $0 | |

**Details:**

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Battleview McGregor Rural Distribution (Prior Approved) | Battleview McGregor Additional Rural Distribution (Alt 1) | Do Nothing | |
|---|---|---|---|---|
| Capital Costs | $10,452,000 | $5,185,000 | $0 | |
| O&M | $669,000 | $399,000 | $0 | |
| Repair, Rehab, Replacement | $1,405,000 | $412,000 | $0 | |
| Salvage Value | $116,000 | $53,000 | $0 | |
| **Total PVC** | **$12,410,000** | **$5,943,000** | $0 | |
| | | | | |
| **PV Cost Per User** | **$163,289** | **$112,132** | **$0** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$96** | | | |
| **Comparable Water Rate** | | **$77** | | | |
| Net Connections (New + Current) | | 76 | 53 | 129 | |
| Cost-Share Percent | | 75% | 75% | 75% | |
| | Local Share | $2,613,000 | $1,296,250 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $2,613,000 | $1,296,250 | $0 | |
| **Payment Per User With Cost-Share** | | **$173.93** | **$123.73** | **$0.00** | |
| | Local Share | $10,452,000 | $5,185,000 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $10,452,000 | $5,185,000 | $0 | |
| **Payment Per User Without Cost-Share** | | **$695.72** | **$494.91** | **$0.00** | |

**Explanation of Results:**

The sponsor preferred project is the "Battleview McGregor Additional Rural Distribution (Alt 1)" option. The present value cost of the requested addition to the current project is $5,943,000 and $0 for the "Do Nothing" alternative for comparison. The present value cost per user for the preferred alternative is $112,132 and $163,289 for the previous project. The monthly user cost of the local share with DWR 75% cost-share participation is $123.73 per month and $494.91 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/22/25

WESTERN AREA WATER SUPPLY AUTHORITY

December 18, 2025

Mr. Reice Haase, Director
North Dakota Department of Water Resources
1200 Memorial Highway, Dept 770
Bismarck, ND 58504

**Re: Western Area Water Supply Authority (WAWSA)**
**Ray & Tioga Water District (R&TWD)**
**Battleview & McGregor Rural Distribution Project -Alternate 1**
**Construction Cost Share Request**

Dear Mr. Hasse:

Over the past decade, WAWSA and its member entities have successfully used North Dakota Department of Water Resources (DWR) cost share funding to support and expand rural water service to over 2,500 new rural customers and to a majority of the Cities throughout northwestern North Dakota. WAWSA, in cooperation with the NWRWD, continues working to expand rural service in Burke, Divide, Mountrail, and Williams Counties through the Battleview & McGregor Project.

The Battleview & McGregor Project in total will service 154 new customers. Including services within the Cities of Battleview and McGregor plus to farms and ranches benefiting area agriculture operations. At the June 2024 State Water Commission meeting, the SWC approved funding for the Base portion of the project. With the Base Project adding 75 new rural water customers and achieving substantial completion, WAWSA and R&TWD are requesting construction cost share for the Alternative 1 portion of the project that will service 53 new rural water customers. Upon completion of the Project's Base and Alternative 1, 128 of the 154 new customers will be receiving quality and safe drinking water.

The costs for the construction of Alternate 1 is estimated at $7,777,840.00 with a 3.6% contingency as provided in the detailed cost estimate. **Currently, WAWSA is requesting 75% cost share approval of the eligible construction project costs for Alternative 1 equal to $5,454,817.00.** With this request, WAWSA's total request including prior approved funding for the Base portion of the project equals $13,511,145.00

Thank you very much for your assistance with this important project for northwest North Dakota. If you have any questions, please do not hesitate to contact me at 701-774-6605.

Respectfully submitted,

Chris Barke

Chris Barke, Executive Director
WAWSA

DWR Date Received : 12/22/25

**Western Area Water Supply Authority**
**Board of Directors Meeting**
**WAWSA Office December 18, 2025**

**Attendees**

Members Present: Kent Bickler, Ellis Haake, Robert Harms, Larry Novak, and Chris Brostuen, also voting for Ward Koeser.

Members Present via Video: Doug Anderson, also voting for Gary Rust, Matt Beard, and Raoul Brandt

Members Absent: Ward Koeser and Gary Rust

Others Present: Chris Barke (WAWSA), Char Imsland (WAWSA), Cheryl McNeil (WAWSA), Dave Bell (WAWSA), Jacob Monson (WAWSA), Shae Johnson (WAWSA), Weston McGruder (AE2S), Curt Clarys (City of Williston), Kenny Bergstrom (City of Williston), David Juma (City of Williston), Ben Clarys (NWRWD), Taylor Galeazzo (MCWRD), Graydon Olson (AE2S) via video, Cory Chorne (AE2S) via video, Dustin Schultz (AE2S) via video, and David Tuan (AE2S) via video.

