

GARRISON DIVERSION CONSERVANCY DISTRICT
Garrison Diversion Conservancy District
Carrington, North Dakota
April 11 & 12, 2023

AGENDA

April 11

- 1:00 p.m. I. Call to Order & Pledge of Allegiance – Alan Walter
- 1:01 p.m. II. Roll Call – Lisa Schafer
- 1:02 p.m. III. Announcements and Introductions – Alan Walter
- 1:04 p.m. IV. **Reading and Consideration of Minutes** – Alan Walter
- A. **>Board of Directors – January 12 & 13, 2023**
- 1:05 p.m. V. WaterSMART Program – Patrick Erger and Marlen Lanini, BOR
- 2:05 p.m. VI. >Bureau of Reclamation Report – Dani Fettig
- 2:10 p.m. VII. Department of Water Resources Report – Andrea Travnicek
- 2:20 p.m. VIII. ND Water Users/Irrigation Association Reports – Dani Quissell
- A. >Legislative Report
- 2:30 p.m. IX. 2023 Legislative Session – Duane DeKrey/Merri Mooridian
- 2:45 p.m. X. Officers and Committee Reports
- A. Chairman – Alan Walter
1. Executive Committee
- a. **>*Financial Statements** – Merri Mooridian
- b. >2024 Draft Budget – Merri Mooridian
- c. >Budget Timeline – Merri Mooridian
- d. >Electronic Device Policy
- B. Vice Chairman – Jay Anderson
- C. Second Vice Chairman – Greg Bischoff
- D. Recreation Committee – Bruce Klein
1. >Approved Projects List
2. Stump Lake Recreational Area Update – Duane DeKrey
- 3:05 p.m. **COFFEE BREAK**
- 3:20 p.m. XI. Officers and Committee Reports Continued
- E. Agriculture & Natural Resources Committee – Mark Cook
1. >Oakes Irrigation Research Site Building Update – Kelly Klosterman
2. **>*Irrigation Repayment Options** – Kip Kovar
- F. Red River Valley Committee – Ken Vein
- 3:45 p.m. XII. Red River Valley Water Supply Project Update
- A. Construction Update – Kip Kovar
1. >Missouri River Intake Screen Structure & Tunnel, Contract 2
- a. Change Order 5 on Task Order 2530 – Differing Site Conditions
- B. >Work Plan Update – Kip Kovar
- C. >Program Schedule – Merri Mooridian
- D. >Program Budget – Merri Mooridian

- E. Financial Update – Merri Mooridian
1. >**Branch Pipeline Reserve Methodology** – Merri Mooridian
- 4:15 p.m. XIII. **Closed Executive Session pursuant to N.D.C.C. § 44-04-11.2 to discuss:**
- A. **Easement Contracts**
- 5:00 p.m. **RECESS**
- 5:15 p.m. *Social at Garden Gate Sponsored by Black & Veatch*
- April 12**
- 8:30 a.m. XIV. **Board Photo**
- 9:15 a.m. XV. MR&I Program – Merri Mooridian
1. >Water Supply Assistance Grant Program
 2. >MR&I Construction Report – Duane DeKrey
 3. >**FY2023 Funding - NAWS and ENDAWS**
- 9:30 a.m. XVI. >NE North Dakota Partnership Request – Kip Kovar
- 9:40 a.m. XVII. O&M Update – Ryan Anderson
- 9:45 a.m. XVIII. >Irrigation Update – Ryan Anderson
- A. >2023 Irrigation Interest
- 9:55 a.m. XIX. Snake Creek Embankment EA – Kip Kovar/Duane DeKrey
- 10:05 a.m. XX. >**ND Insurance Reserve Fund Annual Meeting & Election** – Duane DeKrey
- 10:10 a.m. XXI. Trip Reports
- A. Family Farm Alliance Conference
 1. >Mark Cook
 2. >Dave Anderson
 - B. Groundwater Management District Assoc. Conference
 2. >Jay Anderson
 - C. Red River Basin Commission Conference
 1. >Dave Anderson
- 10:30 a.m. XXII. General Manager's Report – Duane DeKrey
- A. Audio/Visio Equipment Update
 - B. Missouri River Implementation Committee
- 10:35 a.m. XXIII. Future Meetings – Alan Walter
- A. >2023 Garrison Diversion Meetings
 - B. Water Commission Meeting – April 13, Bismarck
 - C. LAWA Board Meeting – April 14, Fargo
 - D. >NWRRA Federal Water Issues Conf. – April 17-20, Washington, DC
 - E. Water Commission Meeting – June 8, Bismarck
 - F. Groundwater Management Dist. Assoc. Conf. – July 10-13, Santa Fe, NM
- 10:40 a.m. XXIV. Other Business – Alan Walter
- 10:45 a.m. **ADJOURN**

Items in bold require action by the Board

*** Requires a roll call vote**

The following minutes are in draft form subject to review and approval by the Board of Directors at its next meeting.

23-01

**GARRISON DIVERSION CONSERVANCY DISTRICT
BOARD OF DIRECTORS
Garrison Diversion Conservancy District
Carrington, North Dakota**

January 12 & 13, 2023

A meeting of the Garrison Diversion Conservancy District Board of Directors was held on January 12 and 13, 2023, at the Garrison Diversion Conservancy District in Carrington, North Dakota. The meeting was called to order by Chairman Walter at 1:30 p.m. on January 12.

MEMBERS PRESENT

Chairman Alan Walter
Vice Chairman Jay Anderson
Second Vice Chairman Greg Bischoff
Director Dave Anderson
Director Kyle Blanchfield
Director Richard Cayko
Director Mark Cook
Director Steve Forde
Director Cliff Hanretty
Director David Johnson (day one)
Director Geneva Kaiser
Director Bruce Klein
Director Kelly Klosterman
Director Margo Knorr
Director Ward Koeser
Director Brandon Krueger
Director Jeff LeDoux (by video conference)
Director Steve Metzger
Director Bill Ongstad
Director Brian Orn
Director Jim Pellman
Director Kenny Rogers
Director Jason Siegert
Director Mike Tweed
Director Ken Vein
Director Donald Zimbleman (by video conference day one)
Secretary Duane DeKrey

MEMBERS ABSENT

Director Nikki Boote
Dave Johnson (day two)
Director Larry Kassian
Director Donald Zimbleman (day two)

OTHERS PRESENT

Garrison Diversion staff members and others were present. A copy of the registration sheet is attached to these minutes as Annex I.

The meeting was recorded to assist with compilation of the minutes.

ANNOUNCEMENTS AND INTRODUCTIONS

Chairman Walter called on others in attendance to introduce themselves.

OATH OF OFFICE

Tami Norgard, Vogel Law, performed the oath of office for new and re-elected board members.

READING OF THE MINUTES

Motion by Director Cayko to dispense with a reading of the October 6, 2022, Committee of the Whole and October 6 and 7, 2022, Board of Directors minutes and approve them as distributed. Second by Director Metzger. Upon voice vote, motion carried.

OFFICER AND COMMITTEE REPORTS

Chairman - - Chairman Walter provided a summary of the December 16, 2021, Executive Committee meeting.

Executive Committee**Audit Engagement Letter**

Cindy Hewitt, Accounting Specialist, Garrison Diversion, referred to the audit engagement letter received from EideBailly. Garrison Diversion has requested EideBailly audit the 2022 modified cash financial statements of the governmental activities and each major fund. This letter confirms the audit and explains the audit process and the management responsibilities. The price of the audit is \$30,650 . A copy of the letter is attached to these minutes as Annex II.

Motion by Director Metzger to approve the audit engagement with EideBailly to conduct an audit of Garrison Diversion's 2022 financial statements. Second by Director Hanretty. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

Financial Statements

Merri Mooridian, Administrative Officer, Garrison Diversion, referred to and reviewed Garrison Diversion's financial statements for the period of January 1, 2022, through December 31, 2022. Copies of the financial statements are attached to these minutes as Annex III.

Revenues through December 31 are broken out as follows: General Fund \$4,476,561; MR&I Fund \$25,442,373; O&M Fund \$6,302,460; RRVWSP Fund \$26,786,840 and Irrigation Fund \$888,071.

Expenditures were: General Fund \$4,069,469; MR&I Fund \$25,421,501; O&M Fund \$5,335,606; RRVWSP Fund \$28,857,195 and Irrigation Fund \$752,710. Transfers out, which are indirect fees paid from the General Fund to the other funds, total \$461,073.

The income budget for 2022 was \$64,365,806. Income received through December 31 is \$63,888,305 or 99.3 percent of budget.

Total expenses budgeted were \$66,063,497. Actual expenditures were \$64,436,481 or 97.5% budget. Adding in the transfers in and out, the budget was \$65,606,346. Expenditures were \$63,975,408 or 97.5% of the budget.

Garrison Diversion's reserve accounts total \$8,002,820.

Deposits at Bank of North Dakota are \$4,835,782; First International Bank & Trust \$13,514,530; Farm Credit Services \$1,000 and Bremer Bank \$4,094,515.

Motion by Director Tweed to accept the financial statements for the period of January 1, 2022, through December 31, 2022. Second by Director Bischoff. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

2022 Budget Revisions

Ms. Hewitt called the board's attention to the net change in the fund balance on the General Fund budget, which shows **(\$1,697,691)**, adding this is not typical. The reason for this is funds were withdrawn from the reserve accounts for the RRVWSP Series C funding and for the payout of irrigation acres. This was all approved at previous board meetings.

Ms. Hewitt went on to review Garrison Diversion's 2022 budget revisions RV3 with the board. A copy of the budget revisions is attached to these minutes as Annex IV.

Motion by Director Cayko to approve the following 2022 budget revisions:

Revenue

Contract Revenue-RRVWSP, increase of \$2,040,000

Expenses

General Fund

Maintenance & Repair

Equipment Maintenance, increase of \$1,000

Land & Bldg Maintenance, decrease of \$1,000

Irrigation Fund

Debt Payments

Principal, decrease of \$370

Interest, increase of \$370

RRV Water Supply Project
ROW, decrease of \$110,000
Construction, increase of \$2,105,000
Professional Services
Financing/Legal/Administration, increase of \$45,000

Second by Director Vein. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

Budget Timeline

Ms. Hewitt reviewed the Budget Timeline for the 2024 budget preparation process.

Vice Chairman - - Jay Anderson, Vice Chairman, commented on various meetings he has attended on behalf of Garrison Diversion, involving the Red River Valley Water Supply Project (RRVWSP), National Water Resources Association (NWRA) and the Upper Missouri Water Association.

1st Report of the Nominating Committee - - Director Tweed, member of the Nominating Committee, reported there are seven Executive Committee positions up for election this year . The first two-year terms of the three officers are complete and four other seats on the committee have expiring terms. The four individuals with expiring terms are eligible for re-election and have indicated they would like to run again.

The Nominating Committee nominates the following for the officer positions for the Executive Committee positions: Alan Walter, Chairman; Jay Anderson, Vice Chairman; and Greg Bischoff, Second Vice Chairman. For the remaining four positions open to serve on the Executive Committee: Geneva Kaiser, Bill Ongstad, Ken Vein and Jeff LeDoux.

Director Tweed stated any other nominations to the Executive Committee can be made later in the meeting today. No nominations will be allowed tomorrow.

Public Relations Committee - - Director Dave Anderson, Chairman, Public Relations Committee, announced the committee met on December 12 to review and consider Task Order GF 1.45 for 2023 Strategic Communication Services.

Kimberly Cook, Communications Director, Garrison Diversion, stated this task order is a continuation of previous services offered by the consultant team (Black & Veatch and Advanced Engineering & Environmental Services) to Garrison Diversion to support the communications efforts specifically for the RRVWSP. Also included with the task order is the option to update the three websites managed by Garrison Diversion. This includes the websites for Garrison Diversion, Lake Agassiz Water Authority (LAWA) and the RRVWSP. The cost of the task order is \$152,000.

Motion by Director Cayko to approve the 2023 Strategic Communications Services Task Order, GF 1.45, in the amount of \$152,000. Second by Director Cook. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

Engineering & Operations Committee - - Director Vein, who chairs the Engineering & Operations Committee (E&O), informed the board the E&O Committee also met this morning at which time a review of the 2022 O&M Work Plan activities at each of the work sites was provided, along with an update on the McClusky Canal major slide repair project. Following that, the committee reviewed and approved the 2023 O&M Work Plan and Budget as well as the Devils Lake Outlet Work Plan.

Director Vein reported the committee was also informed of the funding request received from the Eddy County Water Resource District regarding water flowage issues relating to the New Rockford Canal that was presented at the Executive Committee. There have been problems at the canal along Highway 281 with water being held back to the north. A study is being proposed in order to resolve this issue at a cost of \$19,000.

Director Vein added it is the recommendation of the E&O Committee to assist with funding for this study. More will be heard on this topic later on the agenda today, at which time the board will act on this request.

MR&I Committee

Director Kaiser, Chairperson, MR&I Committee, conveyed the MR&I Committee also met this morning to review the funding request from the State Water Commission (SWC) for the Northwest Area Water Supply (NAWS) and an update on the MR&I Program's Five-Year Plan. The MR&I Committee recommends the board approve the funding for NAWS.

MR&I Construction Report

Secretary DeKrey referred to the MR&I construction report dated December 31. Total 2022 MR&I expenditures are \$25,292,607. Remaining approved federal MR&I funds are \$22,234,290. A copy of the report is attached to these minutes as Annex V.

NAWS Funding Request

Ms. Mooridian referred to the SWC letter requesting an allocation of \$51,653,682 of the Fiscal Year (FY) 2022 dollars and Bipartisan Infrastructure Law (BIL) funding to the NAWS Project. The SWC also requests consolidation of \$8,592,695 in previous NAWS approvals bringing the total to \$60,156,377. In addition, they request \$68,207.28 be reallocated from other completed projects to state administration. A copy of the letter is attached to these minutes as Annex VI.

Motion by Director Koeser to approve \$60,156,377 in federal funds for the NAWS Project and the reallocation of \$68,207.28 from other completed MR&I projects to state administration. This approval is contingent upon available funding, project must follow Federal MR&I Program requirements and delegates the ability to the secretary to move funds between project elements in order to facilitate efficient project completion. Second by Director Cayko. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

Federal MR&I Program Five-Year Plan FY2022-2026 Update

Ms. Mooridian also referred to the letter received from the SWC regarding the MR&I Five-Year Plan FY2022-2026, which addresses updated FY22 funding, project funding and variations in federal appropriations. This is used by the Bureau of Reclamation (Reclamation) when estimating the state's capacity to expend funding. A copy of the letter is attached to these minutes as Annex VII.