**Meeting Called to Order**

Chairman Brostuen called the meeting to order at 9:00 am.

**Approval of the Agenda**

Barke requested an amendment to the agenda under the Executive Director's report to change the COW/Trenton Water Users Connection Request from an action item to an update. **Haake moved to approve the agenda as amended, Novak seconded.**

MOTION CARRIED UNANIMOUSLY BY VOICE VOTE.

**Approval of the Minutes**

The November 20, 2025, board meeting minutes were presented for approval. **Harms moved to approve the minutes as presented, Haake seconded.**

Aye: Anderson, Beard, Bickler, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 7-0

**Financial Reports**

The Domestic and Industrial financial reports were presented to the board for their consideration and discussion.

Brandt joined the meeting at 9:05 am.

The November capital accounting report was presented to the board for their consideration and discussion.

**Public Comment Period**

No public comments were presented.

**Executive Director's Report**

Barke provided the board with an update on WAWSA's water usage and system updates.

Barke reported that Select Energy expressed interest in a five-year prepay take-or-pay contract.

**Tank Repairs**

Barke reported that three tanks on the WAWSA system need repairs: 13 Mile, Indian Hills Tank #1, and Keene. He presented a quote from Tank Maintenance Solutions (TMS) for $71,465. The work will be scheduled for 2026. **Novak moved to approve the tank maintenance quote for $71,465, Haake seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

**State Water Commission Update**

Barke reported that he presented a high-level industrial update to the SWC on December 16, 2025.

**COW – Levee Status Update**

David Juma with the City of Williston provided an update on the status of the COW levee.

**COW/Trenton Water User Connection**

Barke provided an update on the COW/Trenton water users connection.

**AE2S Reports**

McGruder presented the 2026 AE2S project management – TO 92 task order for $97,600. This task order is for professional engineering services associated with General Engineering, Funding Application, Rate Modeling and Water Contract Support, Capital Accounting and Financial Reporting, Program Management, Department of Water Resources Coordination and Support, Public Information, and Legislative Support services. **Novak moved to approve the 2026 Program Management Services – TO 92 task order for $97,600, Haake seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

Schultz provided an update on the Williston WTP Intake project.

McGruder provided an update on the construction projects.

**R&T Battleview McGregor – TO 74**

McGruder presented the board with substantial completion on the base project of the R&T Battleview McGregor – TO 74 project. **Bickler moved to approve the substantial completion on the base project for the R&T Battleview McGregor – TO 74 project, Haake seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

McGruder also presented the Alternate I – Project Cost Share Request Letter for the R&T Battleview McGregor project. The cost for the construction of Alternate I is estimated at $7,777,840 with a 3.6% contingency. WAWSA is requesting 75% cost share approval. **Novak moved to approve the R&T Battleview McGregor Alternate I – Project Cost Share Request letter, Harms seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

**MCWRD System II Expansion – TO 90**

McGruder presented task order amendment #1 to the MCWRD System II Expansion – TO 90 project for $132,550. This amendment is for additional services and modifications of payment to the engineer. **Novak moved to approve task order amendment #1 to the MCWRD System II Expansion – TO 90 project for $132,550, Anderson seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

**Invoices for Payment**

The MCWRD System IV Part IV – TO 77, Phase II Transmission Main – TO 88, MCWRD System II Expansion – TO 90, and the NWRWD Trenton Area Rural Distribution – TO 85 invoices for engineering and construction for the month have a combined total of $221,082.04.

**SWC Grant Requests**

**SWC Grant Payment Request**

SWC $9.9M grant request 38-121825, SWC $8M grant request 25-121825, SWC 9.7M grant request 9-121825, SWC $8M grant request 20-121825, SWC $747K grant request 10-121825, SWC $99K grant request 07-121825, SWC $2M grant request 04-121825, SWC $14M grant request 6-121825, and SWC $1M grant request 1-121825 were presented to the board for their approval. **Haake moved to approve the SWC monthly grant requests as presented, Bickler seconded.**

Aye: Anderson, Beard, Bickler, Brandt, Haake, Harms, Novak, and Brostuen
Nay: 0
Carried: 8-0

Brostuen adjourned the meeting at 11:16 am.

_____ _____

Chris Brostuen, Chairman Char Imsland, Secretary

DWR Date Received : 12/22/25
Water Development Plan: No (2025)
J 14

# 1086191 - GRWD - North System Capacity Improvements

## Application Details

**Funding Opportunity:** 1085949-July 2025 - June 2026 Infrastructure Request

**Funding Opportunity Due Date:** Jun 30, 2026 3:00 PM

**Program Area:** Funding for Infrastructure in ND - FIND

**Status:** Submitted

**Stage:** Final Application

**Initial Submit Date:** Dec 19, 2025 4:28 PM

**Initially Submitted By:** Brian Aafedt

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

### Primary Contact Information

**Active User*:** Yes

**Type:** External User

**Name:** Mr. (Salutation) Lonnie (First Name) Lacina (Last Name)

Middle Name

**Title:** Manager

**Email*:** lonniel@grwdnd.com

**Address*:** PO Box 1257

### Organization Information

**Status*:** Approved

**Name*:** Greater Ramsey Water District

**Organization Type*:** Political Subdivision

**Tax Id:** 45-0428798

**Organization Website:**

**Address*:** 113 Shamrock Ln SE

| | | |
|---|---|---|
| | Devils Lake | North Dakota |
| | City | State/Province |
| 58301 | | |
| Postal Code/Zip | | |
| **Phone*:** | 701-662-5681 | Ext. |
| | Phone | |
| | ###-###-#### | |
| **Fax:** | ###-###-#### | |
| **Comments:** | | |

| | | |
|---|---|---|
| | Devils Lake | North Dakota |
| | City | State/Province |
| 58301-0000 | | |
| Postal Code/Zip | | |
| **Phone*:** | (701) 662-5781 | Ext. |
| | ###-###-#### | |
| **Fax:** | ###-###-#### | |
| **Vendor ID:** | | |
| **PeopleSoft Supplier ID:** | | |
| **Comments:** | | |
| **Location Code:** | | |

# Infrastructure Funding Request

### *Infrastructure Funding Request*

| | |
|---|---|
| **Project Name*:** | GRWD - North System Capacity Improvements |
| **Sponsor(s)*:** | Greater Ramsey Water District |
| **County*:** | Ramsey |
| **City*:** | Devils Lake, ND |
| **Description of Request*:** | Updated (previously submitted) |
| **Project Type:** | Rural Water Supply |
| **If Project is a Study, What Type?:** | |
| **If Project is Rural Water Supply or Municipal Water Supply, What is the Name of the Water Supply Source?:** | Greater Ramsey Water District via the Spiritwood - Warwick Aquifer |

**Jurisdictions/Stakeholders Involved*:**

Greater Ramsey Water District

**Describe the Problem/Need and the Circumstances that Led to This Application*:**

Original scope of the GRWD-North System Capacity Improvements project helped to provide redundancy within GRWD's north system WTP/wellfield/transmission pipelines. Original construction requests did not include a new generator unit for the WTP due to cost and budget uncertainties in the post-COVID era and uncertainty surrounding the need to upsize the capacity of onsite generated power. However, as the project has progressed, system demands have continued to increase in part due to an ongoing user expansion (increase in system demands by estimated 10% - North system project original scope predated the conception of the current user expansion), and additions to the facility's power load, including larger high service pumps awarded as a bid Alternate, which have raised concerns about WTP redundancy during power failure. The existing generator is sized at approx. 150 kW of power load. Following the project, the entire electrical load of the facility at firm capacity is now approx. 450 kW.

**Describe the Proposed or Chosen Solution(s) to Address the Problem/Need*:**

The existing unit is now able to provide power to only critical plant components and presents reliability concerns. Therefore, a solution is needed for additional power generation capacity on site, particularly during high demand periods in summer severe weather season as it is located ~25-miles from the GRWD office. As the current project wraps up, it is significantly under budget with remaining project budget (including contingency) totaling approx. $1 million. This request is for a change of scope to utilize remaining project funds and budget for upsizing the facility's generator and supporting equipment to provide reliable power supply that is sized for full plant load and has better long term redundancy, resiliency, and viability. This request would not change the overall previously awarded funds allocated to the project as no additional funds are being requested.

**Describe the Objectives or Goals Specific to This Application*:**

This request would provide GRWD with long term consistent and reliable onsite power generation to meet and support electrical requirements of the full capacities of plant infrastructure as system demands continue to increase related to: greater domestic usage; ongoing system expansion which will serve more than 130 new customers; additional waitlisted users; and a continual high subscription rate GRWD has seen in recent years.