Ms. Mooridian stated there is approximately \$22 million remaining of the authorized ceiling in the Federal MR&I Program. She added the Five-Year Plan includes more funding, but most of the FY23 dollars will go to the NAWS Project. There is also \$1.5 million requested for the Eastern North Dakota Water Supply (ENDAWS) Project.

Water Supply Assistance Grant Program (WSAGP)

Ms. Hewitt referred to the WSAGP Outstanding Projects table, stating there is approximately \$107,000 in approved outstanding grants awaiting payment. There is roughly \$354,000 in reserves but a majority of that is municipal funding which makes up approximately \$294,000. There is also an additional \$50,000 for individuals to use on top of what has already been approved. A copy of the table is attached to these minutes as Annex VIII.

Red River Valley Committee

Director Bischoff, Chairman, Red River Valley Committee, reported the committee met on December 21 to discuss various topics concerning the RRVWSP, including conflict of interest, contractor prequalification and statement of interest for engineering services. He called on Kip Kovar to provide further information.

Conflict of Interest

Kip Kovar, District Engineer, Garrison Diversion, referred to the draft document titled Conflict of Interest Guidance for the RRVWSP, explaining the officers of the board directed Black & Veatch to prepare this conflict-of-interest statement. It takes away parts of the American Society of Civil Engineering Code of Conduct and also uses North Dakota State Law regarding engineering. The document pertains to conflicts of interest regarding the engineering firm as well as the individual.

Mr. Kovar informed the board the Executive Committee also discussed conflict of interest during its December 12 meeting. As a result, a motion was passed instructing staff to draft a conflict of interest policy relating to consultants/engineers and to add provisions to Garrison Diversion's board policies regarding conflict of interest.

Mr. Kovar said the process of developing a conflict of interest policy is underway. This draft document prepared by Black & Veatch will be used to assist with this process.

Contractor Prequalification Process

Mr. Kovar next referred to the Draft General Contractor Prequalification Process Submittal Package prepared by Black & Veatch regarding the RRVWSP and explained the previous process used when submitting bids on the RRVWSP pipeline. He added there were issues that came up with the contractor being qualified.

Mr. Kovar stated it has been decided to move forward with a prequalification process ahead of bidding. The purpose of prequalification is to determine if the contractor meets the minimum requirements specified in the project bidding documents. The prequalification package will be sent out to contractors who would like to be prequalified to bid on RRVWSP construction projects. Once prequalified, the contractor would remain prequalified for the next four years.

Mr. Kovar said a lot of comments were received from the Red River Valley Committee on the draft document; therefore, the document in the meeting packet is being updated significantly.

Mr. Kovar stated the prequalification process is specifically for the pipeline contracts.

Statement of Interest for Engineering Services

Mr. Kovar commented as the RRVWSP grows, it is hoped more funding will be received from the state legislature and construction will accelerate. In preparation for that, the staff and consulting team will also need to grow. To kick that process off, a statement of interest for professional engineering services will be sent out.

Mr. Kovar referred to the Draft Request for Statement of Interest for Professional Engineering Service for the RRVWSP prepared by Black & Veatch. This will be used to gauge the interest and capabilities of engineering firms with offices in North Dakota to provide various services. Firms that complete this request will start to receive future updates regarding the RRVWSP.

The purpose of this document is to notify the engineering community, if the RRVWSP continues to grow the way it is envisioned, of the opportunity for a variety of services that will be needed. Some of the services could involve design, material testing, soil borings, construction inspection, etc.

Mr. Kovar added members of the Red River Valley Committee indicated a preference toward the use of local engineering firms when, and if, possible. The committee also suggested changes to the document, which will be incorporated into the revised document.

RED RIVER VALLEY WATER SUPPLY PROJECT (RRVWSP)

Construction Update - - Mr. Kovar shared a PowerPoint presentation showing progress at the RRVWSP construction sites.

Mr. Kovar reported a mile and a half of pipeline was installed on Contract 5B this year, which is far below the targeted amount of four and half miles. The board has requested Garney Construction representatives address the Garrison Diversion board regarding the pipeline construction process; however, they were not able to make it to this meeting. Garney representatives are now scheduled to attend the Executive Committee on March 9, 2023.

Mr. Kovar said, per contract documents, pipeline installation on Contract 5B is supposed to be completed in 2023. The schedule submitted by Garney does not show a 2023 completion date.

Work Plan Update - - Mr. Kovar reviewed the December 7, 2022, RRVWSP Work Plan Update, which summarizes construction activities. A copy of the work plan is attached to these minutes as Annex IX.

Task Orders

RRVWSP Task Order No. 5532, Transmission Pipeline East Contract 5B, Change Order No. 2

Mr. Kovar commented on Change Order No. 2 under Task Order 5532, Transmission Pipeline East, Contract 5B, regarding an issue with the lid on the vault access hatch. It was realized that a circular entryway did not allow access to the plumbing features underneath and inside the manhole very efficiently. As a result, a change order was requested for a design providing better access.

Mr. Kovar added this change order was approved by the Executive Committee in December; however, one of the directors said there appeared to be a design error in the original design of the vault access hatch and requested this issue be addressed with the engineering consultant.

Mr. Kovar reported the original vaults were installed under pipeline Contract 5A. The problem is the contractor installed pipe and did the tunnel. The vaults were not installed until the end. Basically, no one saw the vaults until the next year at the end of the contract. Contract 5B was already out for bids and awarded so the change was not realized in time. In his opinion, there was not a design error. It was something that was caught after viewing the facilities in the ground on Contract 5A. Credit will be received for the circular hatches, but the rectangular hatches will cost more.

RRVWSP Task Order No. 5370 – Transmission Pipeline Contract 7 Geotechnical Investigation and Reporting

Mr. Kovar referred to Task Order 5370, stating this task order entails obtaining geotechnical information by drilling supplemental borings along the alignment for Contract 7. A total of 43 borings over 13 miles will be completed and should take approximately 6 months. The information gathered will be presented in a geotechnical report used to prepare contract documents for pipeline construction. The cost of the task order is \$397,000.

Mr. Kovar stated the task order originally involved a timing issue because it was intended to obtain the borings right away. It now appears this will not happen until March.

Mr. Kovar added the task order is also being submitted to the SWC for cost share approval at its meeting in February.

Motion by Director Bischoff to approve RRVWSP Task Order 5370, Transmission Pipeline Contract 7, Geotechnical Investigation and Reporting, in the amount of \$397,000 contingent upon final approval by the Lake Agassiz Water Authority Technical Advisory Committee. Second by Director Vein. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Johnson, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein, Walter and Zimbleman. Those voting nay: none. Absent and not voting: Boote and Kassian. Motion carried.

Program Schedule - - Ms. Mooridian referred to the RRVWSP Program Schedule dated December 7, 2022, which shows the timeline of the ongoing RRVWSP construction projects.

Planning Level Budget - - Ms. Mooridian referred to the RRVWSP Planning Level Budget dated December 31, 2022. The total combined program budget is estimated at \$139 million. Actual

program expenses are \$78,055,801 with total outstanding expenses of \$60.9 million. Total program efforts are 56 percent complete.

leaving a remaining bank balance of \$498,391. A copy of the budget is attached to these minutes as Annex X.

Draft Legislative Request - - Ms. Mooridian reported there is a draft request into the state legislature for \$255 million this biennium for the RRVWSP. Currently, the governor's budget includes \$170 million for the RRVWSP.

User Outreach Meetings - - Ms. Mooridian provided updates on the ongoing meetings with the City of Washburn and Rainbow Energy regarding their possible participation in the RRVWSP.

Ms. Mooridian added work continues with Fargo and Grand Forks relating to the Project Participation Agreement (PPA).

Secretary DeKrey reported there will be a hearing on January 19 before the Senate Appropriations Committee on SB 2020, which is the Department of Water Resources funding appropriations bill. Chairman Walter will be presenting testimony in support of the \$255 million funding request for the RRVWSP. Mayors Mahoney and Dardis will also be presenting testimony in support of RRVWSP funding.

Project Participation Agreement - - Ms. Norgard gave a summary on the structure of the PPA and the partnering with LAWA. She also provided highlights of the draft agreement.

CENTRAL ND WATER SUPPLY

Ms. Norgard reported on the State of Missouri's appeal regarding the lawsuit on the Central North Dakota Water Supply (CND) Project over the right to tap into the McClusky Canal for 20 cubic feet per second (cfs) of water for in-basin use. An environmental review was completed, and it, ultimately, was approved, which resulted in the lawsuit.

Ms. Norgard stated the appeal was argued before the 8th Circuit Court of Appeals on November 16, 2022, and a decision is expected within the next month.

WATERS OF THE UNITED STATES

Ms. Norgard also informed the board of a new development on the WOTUS (Waters of the United States) Rule released by the Corps of Engineers and the Environmental Protection Agency (EPA).

The significance of WOTUS is the Clean Water Act allows the federal government to have jurisdiction to regulate waters of the United States. The question of what is a water of the United States is significant because if it is a federal jurisdiction, you must go through all of the environmental reviews. To keep out of federal jurisdiction is really important in order to proceed with the RRVWSP.

ND WATER USERS/IRRIGATION ASSOCIATION REPORT

Dani Quissell, North Dakota Water Users/Irrigation Association, referred to the 2022 ND Irrigation Association (NDIA) Report, which provides their year-end recap. The big push this year by the NDIA was project pumping legislation at the federal level. Hearings were heard on both sides of Congress, and they were very close to getting across the finish line. The bill was slated to be part

of a larger package in the senate. Unfortunately, it did not pass and will have to be reintroduced in the spring.

Ms. Quissell reported on other activities of the NDIA, including research support, irrigation tours and the Natural Resources Conservation Service (NRCS) Environmental Quality Incentives Program (EQIP) grant.

Ms. Quissell also commented planning is beginning on the 2023 summer water tours.

EXECUTIVE COMMITTEE NOMINATIONS FROM THE FLOOR

Chairman Walter asked for Executive Committee nominations from the floor.

Directors Hanretty and Tweed were nominated from the floor.

Chairman Walter asked for further nominations two more times. No further nominations were received; therefore, nominations ceased. Voting will take place when the board reconvenes on Friday.

The board recessed at 4:35 p.m. and reconvened at 8:30 a.m. on January 13.

WASHINGTON, DC, REPORT

Luke Johnson and Bella Wolitz of Brownstein Hyatt Farber Schreck (BHFS) provided an overview on federal funding and other legislative issues relating to water and Garrison Diversion within the United States Congress.

OPERATION & MAINTENANCE (O&M) UPDATE

Ryan Anderson, Engineer, Garrison Diversion, provided a progress report on the major slide repair project along the McClusky Canal, including photos and a video of the trenching work that was completed.

IRRIGATION UPDATE

Mr. Anderson referred to the map showing irrigated acres along the McClusky Canal. There are approximately 7,900 total acres irrigated from the canal with approximately 600 acres added in 2022.

Mr. Anderson reported he recently received a call expressing renewed interest in a project that did not come to fruition a couple of years ago. This would be about a 1,600-acre project.

BUREAU OF RECLAMATION REPORT

Joe Hall, Area Manager, Reclamation, referred to Reclamation's report dated January 12 and provided highlights from ongoing projects involving Garrison Diversion. A copy of the report is attached to these minutes as Annex XI.

MR&I - - Mr. Hall stated Congress passed an Omnibus Bill in December that included approximately \$14 million for GDU rural water construction projects. This funding will be divided between the State and Tribes. The bill also included an additional \$50 million for Reclamation. The breakdown on this funding is yet to be announced.

Infrastructure Bill - - Mr. Hall commented the BIL contains a lot of funding, which Reclamation had hoped to get released by the end of the year, which did not happen. He hopes to share information on this soon.

Reclamation is currently obligating FY2022 BIL funding and will focus on FY2023 when the amounts are determined.

Irrigation Repayment Contract - - Mr. Hall reported Reclamation has received payment from Garrison Diversion for the negotiated irrigation repayment contract. The contract was signed by Garrison Diversion and has been sent to the regional director for final signature.

COST OF WATER

Secretary DeKrey explained Garrison Diversion and Reclamation went through a lengthy negotiation process on the cost of water from the McClusky Canal. Reclamation presented at cost of \$73,855 per cfs. Garrison Diversion said this was unacceptable and asked how Reclamation arrived at this amount, which they were unable to justify. Reclamation then revised the number by subtracting the construction costs from 2000 forward and came back with a cost of \$47,501 per cfs.

Secretary DeKrey stated Garrison Diversion staff worked on the numbers based off of past records to come up with a cost comparison and could not justify the \$47,501 per cfs.

Secretary DeKrey said during a meeting at the Snake Creek Pumping Plant in July, Senator Hoeven indicated the \$47,501 per cfs was not acceptable. The Senator, at that time, instructed the Commissioner of Reclamation and her staff to send him the legislative language to get this changed.

Secretary DeKrey added Garrison Diversion and Senator Hoeven's office are now working on this issue in order to come up with a more acceptable cost from Reclamation. In addition, Garrison Diversion's lobbying firm in Washington, DC, is also involved with this issue.

DEPARTMENT OF WATER RESOURCES REPORT

Andrea Travnicek, Director, Department of Water Resources (DWR), addressed the board via video conference to give an update on the agency's current projects and activities. She also provided a report on the first budget hearing before the Senate Appropriations Committee at the state legislature, adding the governor has proposed \$605 million for water projects across North Dakota which includes \$170 million for the RRVWSP this biennium.

SNAKE CREEK EMBANKMENT DAM SAFETY MODIFICATION STUDY

Mr. Kovar provided a brief background on the Snake Creek embankment, which is the dam separating Lake Sakakawea and Lake Audubon. He shared photos via PowerPoint explaining the ongoing problem with the embankment. Because of seepage concerns under the embankment that were identified as part of a study done by the Corps of Engineers (COE), the COE limited the differential level between Lake Sakakawea and Lake Audubon to 43 feet. The consequence of that limitation to the McClusky Canal could cause the potential for Lake Audubon to be lowered during extreme drought events, preventing the necessary flow being supplied to the canal.