**Describle the Scope of Work or Project Activities Specific to This Application*:**

The scope of work included in this request includes construction to replace and expand the existing on-site diesel generator. Due to the expected size of the expanded new generator unit, it is anticipated that the generator location will need to be moved from inside the plant to an adjacent outdoor location. This would require a concrete support pad for the unit, along with small modifications to electrical

infrastructure onsite and in the facility to support this move. Additionally, this request would include costs for decommissioning, removal, and disposal of existing equipment.

**For this project,**

| | |
|---|---|
| **Choose City, County, Water District or Other*:** | Water District |
| **What is the Current Estimated Population?*:** | 8400 |

**For this project,**

| | |
|---|---|
| **What is the Benefited Population?*:** | 8400 |
| **Have Assessment Districts Been Formed?*:** | N/A |
| **Have Land or Easements Been Acquired?*:** | N/A |
| **Are There Any Properties with Wells, Drain Fields, or Holding Tanks Within the Project Area That Will Benefit from the Project?*:** | No |
| **Are There Any Road Improvements Included as Part of the Project?*:** | No |
| **Have You Applied For Any Federal Permits?*:** | N/A |
| **Have You Applied for any State Permits?*:** | N/A |
| **Have You Applied for any Local Permits?*:** | N/A |
| **Do You Expect Any Obstacles to Implementation (i.e. Problems with Land Acquisition, Permits, Funding, Local Opposition, Environmental Concerns, etc.)?*:** | No |

**Have You Received, or Do You Anticipate Receiving Federal Funding?** (Example: Hazard Mitigation Grant Program) ***:** No

## Implementation Timelines

Enter Start Date, Estimated Start Date or Not Applicable.

**Study Completion*:** 04/2022

**Design Completion*:** December 2025

**Bid*:** N/A

**Construction Start*:** Summer 2026

**Construction Completion*:** Fall 2026

**Explain Additional Timeline Issues*:**

None anticipated at this time. Work included under previous requests (original scope) for the GRWD - North System Capacity Improvements project are expected to be complete by this time.

**Consulting Engineer*:** Brian Aafedt, AE2S

**Engineer Direct Phone Number*:** 701-746-8087

**Engineer Email*:** brian.aafedt@ae2s.com

***Certification (Must Be Completed by Project Sponsor)***

| | |
|---|---|
| **It is an Offense to Intentionally Falsify Statements as Part of the Cost-Share Application Process Per NDCC 12.1-11-02. Therefore, I Certify That, to the Best of My Knowledge, the Provided Information is True and Accurate, and in Execution of This Project, the Sponsor Will Follow All Applicable Laws and Permitting Requirements. I Further Certify Assurance of Sustainable Operation, Maintenance, and Replacement of The Assets For Which We Are Requesting Cost-Share.*:** | Yes |
| **Authorized Individual*:** | Lonnie (First Name) Lacina (Last Name) 12/19/2025 (Date) |
| **Title/Position/Authority*:** | Manager |
| **Address*:** | PO Box 1257<br>Address Line 1<br>Address Line 2<br>Devils Lake, ND (City) North Dakota (State) 58301-0000 (Zip Code) |
| **Direct Phone Number*:** | 701-662-5781 |
| **Sponsor Email*:** | lonniel@grwdnd.com |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |
| **Enter the Full Name of the Individual Who Has Legal Authority to Sign the Cost-Share Agreement on Behalf of the Sponsor:** | Allen (First Name) Johnson (Last Name) |

| | |
|---|---|
| **Authorized Signor Title/Position:** | President |
| **Authorized Signor Email:** | sallyb@grwdnd.com |
| **Authorized Signor Direct Phone Number:** | 701-662-5781 |
| **Provide the Name for One Additional Board Member, if Applicable:** | Missy Abrahamson<br>First Name Last Name |
| **Additional Board Member Title/Position:** | Vice President |
| **Additional Board Member Email:** | sallyb@grwdnd.com |
| **Additional Board Member Direct Phone Number:** | 701-662-5781 |

# Documentation

***Documentation***

| | |
|---|---|
| **Project in Extraterritorial Jurisdiction? If Yes, Add Boundary to Project Specific Map.*:** | No |
| CLICK HERE **to see examples.** | |
| **Project Specific Map**<br>Must Include Project Location in State Using an Inset Map and Distance/Direction to Nearest Community<br>***:** | GRWD North System Improvements Map 12-2025.pdf |
| **Are You Seeking Funding From the State Revolving Fund or BND Infrastructure Revolving Loan Fund?*:** | No |
| **Are You Seeking Department of Water Resources Cost-Share?*:** | Yes |

Attach Minutes (Can Be Draft and Unsigned), and a Cover Letter Acknowledging the Cost-Share Request that is Signed by a Representative of the Sponsoring Entity (Mayor, Board Chair, City Administrator, District Manager, Executive Director, Etc.).

**Minutes:** December 16 2025 Meeting Minutes.pdf

**Cover Letter:** Signed Cover Letter 12-16-25.pdf

**Are You Seeking Cost-Share for a Main Street Initiative Related Project?:** No

CLICK HERE **for SFN 61801 Delineation of Costs Instructions and Current Version.**

**Delineation of Costs SFN 61801:**

sfn_61801_delineation_of_cost 20251203 Updated Project Budget.xlsx

**Type of Request:** Construction

**Signed Plans and Specifications For Bidding:**

12-10-25 - GRWD WTP Generator Expansion - Combined Plans Specs.pdf

**Is This a Water Supply Project?:** Yes

CLICK HERE **for Life Cycle Cost Analysis Instructions and Current Version, as Shown on Title Tab.**

**Life Cycle Cost Analysis:** life_cycle_cost_analysis_worksheet 20.xlsx

CLICK HERE **for SFN 62417 Basic Asset Inventory Tool and Current Version.**

**Asset Inventory Assessment:** GRWD_State Basic Asset Inventory Tool 2025.xlsx

**Is This a Rural Flood Control Project?:** No

**Is This a Drain Reconstruction Project?:** No

**Is This a Flood Recovery Property Acquisition Project?:** No

| | |
|---|---|
| **If Request is for Construction of a Community Flood Control or Water Conveyance Project (Excluding Assessment Drain Projects), is the Total Construction Cost $200,000 or More?:** | No |
| **Sovereign Land Permit, if Required for Construction Request:** | |
| **DWR Construction Permit, if Required for Construction Request:** | |
| **Conditional Letter of Map Revision (CLOMR), if Required for Construction Request:** | |
| **Has a Feasibility/Engineering Study Been Completed for the Project?:** | No |
| **Photos of Problem/Issue:** | |
| **GIS Files:** | Please Compress All Files Into One .zip File. |
| **Other Applicable Document(s):** | |

# Sources

***Project Funding Sources - Include All Funding Sources for the Project (Should Equal Project Cost)***

| Source | If Other, Specify Funding Source | Source Status | State Fiscal Year 1 July to June | State Fiscal Year 2 July to June | Beyond Current Biennium | Total Cost | Type | Term | Interest Rate |
|---|---|---|---|---|---|---|---|---|---|
| Department | | Already | $9,659,360.00 | $0.00 | $0.00 | $9,659,360.00 | Grant | 0.00 | 0.00 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| of Water Resources Cost Share Construction | | Approved | | | | | | | |
| Other | Local Share | | $3,219,787.00 | $0.00 | $0.00 | $3,219,787.00 | | 0.00 | 0.00 |
| | | | **$12,879,147.00** | **$0.00** | **$0.00** | **$12,879,147.00** | | | |

www.ae2s.com | Advanced Engineering and Environmental Services, LLC

# GREATER RAMSEY WATER DISTRICT

16" Transmission pipeline to increase north system capacities - previously approved

GRWD Office

New 2" pipeline loops to boost pressures to users - previously approved

New Saunders Pump Station with 500,000 gallons underground storage - previously approved

New 6" Transmission pipeline to Doyon area - previously approved

WTP and Wellfield capacity improvements - previously approved

WTP Generator Expansion- current request

1,000 feet of raw water pipeline - previously approved

Pare Tower

Pump Station
Water Tower
New Pumping Station
Water Treatment Plant
New 16" Pipeline
New 2" Pipeline
New 6" Pipeline

Project Area

Devils Lake
Grary
Stevens
Doyon
Highway 2
Tokio
Lake Mountain
Stump Lake
87th Ave NE
Warwick
Hamar
WTP
Tolna
Dayton
93rd Ave NE
Grand Forks
Fargo
Jamestown
Cavalier
Pembina
Towner
Walsh
Ramsey
Benson
Spirit Lake Reservation
Nelson
Eddy
Wells
Foster
Griggs
Steele
Traill
Stutsman
Barnes
Cass
1554 ft
1572 ft

*Information depicted may include data unverified by AE2S. Any reliance upon such data is at the user's own risk. AE2S does not warrant this map or its features are either spatially or temporally accurate.*