Mr. Kovar commented the state of North Dakota and its congressional delegation began to pressure the COE. As a result, the COE had to redo the Environmental Assessment (EA). This time around, the economic impacts to North Dakota need to be evaluated.

Secretary DeKrey added the COE did not intend to fix the Snake Creek embankment issue because their Dam Safety Modification Study considers this a very low priority since the COE believes, should the embankment fail, there would be no loss of life or property.

Mr. Kovar stated there are huge recreational opportunities along the McClusky Canal. If the level of Lake Audubon is allowed to go down and dries up the canal, there are vast impacts. Not only would there be impacts to fisheries and recreation; the canal has a clay liner that would crack and potentially have to be replaced. This would also cause seepage claims from landowners along 58 miles of the canal. In addition, a lot more sliding would be experienced along the canal.

Secretary DeKrey remarked the COE's socioeconomic analysis does not make sense. The cost benefit ratio does not work at all. Garrison Diversion is questioning how the COE arrived at the numbers contained in the study.

Mr. Kovar said the Dam Safety Modification Study was just completed. A draft EA was released to Garrison Diversion since we are a cooperating agency. In it, the COE proposes to remove the 43-foot restriction and conduct more daily monitoring once there is a drought scenario. The restriction is being removed; however, no structural fix is being pursued.

The COE, in looking at more drought scenarios, feels a drought is less likely to happen and are more confident in the dam not having under seepage. In that event, with the restriction removed, they believe everything should be okay because it will never happen.

Mr. Kovar referred to Garrison Diversion's letter dated January 6, 2023, to the COE regarding the Snake Creek Dam Safety Modification Study providing comments on the socioeconomic analysis and indicating it is severely flawed. A copy of the letter is attached to these minutes as Annex XII.

Mr. Kovar stated Garrison Diversion plans to meet with staff from the DWR and the Bank of North Dakota to prepare additional statewide comments on the COE's analysis.

The COE is also holding a public meeting February 16 at the Snake Creek Pumping Plant regarding its Snake Creek Dam Safety Modification Study.

2022 GDCD ACCOMPLISHMENTS

Secretary DeKrey referred to the list of Garrison Diversion's 2022 accomplishments for the board's information. Most notably is the work performed on the McClusky Canal and the RRVWSP. A copy of the list is attached to these minutes as Annex XIII.

2023 GDCD WORK PLAN

Secretary DeKrey also referred to the proposed 2023 Garrison Diversion Work Plan, calling attention to the newly added work items, which are highlighted. A copy of the work plan is attached to these minutes as Annex XIV.

Motion by Director Klosterman to approve the 2023 Garrison Diversion Work Plan. Second by Director Tweed. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman,

Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

2023 PROJECT DEVELOPMENT TASK ORDER

Ms. Mooridian reported extra assistance is being sought to help obtain funding approval of the \$255 million request from the state legislature and \$437 million from the federal government for the RRVWSP. The task order is not quite ready. Discussions have taken place with LAWA leadership and Garrison Diversion's officers in order to get something ready.

Chairman Walter said moving forward, there will be more information regarding this task order.

TRIP REPORTS

Trip reports were provided by staff and directors who attended the Upper Missouri Water Association and National Water Resources Association Conferences. Written reports are included in the meeting packet.

GENERAL MANAGER'S REPORT

Irrigation Repayment Contract - - Secretary DeKrey provided some background on the Reclamation Reform Act (RRA), which included regulations the irrigators needed to follow and limited the number of irrigated acres to 960 per irrigator. When Garrison Diversion switched from a water service contract to a water repayment contract that was held with Reclamation, there was an opportunity to buy out of RRA.

Secretary DeKrey added this pays out the capital portion on the irrigation facilities of the acres already developed. The board recently approved the buyout, which came to \$632,500, and the conversion was successfully completed. The cost was figured at \$2 an acre to the irrigators per year for 40 years.

Secretary DeKrey said it is up to the board to decide if and/or how to recoup the \$632,560 from the irrigators. Garrison Diversion staff indicated at the December Executive Committee meeting they would prepare options for consideration by the board at the January meeting.

Mr. Kovar presented and reviewed five repayment options, adding it is a matter of whether the board would like Garrison Diversion to be reimbursed on the existing acres. If the answer is yes, a decision as to how long the landowners have to repay is also needed.

Motion by Director Metzger to refer the irrigation repayment options to the Agriculture and Natural Resources Committee for further review and come back to the full board with a recommendation on a preferred option. Second by Director Hanretty. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

Stump Lake Recreational Area - - Secretary DeKrey reported the 404 Permit has finally been received from the COE for the road project on the Stump Lake property owned by Garrison Diversion where the recreational area is planned for development. He reminded the board of the

grant Garrison Diversion had received, along with Nelson County, from the Department of Transportation for the road project. This had to be extended a few times due to the permit delay. Nelson County has now indicated that all bills and receipts must be submitted by June 29. This may be difficult depending on what type of spring we have. There is also a stipulation in the COE permit stating no work can take place from April 15 to June 1 due to fish spawning.

Secretary DeKrey has contacted the Game and Fish Department asking if an exemption can be made on the fish spawning, which they have indicated could be a possibility. In the meantime, Garrison Diversion will start staging equipment at the project site over the winter in order to start work as soon as conditions allow.

Eddy County Water Resource District Request - - Secretary DeKrey commented there has always been problems at the New Rockford Canal along Highway 281 holding water back to the north. Garrison Diversion staff met with the Eddy County Water Resource District (ECWRD) Board quite a while ago to try and resolve the water problem. At that time, an agreement was made in that the water board would purchase a culvert and Garrison Diversion would install it.

Secretary DeKrey said the project was put on hold by the ECWRD and recently came back to the forefront. The culvert was purchased, and Garrison Diversion was prepared to install it; however, the landowners south of the canal heard about the culvert and were upset. The water board then delayed the culvert installation again.

Director Tweed, who is also a member of the ECWRD Board, informed Garrison Diversion staff an engineering study must now be done to determine how to get the water from north of the canal into the James River without any major impacts to the landowners to the south. The cost of the study is approximately \$19,000, and the water board would like Garrison Diversion to help fund the study.

Secretary DeKrey stated he and Director Tweed met with the area manager at Reclamation's Bismarck office, and Reclamation believed at that time they would be able to provide funding for the study.

Secretary DeKrey said this topic was presented at the Executive Committee meeting in December, and the committee recommended Garrison Diversion fund one-third of the cost for the engineering study contingent upon funding received from Reclamation.

Secretary DeKrey commented Reclamation has agreed to contribute one-third of the study cost. It is now up to the ECWRD to have the study completed.

Motion by Director Vein to approve funding one-third of the cost for the Eddy County Water Resource District to conduct an engineering study regarding the water flowage issue along the New Rockford Canal contingent upon the Bureau of Reclamation and the Eddy County Water District each paying one-third. Second by Director Orn. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

2023 Salary Increases - - Secretary DeKrey explained the process normally used by Garrison Diversion for annual salary increases is to follow the consumer price index (CPI) for the month of November. Since the CPI was 7.1% this year, which is quite high, an alternative method was

sought. These options were presented to the officers of the board, and a decision was made to go with six percent because that was the governor's recommendation for 2023 salary increases of state employees.

This was also presented to the Executive Committee, and they recommend Garrison Diversion follow the state and approve a six percent increase for Garrison Diversion employees. Operation and maintenance employees, based on eligibility, would receive a step increase in addition to the six percent.

Motion by Director Blanchfield to approve a six percent salary increase for general fund and operation and maintenance employees, as well as an annual step increase to eligible operation and maintenance employees for 2023. Second by Director Cayko. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

Secretary DeKrey said there is also a request for an additional increase of \$8,252 for salaries. This increase involves a job classification change for an O&M employee, who has taken on increased job duties, and merit increases for two of the accounting staff.

Motion by Director Rogers to approve a job classification change and merit increases for select employees totaling \$8,252. Upon roll call vote, the following directors voted aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

Vice Chairman Anderson and Director Bischoff asked if there will soon be a need for additional staff for the RRVWSP as it progresses.

Mr. Kovar replied he has asked Black & Veatch to look into similar projects they work with to come up with a program management comparison and come back with suggestions for future staff growth.

EXECUTIVE COMMITTEE ELECTIONS

Report of Nominating Committee - - Director Tweed reported the nominations for Executive Committee are:

Officer positions: Alan Walter, Chairman; Jay Anderson, Vice Chairman; and Greg Bischoff, Second Vice Chairman.

Executive Committee members: Cliff Hanretty, Geneva Kaiser, Jeff LeDoux, Bill Ongstad, Mike Tweed and Ken Vein.

Election of Officers

Motion by Director Vein to dispense with the rules and a unanimous ballot be cast for Alan Walter, Chairman; Jay Anderson, Vice Chairman and Greg Bischoff, Second Vice Chairman. Second by Director Metzger. Upon roll call vote, the following directors voted

aye: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter. Those voting nay: none. Absent and not voting: Boote, Johnson, Kassian and Zimbleman. Motion carried.

Remarks from Executive Committee Candidates - - Each of the Executive Committee candidates were given the opportunity to speak on their own behalf.

Election of Executive Committee Members

Ballots were distributed, and the directors were instructed to vote for four candidates. Ballots were counted by the election tellers with the following results recorded:

Directors voting for Jeff LeDoux: Blanchfield, Cayko, Cook, Forde, Klosterman, Knorr, Krueger, LeDoux, Ongstad, Orn and Pellman.

Directors voting for Cliff Hanretty: D. Anderson, Cayko, Cook, Forde, Hanretty, Kaiser, Klein, Koeser, Ongstad, Rogers, Tweed and Walter.

Directors voting for Geneva Kaiser: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cook, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, LeDoux, Metzger, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter.

Directors voting for Bill Ongstad: D. Anderson, J. Anderson, Bischoff, Blanchfield, Cayko, Cook, Hanretty, Koeser, LeDoux, Metzger, Ongstad, Rogers, Siegert, Tweed and Vein.

Directors voting for Mike Tweed: D. Anderson, J. Anderson, Bischoff, Blanchfield, Forde, Hanretty, Kaiser, Klein, Klosterman, Knorr, Koeser, Krueger, Metzger, Ongstad, Orn, Pellman, Rogers, Siegert, Tweed, Vein and Walter.

Directors voting for Ken Vein: J. Anderson, Bischoff, Cayko, Forde, Kaiser, Klein, Klosterman, Knorr, Krueger, LeDoux, Metzger, Orn, Pellman, Siegert, Vein and Walter.

Directors absent: Boote, Johnson, Kassian and Zimbleman.

Votes received:

LeDoux – 11
 Hanretty – 12
 Kaiser – 21
 Ongstad – 15
 Tweed – 21
 Vein – 16

Elected committee members are Kaiser, Ongstad, Tweed and Vein.

UPCOMING EVENTS

Chairman Walter reviewed the list of upcoming meetings and events.

OTHER

Chairman Walter explained due to a conflict with the National Water Resources Association Conference and required travel time involved, the April board meeting dates need to be changed. The suggested dates are either April 11 and 12, or April 27 and 28, 2023.

Motion by Director Metzger to change Garrison Diversion's next quarterly meeting dates to April 11 and 12, 2023. Second by Vice Chairman Anderson. Upon voice vote, motion carried.

There being no other business to come before the board, the meeting adjourned at 11:08 a.m.

(SEAL)

Alan Walter, Chairman

Duane DeKrey, Secretary

REGISTRATION

BOARD OF DIRECTORS MEETING
Garrison Diversion Conservancy District
January 12 & 13, 2023
Carrington, ND

NAME	ADDRESS
Tami Voregard	Vogel
Mark Berger	Beach
Joe Hall	Reclamation, Bismark
SLAW GARDIE	AEDS
Joe Zauner	American Pipe
Cindy Hewitt	GDCD
Marti Munk	GDCD
Lisa Schaper	GDCD
Kirk Cook	GDCD
Kirk Kovan	
By Video Conference:	
Dani Quissell	ND Water Users/ND Irrigation Assoc.
Luke Johnson	Brownstein Hyatt Farber Schreck
Bella Wolitz	Brownstein Hyatt Farber Schreck
Jeff Hruby	Advanced Engineering
Kurt Ronnekamp	Black & Veatch
Jeffrey Mattern	Dept. of Water Resources
Andrea Travnicek	Dept. of Water Resources
John Paczkowski	Dept of Water Resources



December 30, 2022

To the Board of Directors
Garrison Diversion Conservancy District
PO Box 140
Carrington, ND 58421

You have requested that we audit the modified cash basis financial statements of the governmental activities and each major fund of the Garrison Diversion Conservancy District (the “District”) as of and for the year ended December 31, 2022, and the related notes to the financial statements, which collectively comprise the District’s basic financial statements.

In addition, we will audit the entity’s compliance over major federal award programs for the period ended December 31, 2022. We are pleased to confirm our acceptance and our understanding of this audit engagement by means of this letter.

Our audits will be conducted with the objectives of our expressing an opinion on each opinion unit and an opinion on compliance regarding the entity’s major federal award programs. The objectives of our audit of the financial statements are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor’s report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America (GAAS) and in accordance with *Government Auditing Standards*, will always detect a material misstatement when it exists. Misstatements, including omissions, can arise from fraud or error and are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

The objectives of our compliance audit are to obtain sufficient appropriate audit evidence to form an opinion and report at the level specified in the governmental audit requirement about whether the entity complied in all material respects with the applicable compliance requirements and identify audit and reporting requirements specified in the governmental audit requirement that are supplementary to GAAS and *Government Auditing Standards*, if any, and perform procedures to address those requirements.

Supplementary information other than required supplementary information will accompany the District's basic financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the basic financial statements and certain additional procedures, including comparing and reconciling the supplementary information to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and additional procedures in accordance with auditing standards generally accepted in the United States of America. We intend to provide an opinion on the following supplementary information in relation to the financial statements as a whole:

- 1) Schedule of Revenues, Expenditures, and Changes in Fund Balance - Modified Cash Basis - Budget and Actual - General Fund (Administrative)
- 2) Schedule of Revenues, Expenditures, and Changes in Fund Balance - Modified Cash Basis - Budget and Actual - Major Special Revenue Funds
- 3) Schedule of Employer's Share of Net Pension Liability and Schedule of Employer's Contributions - Pensions
- 4) Schedule of Employer's Share of Net OPEB Liability and Schedule of Employer's Contributions - OPEB
- 5) Schedule of Taxes Received - Modified Cash Basis
- 6) Schedule of Expenditures Compared to Budget - Modified Cash Basis

Schedule of Expenditures of Federal Awards

We will subject the schedule of expenditures of federal awards to the auditing procedures applied in our audit of the basic financial statements and certain additional procedures, including comparing and reconciling the schedule to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and additional procedures in accordance with auditing standards generally accepted in the United States of America. We intend to provide an opinion on whether the schedule of expenditures of federal awards is presented fairly in all material respects in relation to the financial statements as a whole.

Also, the document we submit to you will include the following other additional information that will not be subjected to the auditing procedures applied in our audit of the financial statements:

- 1) Board of Directors by County

Data Collection Form

Prior to the completion of our engagement, we will complete the sections of the Data Collection Form that are our responsibility. The form will summarize our audit findings, amounts and conclusions. It is management's responsibility to submit a reporting package including financial statements, schedule of expenditure of federal awards, summary schedule of prior audit findings and corrective action plan along with the Data Collection Form to the federal audit clearinghouse. The financial reporting package must be text searchable, unencrypted, and unlocked. Otherwise, the reporting package will not be accepted by the federal audit clearinghouse. We will assist you in the electronic submission and certification. You may request from us copies of our report for you to include with the reporting package submitted to pass-through entities.

The Data Collection Form is required to be submitted within the *earlier* of 30 days after receipt of our auditors' reports or nine months after the end of the audit period, unless specifically waived by a federal cognizant or oversight agency for audits. Data Collection Forms submitted untimely are one of the factors in assessing programs at a higher risk.

Audit of the Financial Statements

We will conduct our audits in accordance with GAAS, the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States of America, the audit requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). As part of an audit of financial statements in accordance with GAAS and in accordance with *Government Auditing Standards*, Uniform Guidance and/or any state or regulatory audit requirements we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. However, we will communicate to you in writing concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we have identified during the audit.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Conclude, based on the audit evidence obtained, whether there are conditions or events, considered in the aggregate, that raise substantial doubt about [Client]'s ability to continue as a going concern for a reasonable period of time.

Because of the inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk that some material misstatements or noncompliance may not be detected exists, even though the audit is properly planned and performed in accordance with GAAS and *Government Auditing Standards* of the Comptroller General of the United States of America. Please note that the determination of abuse is subjective and *Government Auditing Standards* does not require auditors to detect abuse.

Our responsibility as auditors is limited to the period covered by our audit and does not extend to any other periods.

We will issue a written report upon completion of our audit of the District's basic financial statements. Our report will be addressed to the governing body of the District. Circumstances may arise in which our report may differ from its expected form and content based on the results of our audit. Depending on the nature of these circumstances, it may be necessary for us to modify our opinions, add an emphasis-of-matter or other-matter paragraph(s) to our auditor's report, or if necessary, withdraw from the engagement. If our opinions on the basic financial statements are other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed opinions, we may decline to express opinions or to issue a report as a result of this engagement.

In accordance with the requirements of *Government Auditing Standards*, we will also issue a written report describing the scope of our testing over internal control over financial reporting and over compliance with laws, regulations, and provisions of grants and contracts, including the results of that testing. However, providing an opinion on internal control and compliance over financial reporting will not be an objective of the audit and, therefore, no such opinion will be expressed.

Audit of Major Program Compliance

Our audit of the District's major federal award program(s) compliance will be conducted in accordance with the requirements of the Single Audit Act, as amended; and the Uniform Guidance and will include tests of accounting records, a determination of major programs in accordance with the Uniform Guidance, and other procedures we consider necessary to enable us to express such an opinion on major federal award program compliance and to render the required reports. We cannot provide assurance that an unmodified opinion on compliance will be expressed. Circumstances may arise in which it is necessary for us to modify our opinion or withdraw from the engagement.

The Uniform Guidance requires that we also plan and perform the audit to obtain reasonable assurance about whether the material noncompliance with applicable laws and regulations, the provisions of contracts and grant agreements applicable to major federal award programs, and the applicable compliance requirements occurred, whether due to fraud or error, and express an opinion on the entity's compliance based on the audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the entity's compliance with the requirements of the federal programs as a whole.

As part of a compliance audit in accordance with GAAS in accordance with *Government Auditing Standards*, we exercise professional judgment and maintain professional skepticism throughout the audit. We also identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks.

Our procedures will consist of determining major federal programs and performing the applicable procedures described in the U.S. Office of Management and Budget *OMB Compliance Supplement* for the types of compliance requirements that could have a direct and material effect on each of the entity's major programs, and performing such other procedures as we considers necessary in the circumstances. The purpose of those procedures will be to express an opinion on the entity's compliance with requirements applicable to each of its major programs in our report on compliance issued pursuant to the Uniform Guidance.

Also, as required by the Uniform Guidance, we will obtain an understanding of the entity's internal control over compliance relevant to the audit in order to design and perform tests of controls to evaluate the effectiveness of the design and operation of controls that we consider relevant to preventing or detecting material noncompliance with compliance requirements applicable to each of the entity's major federal award programs. Our tests will be less in scope than would be necessary to render an opinion on these controls and, accordingly, no opinion will be expressed in our report. However, we will communicate to you, regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we have identified during the audit.

We will issue a report on compliance that will include an opinion or disclaimer of opinion regarding the entity's major federal award programs, and a report on internal controls over compliance that will report any significant deficiencies and material weaknesses identified; however, such report will not express an opinion on internal control.

Management Responsibilities

Our audit will be conducted on the basis that management and, when appropriate, those charged with governance, acknowledge and understand that they have responsibility:

1. For the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America;
2. For the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error;
3. For identifying, in its accounts, all federal awards received and expended during the period and the federal programs under which they were received;
4. For maintaining records that adequately identify the source and application of funds for federally funded activities;
5. For preparing the schedule of expenditures of federal awards (including notes and noncash assistance received) in accordance with the Uniform Guidance;
6. For designing, implementing, and maintaining effective internal control over federal awards that provides reasonable assurance that the entity is managing federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards;
7. For identifying and ensuring that the entity complies with federal laws, statutes, regulations, rules, provisions of contracts or grant agreements, and the terms and conditions of federal award programs and implementing systems designed to achieve compliance with applicable federal statutes, regulations, and the terms and conditions of federal award programs;
8. For disclosing accurately, currently, and completely, the financial results of each federal award in accordance with the requirements of the award;
9. For identifying and providing report copies of previous audits, attestation engagements, or other studies that directly relate to the objectives of the audit, including whether related recommendations have been implemented;
10. For taking prompt action when instances of noncompliance are identified;
11. For addressing the findings and recommendations of auditors, for establishing and maintaining a process to track the status of such findings and recommendations and taking corrective action on reported audit findings from prior periods and preparing a summary schedule of prior audit findings;
12. For following up and taking corrective action on current year audit findings and preparing a corrective action plan for such findings;
13. For submitting the reporting package and data collection form to the appropriate parties;
14. For making the auditor aware of any significant contractor relationships where the contractor is responsible for program compliance;
15. To provide us with:
 - a. Access to all information of which management is aware that is relevant to the preparation and fair presentation of the financial statements including disclosures, and relevant to federal award programs, such as records, documentation, and other matters;
 - b. Additional information that we may request from management for the purpose of the audit; and
 - c. Unrestricted access to persons within the entity and others from whom we determine it necessary to obtain audit evidence.
16. For including the auditor's report in any document containing financial statements that indicates that such financial statements have been audited by us, including
 - i. A written acknowledgement of all the documents that management expects to issue that will be included in the annual report and the planned timing and method of issuance of that annual report; and
 - ii. A final version of the annual report (including all the documents that, together, comprise the annual report) in a timely manner prior to the date of the auditor's report;

17. For adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the current year period(s) under audit are immaterial, both individually and in the aggregate, to the financial statements as a whole;
18. For acceptance of nonattest services, including identifying the proper party to oversee nonattest work;
19. For maintaining adequate records, selecting and applying accounting principles, and safeguarding assets;
20. For informing us of any known or suspected fraud affecting the entity involving management, employees with significant role in internal control and others where fraud could have a material effect on compliance;
21. For the accuracy and completeness of all information provided;
22. For taking reasonable measures to safeguard protected personally identifiable and other sensitive information; and
23. For confirming your understanding of your responsibilities as defined in this letter to us in your management representation letter.

With regard to the schedule of expenditures of federal awards referred to above, you acknowledge and understand your responsibility (a) for the preparation of the schedule of expenditures of federal awards in accordance with the Uniform Guidance, (b) to provide us with the appropriate written representations regarding the schedule of expenditures of federal awards, (c) to include our report on the schedule of expenditures of federal awards in any document that contains the schedule of expenditures of federal awards and that indicates that we have reported on such schedule, and (d) to present the schedule of expenditures of federal awards with the audited financial statements, or if the schedule will not be presented with the audited financial statements, to make the audited financial statements readily available to the intended users of the schedule of expenditures of federal awards no later than the date of issuance by you of the schedule and our report thereon.

With regard to the supplementary information referred to above, you acknowledge and understand your responsibility (a) for the preparation of the supplementary information in accordance with the applicable criteria, (b) to provide us with the appropriate written representations regarding supplementary information, (c) to include our report on the supplementary information in any document that contains the supplementary information and that indicates that we have reported on such supplementary information, and (d) to present the supplementary information with the audited financial statements, or if the supplementary information will not be presented with the audited financial statements, to make the audited financial statements readily available to the intended users of the supplementary information no later than the date of issuance by you of the supplementary information and our report thereon.

As part of our audit process, we will request from management and, when appropriate, those charged with governance, written confirmation concerning representations made to us in connection with the audit.

We understand that your employees will prepare all confirmations we request and will locate any documents or invoices selected by us for testing.

If you intend to publish or otherwise reproduce the financial statements and make reference to our firm, you agree to provide us with printers' proofs or masters for our review and approval before printing. You also agree to provide us with a copy of the final reproduced material for our approval before it is distributed.

Nonattest Services

With respect to any nonattest services we perform, we agree to perform the following:

- Type, print, and bind the financial statements prepared by you
- Completion of the auditee’s portion of the Data Collection Form

We will not assume management responsibilities on behalf of the District. The District’s management understands and agrees that any advice or recommendation we may provide in connection with our audit engagement are solely to assist management in performing its responsibilities.

The District’s management is responsible for (a) making all management decisions and performing all management functions; (b) assigning a competent individual to oversee the services; (c) evaluating the adequacy of the services performed; (d) evaluating and accepting responsibility for the results of the services performed; and (e) establishing and maintaining internal controls, including monitoring ongoing activities.

Our responsibilities and limitations of the nonattest services are as follows:

- We will perform the services in accordance with applicable professional standards.
- The nonattest services are limited to the services previously outlined above. Our firm, in its sole professional judgment, reserves the right to refuse to do any procedure or take any action that could be construed as making management decisions or assuming management responsibilities.

Fees and Timing

Brian Stavenger is the engagement partner for the audit services specified in this letter. Responsibilities include supervising services performed as part of this engagement and signing or authorizing another qualified firm representative to sign the audit report. We expect to begin our audit in March 2023.

Our fees are based on the amount of time required at various levels of responsibility, plus actual out-of-pocket expenses and travel time, including administrative fees. Invoices are payable upon presentation. We estimate that our fee for the audit will not exceed the following, exclusive of considerations related to the adoption of GASB Statement No. 87, Leases (GASB No. 87), which is now effective for the entity.

Professional Services & Fees	2022
Audit of Financial Statements	\$ 25,450
Single Audit - \$5,200 per major program, assuming one	5,200
Total Fees	\$ 30,650

As noted above actual out-of-pocket expenses will be billed if onsite services are requested, plus the travel time of the professional(s) coming onsite at 50% of their hourly rates.

GASB No. 87 became effective for fiscal years beginning after June 15, 2021. The requirements of this standard will result in material changes to most governmental entity’s financial statements, both with respect to financial statement presentation and related disclosures. Our fees related to the performance of audit procedures related to your implementation of this standard will be dependent upon the number and nature of the entity’s lease arrangements.

We will notify you immediately of any circumstances we encounter that could significantly affect this initial fee estimate. Whenever possible, we will attempt to use the District's personnel to assist in the preparation of schedules and analyses of accounts. This effort could substantially reduce our time requirements and facilitate the timely conclusion of the audit. Further, we will be available during the year to consult with you on financial management and accounting matters of a routine nature.

The ability to perform and complete our engagement consistent with the estimated fee included above depends upon the quality of your underlying accounting records and the timeliness of your personnel in providing information and responding to our requests. To assist with this process, we will provide you with a Prepared-by-Client (PBC) request that identifies the information required to perform our engagement, as well as a planned timeline for the engagement. A failure to provide this information in an accurate and timely manner may result in an increase in our fees and/or a delay in the completion of our engagement.

We may be requested to make certain audit documentation available to outside parties, including regulators, pursuant to authority provided by law or regulation or applicable professional standards. If requested, access to such audit documentation will be provided under the supervision of Eide Bailly LLP's personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the outside party, who may intend, or decide, to distribute the copies of information contained therein to others, including other governmental agencies. We will be compensated for any time and expenses, including time and expenses of legal counsel, we may incur in making such audit documentation available or in conducting or responding to discovery requests or participating as a witness or otherwise in any legal, regulatory, or other proceedings as a result of our Firm's performance of these services. You and your attorney will receive, if lawful, a copy of every subpoena we are asked to respond to on your behalf and will have the ability to control the extent of the discovery process to control the costs you may incur.

Should our relationship terminate before our audit procedures are completed and a report issued, you will be billed for services to the date of termination. All bills are payable upon receipt. A service charge of 1% per month, which is an annual rate of 12%, will be added to all accounts unpaid 30 days after billing date. If collection action is necessary, expenses and reasonable attorney's fees will be added to the amount due.

Other Matters

During the course of the engagement, we will only provide confidential engagement documentation to you via Eide Bailly's secure portal or other secure methods, and request that you use the same or similar tools in providing information to us. Should you choose not to utilize secure communication applications, you acknowledge that such communication contains a risk of the information being made available to unintended third parties. Similarly, we may communicate with you or your personnel via e-mail or other electronic methods, and you acknowledge that communication in those mediums contains a risk of misdirected or intercepted communications.