Locator Map Not to Scale
0 4,000 8,000
US Feet
1 inch = 12,500 feet

N

## GRWD NORTH SYSTEM IMPROVEMENTS MAP

GREATER RAMSEY WATER DISTRICT
Devils Lake, ND

Date: 12/11/2025

**DELINEATION OF COSTS**
NORTH DAKOTA DEPARTMENT OF WATER RESOURCES
PLANNING AND EDUCATION
SFN 61801 (11/2025)

DWR Date Received : December 22, 2025

| | |
|---|---|
| **Date :** | 12/19/25 |
| **Project :** | GRWD North System Improvements |
| **Sponsor :** | Greater Ramsey Water District |
| **Contact :** | Lonnie Lacina, Manager |
| **Phone :** | 701-662-5781 |
| **Engineer :** | Brian Aafedt, AE2S |
| **Phone :** | 701-746-8087 |

| | | | |
|---|---|---|---|
| **Total Cost :** | $ 12,879,146.67 | **Total Cost-Share* :** | $ 9,659,360.00 |
| **Ineligible Cost :** | $ - | **Other Eligible:** | $ - |
| **Eligible Cost :** | $ 12,879,146.67 | **Preconstruction :** | $ 607,283.25 |
| **Local Cost :** | $ 3,219,786.67 | **Construction :** | $ 9,052,076.75 |

Current Request = $0

| **Project Type:** | **Cost-share %** |
|---|---|
| Water Supply - Rural | 75% |

| Item | % of Cost | Cost Classification | Quantity | Unit | Unit Price | Total | Cost-Share % | Cost-Share $ |
|---|---|---|---|---|---|---|---|---|
| | | **BAIA / CIP, EAP, DWR Sponsored Project, or Cooperative Program Costs** | | | | | | |
| 1 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 2 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 3 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 4 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 5 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | 0.0% | **Other Eligible Total** | | | | $ - | 75% | $ - |
| | | **Preconstruction (Feasibility, Preliminary, Final Design) Engineering Costs (Spent to Date or Budgeted/Contracted amount to spend)** | | | | | | |
| 6 | 0.3% | Preliminary Design | 1 | LS | 35,000.00 | $ 35,000.00 | 75% | $ 26,250.00 |
| 7 | 5.4% | Final Design | 1 | LS | 690,326.00 | $ 690,326 | 75% | $ 517,744.50 |
| 8 | 0.5% | Bidding/Negotiations | 1 | LS | 60,000.00 | $ 60,000 | 75% | $ 45,000.00 |
| 9 | 0.2% | Geotechnical | 1 | LS | 24,385.00 | $ 24,385 | 75% | $ 18,288.75 |
| 10 | 0.0% | | | | | $ - | 75% | $ - |
| | 6.3% | **Preconstruction Total** | | | | $ 809,711.00 | 75% | $ 607,283.25 |
| | | **Construction Engineering Costs (Spent to Date or Budgeted/Contracted amount to spend)** | | | | | | |
| 11 | 5.8% | Project Inspection | 1 | LS | 750,000.00 | $ 750,000.00 | 75% | $ 562,500.00 |
| 12 | 1.5% | Crop Damage, Power to Site, Permit Fees | 1 | LS | 197,417.91 | $ 197,417.91 | 75% | $ 148,063.43 |
| 13 | 0.0% | | | | | $ - | 75% | $ - |
| 14 | 0.0% | | | | | $ - | 75% | $ - |
| | 7.4% | **Construction Engineering Total** | | | | $ 947,418 | 75% | $ 710,563.43 |
| | | **Construction Costs (Spent to Date or Budgeted/Contracted amount to spend)** | | | | | | |
| 15 | 0.0% | Mobilization | 0 | LS | - | $ - | 75% | $ - |
| 16 | 0.0% | Bonding | 0 | | - | $ - | 75% | $ - |
| 17 | 0.0% | Insurance | 0 | | - | $ - | 75% | $ - |
| 18 | 27.6% | Transmission Lines | 1 | LS | 3,556,017.36 | $ 3,556,017.36 | 75% | $ 2,667,013.02 |
| 19 | 1.4% | Groundwater Wells | 1 | LS | 183,074.20 | $ 183,074.20 | 75% | $ 137,305.65 |
| 20 | 33.6% | WTP Optimization & New Underground Res. Boos | 1 | LS | 4,321,484.00 | $ 4,321,484.00 | 75% | $ 3,241,113.00 |
| 21 | 14.3% | WTP Optimization & New Underground Res. Boos | 1 | LS | 1,839,883.00 | $ 1,839,883.00 | 75% | $ 1,379,912.25 |
| 22 | 1.9% | Supervisory Control & Data Acquisition System | 1 | LS | 250,000.00 | $ 250,000.00 | 75% | $ 187,500.00 |
| 23 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 24 | 4.9% | WTP Generator Expansion (Current Request) | 1 | LS | 625,000.00 | $ 625,000.00 | 75% | $ 468,750.00 |
| 25 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 26 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 27 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 28 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 29 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 30 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 31 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 32 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 33 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 34 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 35 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| 36 | 0.0% | | 0 | | - | $ - | 75% | $ - |
| | | **Construction Sub-Total** | | | | $ 10,775,458.56 | 75% | $ 8,081,593.92 |
| | 8.4% | **Allowable Contingency (10%)** | | | | $ 1,077,545.86 | 75% | $ 808,159.39 |
| | -5.7% | **Elective Contingency Reduction** | 1 | **LS** | (730,986.66) | $ (730,986.66) | 75% | $ (548,240.00) |
| | 86.4% | **Construction Total** | | | | $ 11,122,017.76 | 75% | $ 8,341,513.32 |
| | | | | | Eligible Preconstruction | $ 809,711.00 | 75% | $ 607,283.25 |
| | | | | | Eligible Construction | $ 12,069,435.67 | 75% | $ 9,052,076.75 |
| | | | | | **Eligible Total** | $ 12,879,146.67 | 75% | $ 9,659,360.00 |
| | | **Ineligible Preconstruction Costs** | | | | | | |
| 37 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 38 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 39 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 40 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Preconstruction Ineligible Total** | | | | $ - | 0% | $ - |
| | | **Ineligible Construction Costs** | | | | | | |
| 41 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 42 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 43 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| 44 | 0.0% | | 0 | | - | $ - | 0% | $ - |
| | 0.0% | **Construction Ineligible Total** | | | | $ - | 0% | $ - |
| | | | | | **Ineligible Total** | $ - | 0% | $ - |
| | 100.0% | | | | **Project Total** | $ 12,879,146.67 | | |
| | | | | | **Federal or State Funds That Supplant Costs** | $ - | | |
| | | | | | **Eligible Cost Total** | $ 12,879,146.67 | 75% | $ 9,659,360.00 |