Should you provide us with remote access to your information technology environment, including but not limited to your financial reporting system, you agree to (1) assign unique usernames and passwords for use by our personnel in accessing the system and to provide this information in a secure manner; (2) limit access to "read only" to prevent any unintentional deletion or alteration of your data; (3) limit access to the areas of your technology environment necessary to perform the procedures agreed upon; and (4) disable all usernames and passwords provided to us upon the completion of procedures for which access was provided. We agree to only access your technology environment to the extent necessary to perform the identified procedures.

Regarding the electronic dissemination of audited financial statements, including financial statements published electronically on your website or elsewhere, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

Professional standards prohibit us from being the sole host and/or the sole storage for your financial and non-financial data. As such, it is your responsibility to maintain your original data and records and we cannot be responsible to maintain such original information. By signing this engagement letter, you affirm that you have all the data and records required to make your books and records complete.

We may use third party service providers and/or affiliated entities (including Eide Bailly Shared Services Private Limited) (collectively, "service providers") in order to facilitate delivering our services to you. Our use of service providers may require access to client information by the service provider. We will take reasonable precautions to determine that they have the appropriate procedures in place to prevent the unauthorized release of confidential information to others. We will remain responsible for the confidentiality of client information accessed by such service provider and any work performed by such service provider.

Neither of us may use or disclose the other's confidential information for any purpose except as permitted under this engagement letter or as otherwise necessary for Eide Bailly to provide the services. Your confidential information is defined as any information you provide to us that is not available to the public. Eide Bailly's confidential information includes our audit documentation for this engagement. Our audit documentation shall at all times remain the property of Eide Bailly LLP. The confidentiality obligations described in this paragraph shall supersede and replace any and all prior confidentiality and/or nondisclosure agreements (NDAs) between us.

We agree to retain our audit documentation or work papers for a period of at least eight years from the date of our report.

Further, we will be available during the year to consult with you on financial management and accounting matters of a routine nature.

You agree to share all facts that may affect your financial statements, even if you first become aware of those facts after the date of the auditor's report but before the date your financial statements are issued.

At the conclusion of our audit engagement, we will communicate to the Board of Directors the following significant findings from the audit:

- Our view about the qualitative aspects of the entity's significant accounting practices;
- Significant difficulties, if any, encountered during the audit;
- Uncorrected misstatements, other than those we believe are trivial, if any;
- Disagreements with management, if any;
- Other findings or issues, if any, arising from the audit that are, in our professional judgment, significant and relevant to those charged with governance regarding their oversight of the financial reporting process;
- Material, corrected misstatements that were brought to the attention of management as a result of our audit procedures;
- Representations we requested from management;
- Management's consultations with other accountants, if any; and
- Significant issues, if any, arising from the audit that were discussed, or the subject of correspondence, with management.

Government Auditing Standards require that we provide, upon request, a copy of our most recent external peer review report and any subsequent review reports to the party contracting for the audit. Accordingly, we will provide a copy of our most recent peer review report at your request.

Eide Bailly LLP is a member of HLB International, a worldwide organization of accounting firms and business advisors, ("HLB"). Each member firm of HLB, including Eide Bailly LLP is a separate and independent legal entity and is not owned or controlled by any other member of HLB. Each member firm of HLB is solely responsible for its own acts and omissions and no other member assumes any liability for such acts or omissions. Neither Eide Bailly LLP, nor any of its affiliates, are responsible or liable for any acts or omission of HLB or any other member firm of HLB and hereby specifically disclaim any and all responsibility, even if Eide Bailly LLP, or any of its affiliates are aware of such acts or omissions of another member of HLB.

Eide Bailly LLP formed The Eide Bailly Alliance Network, a network for small to mid-sized CPA firms across the nation. Each member firm of The Eide Bailly Alliance, including Eide Bailly LLP, is a separate and independent legal entity and is not owned or controlled by any other member of The Eide Bailly Alliance. Each member firm of The Eide Bailly Alliance is solely responsible for its own acts and omissions and no other member assumes any liability for such acts or omissions. Neither Eide Bailly LLP, nor any of its affiliates, are responsible or liable for any acts or omission of The Eide Bailly Alliance or any other member firm of The Eide Bailly Alliance and hereby specifically disclaim any and all responsibility, even if Eide Bailly LLP, or any of its affiliates are aware of such acts or omissions of another member of The Eide Bailly Alliance.

MEDIATION

Any disagreement, controversy or claim arising out of or related to any aspect of our services or relationship with you (hereafter a "Dispute") shall, as a precondition to litigation in court, first be submitted to mediation. In mediation, the parties attempt to reach an amicable resolution of the Dispute with the aid of an impartial mediator. Mediation shall begin by service of a written demand. The mediator will be selected by mutual agreement. If we cannot agree on a mediator, one shall be designated by the American Arbitration Association ("AAA"). Mediation shall be conducted with the parties in person in . Each party will bear its own costs in the mediation. The fees and expenses of the mediator will be shared equally by the parties. Neither party may commence a lawsuit until the mediator declares an impasse.

LIMITED INDEMNITY

Eide Bailly LLP and its partners, affiliates, officers and employees (collectively "Eide Bailly") shall not be responsible for any misstatements in your financial statements that we may fail to detect as a result of misrepresentations or concealment of information by any of your owners, directors, officers or employees. You shall indemnify and hold Eide Bailly harmless from any claims, losses, settlements, judgments, awards, damages and attorneys' fees arising from any such misstatement or concealment of information.

If through no fault of Eide Bailly we are named as a party to a dispute between you and a third party, you shall indemnify and hold Eide Bailly harmless against any losses, damages, settlements, judgments, awards, and the costs of litigation (including attorneys' fees) we incur in connection with the dispute.

Eide Bailly shall not be entitled to indemnification under this agreement unless the services were performed in accordance with professional standards in all material respects.

LIMITATION OF LIABILITY

The exclusive remedy available to you for any alleged loss or damages arising from or related to Eide Bailly’s services or relationship with you shall be the right to pursue claims for actual damages that are directly caused by Eide Bailly’s breach of this agreement or Eide Bailly’s violation of applicable professional standards. In no event shall Eide Bailly’s aggregate liability to you exceed two times fees paid under this agreement, nor shall Eide Bailly ever be liable to you for incidental, consequential, punitive or exemplary damages, or attorneys’ fees.

TIME LIMITATION

You may not bring any legal proceeding against Eide Bailly unless it is commenced within twenty-four (24) months (“Limitation Period”) after the date when we delivered our report, return, or other deliverable under this agreement to you, regardless of whether we do other services for you or that may relate to the audit. The Limitation Period applies and begins to run even if you have not suffered any damage or loss, or have not become aware of a possible Dispute.

GOVERNING LAW AND VENUE

Any Dispute between us, including any Dispute related to the engagement contemplated by this agreement, shall be governed by Minnesota law. Any unresolved Dispute shall be submitted to a federal or state court located in Minneapolis, Minnesota.

ASSIGNMENTS PROHIBITED

You shall not assign, sell, barter or transfer any legal rights, causes of actions, claims or Disputes you may have against Eide Bailly to any person.

Please sign and return the attached copy of this letter to indicate your acknowledgment of, and agreement with, the arrangements for our audit of the financial statements including our respective responsibilities.

We appreciate the opportunity to be your certified public accountants and look forward to working with you and your staff.

Respectfully,



Brian Stavenger, CPA
Partner

RESPONSE:

This letter correctly sets forth our understanding.

Acknowledged and agreed on behalf of Garrison Diversion Conservancy District by:

Chair, Board of Directors

Date

Garrison Diversion Conservancy District Combined Statement of Revenues and Expenses For the Twelve Months Ended December 31, 2022						
	General Fund	Municipal Rural, and Industrial Fund	Operations Maintenance Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
Beginning Bank Balance	\$12,241,592	\$4,034	\$308,532	\$40,078	\$97,555	\$12,691,791
Revenues:						
Irrigation Admin	974					974
Lease Income	2,303					2,303
Revenue from Sale of Fixed Assets						-
Miscellaneous Income	3,903				1,710	5,613
Interest Income	64,010	561	433		1,315	66,319
Tax Levy	4,072,410					4,072,410
State Aid Distribution	265,885					265,885
Contract Revenue	66,452	25,441,812	6,035,559	26,786,840	877,046	59,207,709
Non-Project Income	624		266,468			267,092
Total Revenues	\$4,476,561	\$25,442,373	\$6,302,460	\$26,786,840	\$880,071	\$63,888,305
Expenditures:						
Director Expense	235,482					235,482
Employee Expense	1,167,595	71,839	2,110,930			3,350,364
Administrative Expense	165,984	57,058	94,400			317,442
Public Education	135,407					135,407
Professional Services	383,818		2,004,988	513,482		2,902,288
Irrigation Development	881,347					881,347
Water Supply Projects	98,614					98,614
GDCD Recreation Project	541,988					541,988
DWRA Recreation Project	4,512					4,512
Maintenance & Repairs	83,481		828,674		275,055	1,187,210
Capital Purchases	371,241		296,614	34,971	261,007	963,833
Construction in Progress				27,977,251		27,977,251
MR&I Project Expenses		25,292,604				25,292,604
Principal Debt Payments				308,201	171,282	479,483
Interest Payments				23,290	45,366	68,656
Total Expenditures *	\$ 4,069,469	\$ 25,421,501	\$ 5,335,606	\$ 28,857,195	\$ 752,710	\$ 64,436,481
Transfer In/Out	\$ (461,073)	\$ (20,311)	\$ (886,658)	\$ 1,368,042	\$ -	\$ -
Revenues Over Expenditures	\$ (53,981)	\$ 561	\$ 80,196	\$ (702,313)	\$ 127,361	\$ (548,176)
Net Change in Assets	(3,867,336)		(8,719)	911,958	(52,248)	\$ (3,016,345)
Ending Bank Balance	\$ 8,320,275	\$ 4,595	\$ 380,009	\$ 249,723	\$ 172,668	\$ 9,127,270

* Depreciation not reflected

GARRISON DIVERSION CONSERVANCY DISTRICT INCOME BUDGET ANALYSIS STATEMENT For the Twelve Months Ended December 31, 2022				
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2022	Income Received to December 31, 2022	Percentage of Amount Budgeted	Balance of Budget
Irrigation Admin	\$ 950	\$ 974	102.5%	\$ (24)
Lease Income	\$ -	\$ 2,303	0.0%	\$ (2,303)
Miscellaneous Income	\$ 1,050	\$ 5,613	0.0%	\$ (4,563)
Revenue Sale of Fixed Assets	\$ -	\$ -	0.0%	\$ -
Interest Income	\$ 34,170	\$ 66,319	194.1%	\$ (32,149)
Tax Levy	\$ 3,560,000	\$ 4,072,410	114.4%	\$ (512,410)
State Aid	\$ 230,000	\$ 265,885	115.6%	\$ (35,885)
General Fund Contract Revenue	\$ 44,000	\$ 66,452	151.0%	\$ (22,452)
O&M Contract Revenue	\$ 6,811,171	\$ 6,035,559	88.6%	\$ 775,612
MR&I Contract Revenue	\$ 27,198,810	\$ 25,441,812	93.5%	\$ 1,756,998
RRVWSP Contract Revenue	\$ 25,400,000	\$ 26,786,840	105.5%	\$ (1,386,840)
Irrigation Fund Revenue	\$ 939,655	\$ 877,046	93.3%	\$ 62,609
Project Revenue	\$ -	\$ -	0.0%	\$ -
Non-Project Revenue	\$ 146,000	\$ 267,092	182.9%	\$ (121,092)
Total Revenues	\$64,365,806	\$63,888,305	99.3%	\$477,501

GARRISON DIVERSION CONSERVANCY DISTRICT						
Expense Budget Analysis Statement						
For the Twelve Months Ended December 31, 2022						
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2021	Expenditures Charged to 2021 Budget	Budget for 2022	Expenditures to December 31, 2022	Percentage Spent Amount Budgeted	Balance of Budget
Expenses						
Director Expenses	\$ 270,000	\$ 164,738	\$ 270,000	\$ 235,482	87.2%	\$ 34,518
Employee Expenses	\$ 4,126,000	\$ 3,383,776	\$ 3,746,366	\$ 3,350,364	89.4%	\$ 396,002
Administrative Expenses	\$ 435,000	\$ 322,939	\$ 431,335	\$ 317,442	73.6%	\$ 113,893
Public Education	\$ 107,000	\$ 84,469	\$ 151,840	\$ 135,407	89.2%	\$ 16,433
Professional Services	\$ 3,497,875	\$ 1,946,187	\$ 3,580,225	\$ 2,902,288	81.1%	\$ 677,937
Irrigation Development	\$ 270,125	\$ 269,756	\$ 911,200	\$ 881,347	96.7%	\$ 29,853
Water Supply Program	\$ 300,000	\$ 41,531	\$ 300,000	\$ 98,614	32.9%	\$ 201,386
GDCD Recreation Grant Program	\$ 783,000	\$ 782,016	\$ 600,000	\$ 541,988	90.3%	\$ 58,012
DWRA Recreation Program	\$ 10,000	\$ 4,045	\$ 10,000	\$ 4,512	45.1%	\$ 5,488
Irrigation District Expense	\$ 2,000	\$ -	\$ 2,000	\$ -	0.0%	\$ 2,000
Maintenance & Repairs	\$ 1,586,091	\$ 1,231,554	\$ 1,611,040	\$ 1,187,210	73.7%	\$ 423,830
Capital Purchases	\$ 859,909	\$ 894,158	\$ 1,056,000	\$ 963,833	91.3%	\$ 92,167
Construction in Progress	\$ 20,000,000	\$ 19,465,770	\$ 25,845,000	\$ 27,977,251	108.3%	\$ (2,132,251)
MR&I Fund	\$ 15,000,000	\$ 13,420,818	\$ 27,000,000	\$ 25,292,604	93.7%	\$ 1,707,396
Principal on Debt Repayment	\$ 189,000	\$ 164,193	\$ 480,201	\$ 479,483	99.9%	\$ 718
Interest on Debt Repayment	\$ 70,000	\$ 51,314	\$ 68,290	\$ 68,656	100.5%	\$ (366)
Total Expenses	\$ 47,506,000	\$ 42,227,264	\$ 66,063,497	\$ 64,436,481	97.5%	\$ 1,627,016
Transfers In/Out						
MR&I	\$ 20,000	\$ 19,882	\$ 22,000	\$ 20,311	92.3%	\$ 1,689
O&M	\$ 1,217,000	\$ 998,357	\$ 972,340	\$ 886,658	91.2%	\$ 85,682
Irrigation	\$ -	\$ -	\$ -	\$ 0	0.0%	\$ -
RRVWSP	\$ 29,000	\$ -	\$ (1,451,491)	\$ (1,368,042)	0.0%	\$ (83,449)
Total Transfers Out	\$ 1,266,000	\$ 1,018,239	\$ (457,151)	\$ (461,073)	100.9%	\$ 3,922
Total Expenses & Transfers Out	\$ 48,772,000	\$ 43,245,503	\$ 65,606,346	\$ 63,975,408	97.5%	\$ 1,630,938

GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES STATEMENT December 31, 2022	
OPERATING RESERVE	
Operating Reserve authorized to be established in the amount of \$300,000.00 per resolution of the Board dated January 15, 1970. Limit changed to \$330,000 by Board action on January 6, 1995. Reserve cap removed by Board action July 2, 1997.	\$5,587,228.00
O&M EMERGENCY RESERVE	
O&M Emergency Reserve to be established in the amount of \$500,000.00 by Article 13 (a) of the Master Contract and by action taken by the Board dated January 16, 1970. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$822,817.55 by Board action July 2, 1997.	750,000.00
DEFICIENCY RESERVE	
Deficiency Reserve to be established in the amount of \$750,000.00 by Article 13 (b) of the Master Contract. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$802,287.54 by Board action July 2, 1997.	750,000.00
PROJECT DEVELOPMENT RESERVE	
Project Development Reserve to be established in the amount of \$750,000.00 by resolution of the Board dated July 17, 1969. Limit changed to \$1,000,000.00 July 1982. Reserve capped at \$915,592.98 by Board action July 2, 1997.	915,592.98
TOTAL GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES	\$8,002,820.98

Garrison Diversion Conservancy District Funds in Bank of North Dakota December 31, 2022				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	Checking Account	0.25%		\$ 137,509.83
General	Water Assistance Grant Matching	0.25%		\$ 107,117.00
General	Recreation Reserve-Operating Reserve	0.25%		\$ 2,818.50
General	Money Market Deposit Account	0.25%		\$ 4,056,039.03
General	Water Assistance Grant Reserve	0.25%		\$ 352,738.70
General	Accrued Leave-Operating Reserve	0.25%		\$ 179,559.71
	Total Deposits			\$ 4,835,782.77

Garrison Diversion Conservancy District Funds in First International Bank & Trust December 31, 2022				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	CD 118955-Project Development	0.50%	01/19/23	\$ 350,000.00
General	CD 118848-O&M Emergency Res.	0.50%	03/29/23	\$ 350,000.00
General	CD 119561-O&M Emergency Reserve	0.19%	04/01/23	\$ 83,682.45
General	CD 119070-Operating Reserve	0.50%	04/17/23	\$ 820,000.00
General	CD 118954	0.50%	04/19/23	\$ 500,000.00
General	CD 119130	0.50%	05/18/23	\$ 1,000,000.00
General	CD 118850-Operating Reserve	0.40%	07/20/23	\$ 50,500.00
General	CD 119210	2.00%	09/09/23	\$ 2,500,000.00
General	CD 80120161	2.25%	09/19/23	\$ 1,000,000.00
General	CD 119245	2.25%	09/30/23	\$ 1,000,000.00
General	CD 119434-Deficiency Reserve	0.50%	11/30/23	\$ 175,854.00
General	CD 118849-Deficiency Reserve	0.40%	01/29/24	\$ 200,000.00
General	CD 80120162	2.35%	03/19/24	\$ 1,000,000.00
General	CD 80120163	2.50%	09/19/24	\$ 1,000,000.00
General	Recreation Matching-Operating Reserve	0.25%		\$ 1,774,536.43
General	Money Market Funds	0.25%		\$ -
General	Recreation Reserve-Operating Reserve	0.25%		\$ 1,709,957.66
	Total Deposits			\$ 13,514,530.54
Pledging	Total Deposits			\$ 13,514,530.54
	Less: FDIC Coverage			(250,000.00)
	Deposit Balance to Secure			13,264,530.54
	Less: Pledging			16,624,375.05
	Pledging Excess			\$ 3,359,844.51

Garrison Diversion Conservancy District Farm Credit Services of North Dakota Stock December 31, 2022				
Fund	Account Name/Reserve	Principal Balance	Maturity Date	Balance
General	Operating Reserve	\$ 34,052.67	05/01/25	\$ 1,000.00

BREMER BANK DEPOSIT AND PLEDGING SUMMARY December 31, 2022						
<i>Account Type</i>		<i>Balance</i>	<i>Interest Rate</i>	<i>Maturity Date</i>	<i>Deposit Insurance / Pledging Status</i>	
<i>Demand Deposit Accounts</i>						
Non-Interest Bearing Checking Accounts						
					Total Demand Deposits	\$629,730.98
					Less: FDIC Insurance Coverage	250,000.00
xxxx61	Operations & Maintenance Fund	380,007.50	0.00%		Demand Deposit Balance to Secure	\$379,730.98
xxxx52	Red River Valley Water Supply	249,723.48	0.00%		x 110%	1.10
Total Demand Deposits		629,730.98			Pledging Required on Demand Deposits	\$417,704.08
<i>Time and Savings Deposits</i>						
Interest Bearing Checking						
xxxx34	Irrigation Fund	172,668.38	0.015%			
xxxxxx62	M R & I Working Fund	4,594.58	0.015%			
Total Interest Bearing Checking Balance		<u>177,262.96</u>				
Savings Accounts						
xxxx41	O&M - Accrued Leave Reserve	153,799.18	0.0520%			
xxxxxx63	Irrigation - Debt Service Reserve	288,666.30	0.0520%			
Total Savings Balance		<u>442,465.48</u>				
Certificates of Deposit						
xxx907-1	Certificate of Deposit-Operating Reserve	542,000.00	0.25%	3/1/2023		
xxx906-1	Certificate of Deposit-Deficiency Reserve	250,000.00	0.25%	3/1/2023		
xxxxxx803-1	Certificate of Deposit	1,000,000.00	0.75%	4/11/2023		
xxx591-1	Certificate of Deposit-OM Emergency Res.	210,000.00	0.35%	4/24/2023		
xxxxxx106	Certificate of Deposit-OM Emergency Res.	106,317.55	0.80%	5/22/2023		
xxxxxx933-1	Certificate of Deposit-Project Dev Reserve	313,538.98	0.35%	8/30/2023		
xxxx0394	Certificate of Deposit-Operating Reserve	47,000.00	0.65%	2/20/2024		
xxxx8862	Certificate of Deposit-Project Dev Reserve	252,054.00	0.65%	2/24/2024	Total Time & Savings Deposit Account Balance	\$3,464,784.97
xxxx1061	Certificate of Deposit-Deficiency Reserve	124,146.00	0.65%	2/24/2024	Less: FDIC Insurance Coverage	250,000.00
Total CD Balance		<u>2,845,056.53</u>			Time & Savings Deposit Balance to Secure	\$3,214,784.97
					x 110%	1.10
Total Time & Savings Deposit Account Balance		\$3,464,784.97			Pledging Required on Time & Savings Deposits	\$3,536,263.47
Total Deposits		\$4,094,515.95			Total Pledging Required on all Deposits	\$3,953,967.55
					Pledging at Wells Fargo	\$12,657,313.00
					Pledging Excess	\$8,703,345.46

GARRISON DIVERSION CONSERVANCY DISTRICT						
Tax Collections Statement						
For the Twelve Months Ending December 31, 2022						
County	2022 Tax Levy Budget	2022 Tax Collections	Balance of Tax Levy Budget	2022 State Aid Budget	2022 State Aid	Balance State Aid Budget
Barnes	\$76,000	\$85,976	(\$9,976)	\$5,000	\$5,640	(\$640)
Benson	31,000	35,208	(4,208)	4,000	4,157	(157)
Bottineau	56,000	62,104	(6,104)	3,000	4,643	(1,643)
Burleigh	471,000	546,257	(75,257)	36,000	32,676	3,324
Cass	861,000	1,008,427	(147,427)	55,000	63,766	(8,766)
Dickey	39,000	45,647	(6,647)	4,000	4,506	(506)
Eddy	14,000	15,333	(1,333)	2,000	2,495	(495)
Foster	25,000	29,523	(4,523)	6,000	7,438	(1,438)
Grand Forks	285,000	323,545	(38,545)	10,000	13,070	(3,070)
Griggs	19,000	21,472	(2,472)	2,000	2,522	(522)
LaMoure	38,000	44,608	(6,608)	4,000	4,587	(587)
McHenry	44,000	50,888	(6,888)	2,000	2,790	(790)
McKenzie	330,000	358,198	(28,198)	27,000	35,174	(8,174)
McLean	73,000	84,019	(11,019)	8,000	8,874	(874)
Nelson	23,000	26,706	(3,706)	2,000	2,404	(404)
Pierce	30,000	33,741	(3,741)	3,000	3,313	(313)
Ramsey	54,000	63,446	(9,446)	5,000	6,129	(1,129)
Ransom	35,000	39,786	(4,786)	-	-	-
Renville	22,000	24,317	(2,317)	3,000	2,968	32
Richland	91,000	106,439	(15,439)	-	-	-
Sargeant	34,000	38,697	(4,697)	3,000	3,143	(143)
Sheridan	14,000	16,181	(2,181)	4,000	4,387	(387)
Steele	27,000	30,847	(3,847)	2,000	2,159	(159)
Stutsman	116,000	133,730	(17,730)	8,000	9,146	(1,146)
Traill	52,000	59,468	(7,468)	3,000	3,859	(859)
Ward	298,000	337,398	(39,398)	18,000	22,290	(4,290)
Wells	38,000	44,539	(6,539)	3,000	3,701	(701)
Williams	364,000	405,910	(41,908)	8,000	10,048	(2,048)
Totals	\$ 3,560,000	\$4,072,410	\$ (512,408)	\$ 230,000	265,885	\$ (35,885)

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For the Twelve Months Ended December 31, 2022						
	Budget 1/1/1 to 12/31/21	Expenditures Chargeable to 2021 Budget	Budget 1/1/22 to 12/31/22	2022 Actual as of 12/31/2022	Balance of Budget as of 12/31/2022	Percentage of Budget Spent
GENERAL FUND						
Directors Expense						
Directors Per Diem	\$130,000	\$102,309	\$130,000	\$120,037	\$9,963	92.3%
Directors Expense	\$140,000	\$62,429	\$140,000	\$115,445	\$24,555	82.5%
Total Directors Expense	\$270,000	\$164,738	\$270,000	\$235,482	\$34,518	87.2%
Employee Expense						
Employee Salaries	726,000	\$698,075	822,000	\$780,874	\$41,126	95.0%
General Manager Exp	35,000	\$10,116	35,000	\$15,160	\$19,840	43.3%
Travel	61,000	\$30,673	61,000	33,344	27,656	54.7%
Admn Officer - Merri Mooridian	25,000	\$17,938	25,000	\$17,711	\$7,289	70.8%
Dist. Engr - Kip Kovar	10,000	\$4,052	10,000	\$6,490	\$3,510	64.9%
Engineer - Ryan Anderson	5,000	\$1,630	5,000	\$1,901	\$3,099	38.0%
Dir. Comm. - Kim Cook	6,000	\$1,248	6,000	\$1,363	\$4,637	22.7%
Emp Exp Other	15,000	\$5,805	15,000	\$5,879	\$9,121	39.2%
Professional Development	17,000	\$9,050	17,000	5,500	\$11,500	32.4%
Employee Training	15,000	\$9,050	15,000	\$5,500	\$9,500	36.7%
Wellness Program	2,000	\$0	2,000	\$0	\$2,000	0.0%
Benefits	369,000	\$310,989	406,000	332,717	\$73,283	82.0%
GDCD FICA	65,000	\$57,250	72,000	\$64,927	\$7,073	90.2%
Retirement	103,000	\$99,924	117,000	\$111,743	\$5,257	95.5%
Hospital & Life Insurance	165,000	\$136,004	177,000	\$136,698	\$40,302	77.2%
Unemployment Comp	1,000	\$273	1,000	\$307	\$693	30.7%
Dental / Vision Ins.	14,000	\$11,032	14,000	\$11,637	\$2,363	83.1%
Work Force Safety	1,000	\$333	1,000	\$307	\$693	30.7%
Long-Term Disability Ins	7,000	\$6,173	9,000	\$7,098	\$1,902	78.9%
Vacation/Sick Leave Liability	13,000	\$0	15,000	\$0	\$15,000	0.0%
Total Employee Expense	1,208,000	\$1,058,903	1,341,000	\$1,167,595	\$173,405	87.1%
Administration						
Postage	\$7,000	\$4,954	\$7,000	\$3,057	\$3,943	43.7%
Communications	\$27,000	\$14,521	\$31,000	\$14,124	\$16,876	45.6%
Utilities	\$33,000	\$30,888	\$34,000	\$31,989	\$2,011	94.1%
Meetings & Events	\$10,000	\$4,541	\$10,000	\$8,602	\$1,398	86.0%
Subscriptions/Publications	\$7,000	\$5,457	\$6,000	\$5,850	\$150	97.5%
Miscellaneous	\$9,000	\$3,222	\$6,000	\$2,916	\$3,084	48.6%
Data Processing	\$21,000	\$18,312	\$23,000	\$20,270	\$2,730	88.1%
Employee Recruiting	\$5,000	\$0	\$5,000	\$0	\$5,000	0.0%
Supplies	\$20,000	\$12,770	\$18,000	\$10,135	\$7,865	56.3%
Small Office Equipment	\$15,000	\$6,708	\$14,200	\$10,886	\$3,314	76.7%
Dues	\$15,000	\$12,931	\$15,000	\$11,528	\$3,472	76.9%
Insurance	\$13,000	\$12,995	\$15,800	\$15,509	\$291	98.2%
Annual Independent Audit	\$31,000	\$28,000	\$33,500	\$31,118	\$2,382	92.9%
Total Administration	\$213,000	\$155,299	\$218,500	\$165,984	\$52,516	76.0%
Public Education						
GDCD Tours	\$10,000	\$1,820	\$10,000	\$5,000	\$5,000	50.0%
ND Water Users Ass'n Dues	\$20,000	\$20,000	\$20,000	\$20,000	\$0	100.0%
ND Water Coalition Dues	\$14,000	\$14,000	\$14,000	\$14,000	\$0	100.0%
ND Water Magazine	\$18,000	\$18,000	\$18,000	\$18,000	\$0	100.0%
Missouri River Joint Board	\$15,000	\$14,850	\$71,090	\$71,061	\$29	100.0%
Conference Booth Fees, Sponsorships	\$20,000	\$13,211	\$9,750	\$6,940	\$2,810	71.2%
Miscellaneous	\$10,000	\$2,589	\$9,000	\$406	\$8,594	4.5%
Total Public Education	\$107,000	\$84,470	\$151,840	\$135,407	\$16,433	89.2%

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For the Twelve Months Ended December 31, 2022						
	Budget 1/1/1 to 12/31/21	Expenditures Chargeable to 2021 Budget	Budget 1/1/22 to 12/31/22	2022 Actual as of 12/31/2022	Balance of Budget as of 12/31/2022	Percentage of Budget Spent
Professional Services						
Communications	\$242,875	\$129,120	\$160,000	\$109,375	\$50,625	68.4%
Engineering	\$125,000	\$25,651	\$125,000	\$43,248	\$81,752	34.6%
RRVWSP Development	\$357,000	\$59,534	\$309,000	\$65,640	\$243,360	21.2%
Technical Support for LAWA	\$15,000	\$0	\$0	\$0	\$0	0.0%
Engineering	\$100,000	\$0	\$100,000	\$7,494	\$92,506	7.5%
Legal	\$150,000	\$55,310	\$133,000	\$51,674	\$81,326	38.9%
Financial	\$10,000	\$0	\$10,000	\$0	\$10,000	0.0%
Consultants	\$50,000	\$469	\$50,000	\$0	\$50,000	0.0%
Meeting, Misc. Exp	\$32,000	\$3,755	\$16,000	\$6,472	\$9,528	40.5%
Prof Services Other	\$45,000	\$2,056	\$30,000	\$22,793	\$7,207	76.0%
Legal Services	\$200,000	\$168,368	\$215,000	\$142,762	\$72,238	66.4%
Total Professional Services	\$969,875	\$384,729	\$839,000	\$383,818	\$455,182	45.7%
Irrigation Development						
ND Irrigation Association	\$50,000	\$50,000	\$50,000	\$50,000	\$0	100.0%
NDSU Oakes Irrigation Site	\$178,000	\$178,000	\$202,575	\$174,680	\$27,895	86.2%
Robert Titus Lease	\$16,453	\$16,453	\$16,625	\$16,484	\$141	99.2%
Irrigation Development	\$25,672	\$25,303	\$642,000	\$640,183	\$1,817	99.7%
Total Irrigation Development	\$270,125	\$269,756	\$911,200	\$881,347	\$29,853	96.7%
Recreation						
GDCD Recreation Grant Program	\$783,000	\$782,016	\$600,000	\$541,988	\$58,012	90.3%
DWRA Recreation Program	\$10,000	\$4,045	\$10,000	\$4,512	\$5,488	45.1%
Total Recreation	\$793,000	\$786,061	\$610,000	\$546,500	\$63,500	89.6%
Water Supply Grant Program	\$300,000	\$41,531	\$300,000	\$98,614	\$201,386	32.9%
Irrigation Districts Expense						
Irrigation Districts	\$2,000	\$0	\$2,000	\$0	\$2,000	0.0%
Total Irrigation Districts Expense	\$2,000	\$0	\$2,000	\$0	\$2,000	0.0%
Maintenance & Repair						
Equipment Maintenance	\$29,000	\$25,718	\$30,000	\$30,543	(\$543)	101.8%
Small Yard Equipment Purchases	\$4,350	\$4,350	\$0	\$0	\$0	0.0%
Land & Bldg Maintenance	\$34,091	\$34,007	\$41,000	\$39,476	\$1,524	96.3%
Auto Expense	\$10,850	\$8,980	\$15,000	\$13,462	\$1,538	89.7%
Total Maintenance & Repair	\$78,291	\$73,055	\$86,000	\$83,481	\$2,519	97.1%
Capital Purchases						
Office Equip & Furniture	\$20,000	\$13,863	\$181,000	\$177,157	\$3,843	97.9%
Yard Equipment	\$20,000	\$0	\$30,000	\$29,899	\$101	99.7%
Vehicle	\$35,000	\$0	\$60,000	\$57,786	\$2,214	96.3%
Land and Buildings	\$61,709	\$61,709	\$110,000	\$106,399	\$3,601	96.7%
Total Capital Purchases	\$136,709	\$75,572	\$381,000	\$371,241	\$9,759	97.4%
Total General Fund	\$4,348,000	\$3,094,114	\$5,110,540	\$4,069,469	\$1,041,071	79.6%

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For the Twelve Months Ended December 31, 2022						
	Budget 1/1/1 to 12/31/21	Expenditures Chargeable to 2021 Budget	Budget 1/1/22 to 12/31/22	2022 Actual as of 12/31/2022	Balance of Budget as of 12/31/2022	Percentage of Budget Spent
IRRIGATION FUND						
McClusky Canal Irrigation:	\$389,000	\$341,773	\$722,800	\$536,062	\$186,738	74.2%
Construction	\$3,000	\$2,633	\$290,000	\$261,007	\$28,993	90.0%
Operations	\$386,000	\$339,140	\$432,800	\$275,055	\$157,745	63.6%
Debt Payments	\$259,000	\$215,507	\$217,000	\$216,648	\$352	99.8%
Principal	\$189,000	\$164,193	\$172,000	\$171,282	\$718	99.6%
Interest	\$70,000	\$51,314	\$45,000	\$45,366	(\$366)	100.8%
Total Irrigation Fund	\$648,000	\$557,280	\$939,800	\$752,710	\$187,090	80.1%
GDU O & M						
Salaries and Benefits	\$2,644,000	\$2,209,512	\$2,247,266	\$2,070,155	\$177,111	92.1%
Salaries	\$1,646,000	\$1,466,657	\$1,446,050	\$1,366,860	\$79,190	94.5%
Benefits	\$998,000	\$742,855	\$801,216	\$703,295	\$97,921	87.8%
Travel	\$33,000	\$7,478	\$17,115	\$7,099	\$10,016	41.5%
Training	\$5,000	\$748	\$9,000	\$0	\$9,000	0.0%
Utilities	\$101,000	\$90,035	\$87,000	\$79,965	\$7,035	91.9%
Contractual Services	\$1,628,000	\$1,313,505	\$2,066,225	\$2,004,988	\$61,237	97.0%
Supplies	\$631,000	\$451,582	\$624,000	\$552,792	\$71,208	88.6%
Capital Purchases	\$720,200	\$720,104	\$385,000	\$296,614	\$88,386	77.0%
Small Equipment Purchases	\$20,000	\$17,352	\$0	\$0	\$0	0.0%
Equipment Rental	\$11,000	\$134	\$0	\$0	\$0	0.0%
Equipment Maintenance	\$313,000	\$265,602	\$236,240	\$196,809	\$39,431	83.3%
Safety	\$61,000	\$40,873	\$58,985	\$33,676	\$25,309	57.1%
Miscellaneous	\$54,000	\$11,967	\$22,000	\$14,435	\$7,565	65.6%
Materials	\$146,800	\$84,689	\$232,000	\$79,073	\$152,927	34.1%
Total GDU O & M	\$6,368,000	\$5,213,581	\$5,984,831	\$5,335,606	\$649,225	89.2%
MR&I Fund						
Salaries & Benefits	\$68,000	\$66,260	\$73,000	\$71,839	\$1,161	98.4%
State Administration	\$67,000	\$65,638	\$103,835	\$57,058	\$46,777	55.0%
MR&I Project Expenditures	\$15,000,000	\$13,420,818	\$27,000,000	\$25,292,604	\$1,707,396	93.7%
Total MR&I Fund	\$15,135,000	\$13,552,716	\$27,176,835	\$25,421,501	\$1,755,334	93.5%
RRV Water Supply Project						
Right of Way	\$250,000	\$198,929	\$200,000	\$88,594	\$111,406	44.3%
Design/Construction in Progress	\$20,000,000	\$19,362,690	\$25,845,000	\$27,923,627	(\$2,078,627)	108.0%
Salaries & Benefits	\$107,000	\$0	\$0	\$0	\$0	0.0%
Professional Services	\$650,000	\$247,953	\$475,000	\$513,483	(\$38,483)	196%
Financing/Legal/Administration	\$450,000	\$235,668	\$460,000	\$500,349	(\$40,349)	108.8%
Other Engineering	\$200,000	\$12,285	\$15,000	\$13,134	\$1,866	87.6%
Debt Payments			\$331,491	\$331,491	\$0	200%
Principal			\$308,201	\$308,201	\$0	100.0%
Interest			\$23,290	\$23,290	\$0	100.0%
Total RRVWSP	\$21,007,000	\$19,809,572	\$26,851,491	\$28,857,195	(\$2,005,704)	107.5%
TOTAL ALL FUNDS	\$47,506,000	\$42,227,263	\$66,063,497	\$64,436,481	\$1,627,016	97.5%

GARRISON DIVERSION CONSERVANCY DISTRICT GDGD RECREATION GRANT PROGRAM OUTSTANDING PROJECTS July 1, 1990 to December 31, 2022								
COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2022	EXPENDITURES 04-23-15 to 12-31-2021	EXPENDITURES 1-1-22 to 12-31-22	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 12-31-22
Barnes	Hi-Line Prairie Gardens/Orchard Phase III	05-02-18	\$ 16,055.00		\$ 12,743.89	\$ 3,311.11		\$ 0.00
Barnes	Sheyenne River Water Trail	04-29-21	\$ 51,005.00					\$ 51,005.00
Benson	Maddock City Playground	03-30-22		\$ 22,099.00		\$ 16,968.00	\$ (5,131.00)	\$ -
Bottineau	VFW Park Bathroom	09-26-19	\$ 10,000.00		\$ 9,443.31		\$ (556.69)	\$ -
Bottineau	Antler Memorial Playground	05-06-20	\$ 5,643.00			\$ 4,764.75	\$ (878.25)	\$ -
Bottineau	Lake Metigoshe Boat Ramp	09-23-21	\$ 6,625.00			\$ 6,625.00		\$ -
Bottineau	Carbury Dam Playground Edging	03-30-22		\$ 859.00		\$ 859.00		\$ -
Bottineau	Kramer City Park	09-28-22		\$ 21,250.00				\$ 21,250.00
Bottineau	T-Bar Lift at Winter Park	09-28-22		\$ 75,000.00				\$ 75,000.00
Burleigh	McDowell Dam Vault Toilet	09-26-19	\$ 3,478.00			\$ 3,478.00		\$ -
Burleigh	Zonta Park Prairie Play Nodes	09-26-19	\$ 15,053.00		\$ 9,450.50	\$ 1,618.75	\$ (3,983.75)	\$ -
Burleigh	North Central Park Improvements	10-01-20	\$ 82,136.00			\$ 82,136.00		\$ -
Burleigh	Sertoma Park Fitness Improvements	04-29-21	\$ 75,167.00			\$ 75,167.00		\$ -
Burleigh	Tom O'Leary Restroom	04-29-21	\$ 80,513.00			\$ 80,513.00		\$ -
Burleigh	Steckel Boat Landing Picnic Shelter	04-29-21	\$ 6,000.00					\$ 6,000.00
Burleigh	4H Arena Play Area	09-23-21	\$ 31,291.00					\$ 31,291.00
Burleigh	Sibley Campground Electrical Updates	09-23-21	\$ 36,746.00					\$ 36,746.00
Burleigh	American Legion Splash Pad	09-28-22		\$ 30,000.00				\$ 30,000.00
Burleigh	Wilton North Park Pickle Ball Court	09-28-22		\$ 2,395.00				\$ 2,395.00
Cass	RRV Fair Campground Phase I	05-06-20	\$ 4,721.00					\$ 4,721.00
Cass	Casselton Parks Revitalization	10-01-20	\$ 1,995.00		\$ 605.00			\$ 1,390.00
Cass	Casselton Shared Use Path	09-23-21	\$ 50,000.00					\$ 50,000.00
Cass	Mapleton Shared Use Path	09-23-21	\$ 50,000.00					\$ 50,000.00
Cass	Brewer Lake Water Hook-ups	03-30-22		\$ 638.00				\$ 638.00
Cass	Tinta Tawa Park Restroom	03-30-22		\$ 9,575.00				\$ 9,575.00
Cass	West Fargo Park District Playground Imp	09-28-22		\$ 16,145.00				\$ 16,145.00
Dickey	Pheasant Lake Boat Ramp Sign	05-02-19	\$ 973.00			\$ 208.96	\$ (764.04)	\$ -
Dickey	West Side Park Playground	04-29-21	\$ 7,520.00					\$ 7,520.00
Dickey	Ellendale Baseball Grandstand Reno	09-28-22		\$ 20,000.00				\$ 20,000.00
Dickey	Wilson Dam Picnic Shelter Renovation	09-28-22		\$ 1,778.00				\$ 1,778.00
Eddy	Eddy County Recreational Pavilion	09-26-19	\$ 8,933.00			\$ 8,933.00		\$ -
Eddy	Warming House/Boat Rental Building	04-29-21	\$ 5,750.00					\$ 5,750.00
Foster	Foster County Fairgrounds Picnic Shelter	09-23-21	\$ 5,191.00					\$ 5,191.00
Foster	Baseball/Softball Diamond Renovations	03-30-22		\$ 75,000.00		\$ 12,507.93		\$ 62,492.07
Foster	Carrington West Park Renovation	03-30-22		\$ 61,202.00		\$ 22,500.00		\$ 38,702.00
Grand Forks	Bringewatt Park Water Station	09-23-21	\$ 10,000.00					\$ 10,000.00
Grand Forks	Kraft Field Grandstand Replacement	09-28-22		\$ 75,000.00				\$ 75,000.00
Grand Forks	Manvel Community Park Improvement	09-28-22		\$ 12,699.00				\$ 12,699.00
Griggs	ADA Restroom/Concession Stand	10-07-16	\$ 6,125.00		\$ 3,977.60	\$ 1,590.52	\$ (556.88)	\$ -
Griggs	Hannaford Park Playground	10-03-18	\$ 7,309.00		\$ 6,709.50		\$ (599.50)	\$ -
Griggs	Binford Park Playground Update	03-30-22		\$ 2,950.00				\$ 2,950.00
Griggs	Binford Rodeo Asso Community Centre	09-28-22		\$ 75,000.00				\$ 75,000.00
LaMoure	Sunset Park Revitalization Phase II	05-06-20	\$ 45,000.00			\$ 27,025.23		\$ 17,974.77
McHenry	Upham Park Improvement	04-29-21	\$ 9,125.00			\$ 8,627.75		\$ 497.25
McHenry	Splash Pad	09-23-21	\$ 19,838.00		\$ 1,475.00	\$ 250.00		\$ 18,113.00
McLean	Wilderness Park Improvement	05-02-18	\$ 10,000.00			\$ 10,000.00		\$ -
McLean	Fair Bleachers & Benches	09-26-19	\$ 8,770.00		\$ 8,323.75		\$ (446.25)	\$ -
McLean	Walking/Bike Path Underwood	05-06-20	\$ 15,668.00					\$ 15,668.00
McLean	Mercer Memorial Park Playground	10-01-20	\$ 18,248.00			\$ 18,248.00		\$ -
McLean	Lakeside Park Gazebo/Riverdale	04-29-21	\$ 1,500.00					\$ 1,500.00
McLean	Playground Equipment-Coleharbor	09-23-21	\$ 23,460.00					\$ 23,460.00
McLean	Garrison Softball Field Renovation	09-28-22		\$ 75,000.00				\$ 75,000.00
Nelson	Tolna City Park Restrooms	10-03-18	\$ 21,933.00					\$ 21,933.00
Nelson	Playground Equipment-Pekin	05-06-20	\$ 14,302.00		\$ 14,302.00			\$ -
Nelson	Michigan Playground	03-30-22		\$ 15,755.00		\$ 15,396.90	\$ (358.10)	\$ -
Nelson	Stump Lake Playground	03-30-22		\$ 13,869.00				\$ 13,869.00
Nelson	Lakota Wading Pool	09-28-22		\$ 51,030.00				\$ 51,030.00
Pierce	Buffalo Lake Camp Site	04-29-21	\$ 3,250.00			\$ 1,930.06		\$ 1,319.94
Pierce	Barton Park Picnic Tables/Play Gym	09-23-21	\$ 1,250.00					\$ 1,250.00
Ramsey	Roosevelt Park Activity Building	09-28-22		\$ 75,000.00				\$ 75,000.00
Ransom	Dead Colt Walkway	04-29-21	\$ 23,750.00					\$ 23,750.00
Ransom	Sandager Park Pavilion	04-29-21	\$ 11,000.00			\$ 10,080.59	\$ (919.41)	\$ -
Ransom	Sheldon Pickle Ball/BB Courts	03-30-22		\$ 5,262.00				\$ 5,262.00
Renville	Mouse River Park Playground Expansion	10-01-20	\$ 2,062.00			\$ 2,062.00		\$ -
Renville	Mouse River Park Picnic Shelter	04-29-21	\$ 2,075.00			\$ 1,767.75	\$ (307.25)	\$ -
Renville	Mouse River Park Campground Electrical	09-23-21	\$ 3,750.00					\$ 3,750.00
Renville	Mohall Splash Pad	09-28-22		\$ 20,000.00				\$ 20,000.00