* The cost-share estimate is for planning and informational purposes only and does not guarantee a financial commitment from the State Water Commission.

# Life Cycle Cost Analysis Review

**Sponsor:** Greater Ramsey Water District
**Project Title:** North System Capacity Improvements **Date:** December 26, 2025

**Explanation of Alternatives:**

Original Scope - GRWD continues operating with existing Generator. Existing Unit would only be able to provide power to critical plant components, reducing capacity, and potentially impacting availability during high demand periods in summer severe weather season.
GRWD WTP Generator Expansion (Preferred Alternative) – Replace the existing generator to increase onsite power generation to meet plant needs and provide a reliable long-term solution to redundancy at the facility during the event of power failure.
Do Nothing - GRWD continues operating without enough capacity to meet demands of customers.

**Inputs:**

| | |
|---|---|
| New Connections Served | 0 |
| Future Connections Served | 0 |
| Current Connections Served | 2630 |
| Net Connections (New + Current) | 2630 |

| | |
|---|---|
| Current CIF Balance | $7,700,000 |
| Annual CIF Contribution | $1,000,000 |
| Cash Funding Target (Percentage %) New Assets | 25% |
| Cash Funding Target (Percentage %) Existing Asets | 35% |
| Annual CIF Contribution suggested for the Project | $7,346 |

**Annual CIF Contribution based on Change of scope only**

| | Original Scope | Expansion (Preferred Alternative) | Do Nothing | |
|---|---|---|---|---|
| Construction Cost | $12,254,200 | $12,879,200 | $0 | |
| Annual O & M | $75,000 | $15,000 | $21,800 | |

**Details:**

Directly from the Application, "The existing unit is now able to provide power to only critical plant components and presents reliability concerns. Therefore, a solution is needed for additional power generation capacity on site, particularly during high demand periods in summer severe weather season as it is located ~25-miles from the GRWD office. As the current project wraps up, it is significantly under budget with remaining project budget (including contingency) totaling approx. $1 million. This request is for a change of scope to utilize remaining project funds and budget for upsizing the facility's generator and supporting equipment to provide reliable power supply that is sized for full plant load and has better long term redundancy, resiliency, and viability. This request would not change the overall previously awarded funds allocated to the project as no additional funds are being requested."

**LCCA Model Results:**

Scenario Analysis - Present Value Life Cycle Cost Summary

| Present Value | Original Scope | Expansion (Preferred Alternative) | Do Nothing | |
|---|---|---|---|---|
| Capital Costs | $12,254,000 | $12,879,000 | $0 | |
| O&M | $2,003,000 | $399,000 | $606,000 | |
| Repair, Rehab, Replacement | $7,559,000 | $7,559,000 | $0 | |
| Salvage Value | $1,150,000 | $1,150,000 | $0 | |
| **Total PVC** | **$20,666,000** | **$19,687,000** | $606,000 | |
| | | | | |
| **PV Cost Per User** | **$7,858** | **$7,486** | **$230** | |

| | | | | | |
|---|---|---|---|---|---|
| **Current Water Rate (Cost Per 5000g)** | | **$68** | | | |
| **Comparable Water Rate** | | **$78** | | | |
| Net Connections (New + Current) | | 2,630 | 2,630 | 2,630 | |
| Cost-Share Percent | | 60% | 60% | 60% | |
| | Local Share | $4,901,600 | $5,151,600 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $4,901,600 | $5,151,600 | $0 | |
| **Payment Per User With Cost-Share** | | **$9.43** | **$9.91** | **$0.00** | |
| | Local Share | $12,254,000 | $12,879,000 | $0 | |
| | Other Funding | $0 | $0 | $0 | |
| | Total Local | $12,254,000 | $12,879,000 | $0 | |
| **Payment Per User Without Cost-Share** | | **$23.57** | **$24.77** | **$0.00** | |

**Explanation of Results:**

The sponsor preferred project is the “GRWD WTP Generator Expansion” option. The present value cost of the preferred alternative is $19,879,000 and $20,666,000 for the “Original Scope” alternative for comparison. The capital expenditure cost for the preferred alternative is $12,879,000 which includes the original scope and use of $625,000 of the contingency funding previously approved for the generator. The present value cost per user for the preferred alternative is $7,486. The monthly user cost of the local share with DWR 75% cost-share participation is $9.91 per month and $24.77 without DWR participation.

The economic model appears to have functioned properly. The results are deemed to be reliable and repeatable with the inputs provided by the project sponsor.

LCCA Version Version 1.2024.04.18

DWR Date Received : 12/22/25

113 Shamrock Ln SE PO Box 1257
Devils Lake, ND 58301
Phone: 701-662-5781
Fax: 701-662-6623
Toll-Free: 888-223-0090
www.grwdnd.com

GREATER RAMSEY WATER DISTRICT

December 16, 2025

Reice Haase
Director – Department of Water Resources
1200 Memorial Highway
Bismarck, ND. 58504

**Re: Greater Ramsey Rural Water District (GRWD)**
**GRWD – North System Capacity Improvements Construction Cost Share Request**
**Cost Share Request for 2025 – 2026 Biennium**

Dear Director Haase:

This letter shall serve to acknowledge that Greater Ramsey Water District (GRWD) is requesting reallocation of previously approved construction cost share from the North Dakota State Water Commission (SWC) for the GRWD – North System Capacity Improvements Project. This reallocation is for the addition of a new on-site power generation unit and associate work at the GRWD water treatment plant. Details of this request can be found within the application.

Costs associated with this addition can be found within the application. Within our request you will also find meeting minutes attached which show a motion stating the intent of GRWD to apply for this request.

Thank you very much for your assistance with this important project for Greater Ramsey Water District. If you have any questions, please feel free to contact GRWD at 701-662-5781 or Brian Aafedt with Advanced Engineering and Environmental Services, LLC. at (701) 746-8087.

Sincerely,

Al Johnson
Greater Ramsey Water District Board of Directors President

c: Brian Aafedt, Project Manager

DWR Date Received : 12/22/25

# GREATER RAMSEY WATER DISTRICT
## SPECIAL MEETING
December 16, 2025

**DIRECTORS PRESENT**: Paul Becker, Gilbert Black, David Hovendick, Allen Johnson, Doug Mohr, Kale Miller (electronically), Missy Abrahamson (electronically)

**OTHERS PRESENT**: Lonnie Lacina, Sally Herda - GRWD; Brian Aafedt – $AE_2S$

The meeting was called to order at 8 a.m. by President Johnson at the District office.

The meeting was called by President Johnson for the purpose of reviewing and submitting funding request to the State Water Commission for a new generator at the water treatment plant.

The directors discussed the project and funding request. The State Water Commission has requested funding requests be submitted prior to Christmas for consideration at the February meeting.

Motion by Mohr, seconded by Abrahamson to approve the funding request submission to the ND State Water Commission for approval of reallocation of previously awarded construction cost-share for a new generator at the water treatment plant. All directors voted aye and **motion carried unanimously.**

Meeting adjourned at 8:07.

Minutes Approved: _____

Allen Johnson, President _____

Sally Herda, Office Manager _____

DRAFT