GARRISON DIVERSION CONSERVANCY DISTRICT GDCD RECREATION GRANT PROGRAM OUTSTANDING PROJECTS July 1, 1990 to December 31, 2022								
COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2022	EXPENDITURES 04-23-15 to 12-31-2021	EXPENDITURES 1-1-22 to 12-31-22	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 12-31-22
Richland	City Park Improvement-Abercrombie	04-29-21	\$ 34,682.00					\$ 34,682.00
Richland	Campground-Hankinson Park Board	04-29-21	\$ 29,984.00					\$ 29,984.00
Richland	Chaninkapa Park Multipurpose Shelter	03-30-22		\$ 42,000.00				\$ 42,000.00
Richland	Manatador Park Softball Dugouts	03-30-22		\$ 2,000.00				\$ 2,000.00
Richland	Wyndmere Park Board	03-30-22		\$ 10,728.00				\$ 10,728.00
Sargent	Silver Lake Bath House	05-06-20	\$ 6,377.00					\$ 6,377.00
Sargent	North View Playground Milnor	03-30-22		\$ 14,210.00				\$ 14,210.00
Sargent	Gwinner Aquatic Center	09-28-22		\$ 75,000.00				\$ 75,000.00
Sheridan	Hoffer Lake Beach & Swimming Develop.	09-23-21	\$ 4,093.00					\$ 4,093.00
Steele	City Park Development-Colgate	04-29-21	\$ 6,250.00					\$ 6,250.00
Stutsman	Medina Park Frisbee Golf	09-26-19	\$ 2,250.00			\$ 1,453.55	\$ (796.45)	\$ -
Stutsman	Medina Park RV Electrical Hookups	09-26-19	\$ 2,000.00			\$ 1,684.86	\$ (315.14)	\$ -
Stutsman	Park Bench Project-Stutsman County	04-29-21	\$ 3,113.00					\$ 3,113.00
Stutsman	Electrical Upgrades for Campers	09-23-21	\$ 1,750.00					\$ 1,750.00
Stutsman	Woodworth Main Street	03-30-22		\$ 1,500.00		\$ 1,242.79	\$ (257.21)	\$ -
Stutsman	Field Renovation Phase I	09-28-22		\$ 75,000.00				\$ 75,000.00
Stutsman	Jamestown Reservoir Vault Toilet	09-28-22		\$ 6,204.00				\$ 6,204.00
Trail	Riverwalk Park & Trail System	05-06-20	\$ 89,973.00					\$ 89,973.00
Trail	Willowood Campground Bathroom	05-06-20	\$ 43,750.00			\$ 43,553.00	\$ (197.00)	\$ -
Trail	Galesburg Playground	03-30-22		\$ 22,595.00		\$ 21,880.00		\$ 715.00
Trail	Mayville Park Board	03-30-22		\$ 7,985.00		\$ 7,985.00		\$ -
Trail	Hillsboro Park District	03-30-22		\$ 31,500.00				\$ 31,500.00
Ward	West Park-State Fair	05-06-20	\$ 26,450.00		\$ 21,861.60			\$ 4,588.40
Ward	Rice Lake Pavilion	05-06-20	\$ 26,950.00					\$ 26,950.00
Ward	ND State Fair Camping Extension	03-30-22		\$ 27,500.00		\$ 27,500.00		\$ -
Ward	Ward County Parks 2022	03-30-22		\$ 10,632.00				\$ 10,632.00
Ward	11th & 11th Park Playground	09-28-22		\$ 21,875.00				\$ 21,875.00
Ward	Swimming Pool & Bathhouse	09-28-22		\$ 75,000.00				\$ 75,000.00
Wells	Centennial Nature Park West Pathway	05-02-19	\$ 5,503.00			\$ 5,503.00		\$ -
Williams	Confluence Beautification	05-06-20	\$ 3,675.00					\$ 3,675.00
Williams	Little Egypt Phase 2	04-29-21	\$ 14,650.00			\$ 14,616.84	\$ (33.16)	\$ (0.00)
Williams	McGregor Dam Vault Toilet	04-29-21	\$ 17,500.00					\$ 17,500.00
Williams	Confluence Ramp	04-29-21	\$ 4,750.00					\$ 4,750.00
Williams	Coyote Clay Target League Range	03-30-22		\$ 55,872.00				\$ 55,872.00
Williams	Wildrose Community Garden	03-30-22		\$ 1,000.00				\$ 1,000.00
Williams	BlackTail Beach Trail	09-28-22		\$ 22,500.00				\$ 22,500.00
Williams	Tioga Dam Trail & Park	09-28-22		\$ 24,000.00				\$ 24,000.00
TOTALS			\$1,136,910.00	\$1,284,607.00	\$88,892.15	\$541,988.34	(\$16,100.08)	\$ 1,774,536.43

GARRISON DIVERSION CONSERVANCY DISTRICT WATER ASSISTANCE GRANT PROGRAM OUTSTANDING PROJECTS June 1, 2021 to December 31, 2022								
COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2022	EXPENDITURES 1-1-22 to 12-31-22	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 12-31-22
Benson	CPWD	Johnson, Keith & Jean	08-15-22		\$ 10,000.00	\$ 10,000.00		\$ -
Bottineau	USWD	Sponsel, Orvil & Shannon	05-18-22		\$ 3,989.00	\$ 3,989.00		\$ -
Bureigh	SCRWD	Bloom, Jenny	04-07-22		\$ 7,474.00	\$ 7,474.00		\$ -
Bureigh	SCRWD	Leier, Tavi	08-15-22		\$ 1,351.00			\$ 1,351.00
Eddy	CPWD	Rue, Dylan	06-01-21	\$ 3,800.00		\$ 3,800.00		\$ -
Foster	GRWD	Theis, Riley	04-07-22		\$ 10,000.00	\$ 10,000.00		\$ -
LaMoure	SRWD	Azzone, Tyler	05-18-22		\$ 4,450.00	\$ 4,450.00		\$ -
LaMoure	SRWD	Bolme Tyler	05-18-22		\$ 5,830.00	\$ 5,830.00		\$ -
McKenzie	MCWRD	Heiser, Lynn	08-15-22		\$ 6,188.00			\$ 6,188.00
McLean	MSRWD	Wannemacher, Melodie	10-06-22		\$ 5,259.00	\$ 5,259.00		\$ -
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00				\$ 10,000.00
Ramsey	GRWD	Myklebust, Lee	08-26-21	\$ 10,000.00		\$ 10,000.00		\$ -
Ramsey	GRWD	Wakefield, Bill	04-07-22		\$ 10,000.00		\$ 10,000.00	\$ -
Ramsey	GRWD	Klemetsrud, Scott	05-18-22		\$ 1,650.00			\$ 1,650.00
Ramsey	GRWD	Samuelson Welding	05-18-22		\$ 1,550.00	\$ 1,550.00		\$ -
Ramsey	GRWD	Beattie, Larry & Karen	08-15-22		\$ 4,250.00	\$ 4,250.00		\$ -
Ramsey	GRWD	Lacina, Tane	08-15-22		\$ 5,550.00	\$ 4,125.00		\$ 1,425.00
Renville	USWD	Frame, Jane	05-18-22		\$ 6,550.00			\$ 6,550.00
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00				\$ 10,000.00
Richland	SEWUD	Wolters, Andy	08-15-22		\$ 8,475.00			\$ 8,475.00
Stutsman	SRWD	Agri Partners ND, LLC	06-01-21	\$ 10,000.00		\$ 10,000.00		\$ -
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00				\$ 9,000.00
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00				\$ 9,000.00
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00				\$ 1,500.00
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00				\$ 10,000.00
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00				\$ 10,000.00
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00				\$ 4,500.00
Stutsman	SRWD	Martin, Renae	05-18-22		\$ 350.00	\$ 235.00	\$ 115.00	\$ -
Stutsman	SRWD	Gielser Ryan & Megan	05-18-22		\$ 2,280.00	\$ 2,064.81	\$ 215.19	\$ -
Stutsman	SRWD	Gillespie, Cheryl	05-18-22		\$ 2,280.00	\$ 2,280.00		\$ -
Stutsman	SRWD	Kolbo, Larry & Margo	05-18-22		\$ 2,280.00	\$ 2,064.81	\$ 215.19	\$ -
Stutsman	SRWD	Schauer, Breann & Mathew	05-18-22		\$ 750.00	\$ 750.00		\$ -
Stutsman	SRWD	Park Board East Boat Wash	05-18-22		\$ 4,400.00		\$ 4,400.00	\$ -
Stutsman	SRWD	Park Board West Boat Wash	05-18-22		\$ 800.00		\$ 800.00	\$ -
Stutsman	SRWD	The Meadows RV Park	05-18-22		\$ 1,250.00	\$ 1,250.00		\$ -
Stutsman	SRWD	VanRay, Troy	05-18-22		\$ 7,000.00	\$ 7,000.00		\$ -
Stutsman	SRWD	Wahl, John	05-18-22		\$ 1,630.00			\$ 1,630.00
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22		\$ 2,197.00			\$ 2,197.00
Ward	NPRWD	Keller, Dean	08-15-22		\$ 1,182.00			\$ 1,182.00
Ward	NPRWD	Wing, Michael & Crystal	08-15-22		\$ 2,469.00			\$ 2,469.00
Wells	CPWD	Schmeiss, Tim	08-15-22		\$ 2,242.00	\$ 2,242.00		\$ -
Wells	CPWD	Schmaltz, Jeremy	10-06-22		\$ 10,000.00			\$ 10,000.00
TOTALS				\$ 87,800.00	\$ 133,676.00	\$ 98,613.62	\$ 15,745.38	\$ 107,117.00

**GARRISON DIVERSION CONSERVANCY DISTRICT
BUDGET OF REVENUES AND EXPENDITURES Rv3
January 1, 2022 to December 31, 2022**

	General Fund	Operations & Maintenance Fund	Municipal, Rural, and Industrial Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
REVENUES:						
Irrigation Admin	\$ 950					\$ 950
Project Income						\$ -
Lease Income						\$ -
Miscellaneous Income	\$ 1,050					\$ 1,050
Interest Income	\$ 34,000		\$ 25		\$ 145	\$ 34,170
Tax Levy/State Aid	\$ 3,790,000					\$ 3,790,000
O&M Non-project Income		\$ 146,000				\$ 146,000
Contract Revenue	\$ 44,000	\$ 6,811,171	\$ 27,198,810	\$ 27,440,000	\$ 939,655	\$ 62,433,636
Total Revenues	\$ 3,870,000	\$ 6,957,171	\$ 27,198,835	\$ 27,440,000	\$ 939,800	\$ 66,405,806
EXPENDITURES:						
Directors Expense	\$ 270,000					\$ 270,000
Employee Expenses	\$ 1,341,000	\$ 2,332,366	\$ 73,000			\$ 3,746,366
Administrative Expenses	\$ 218,500	\$ 109,000	\$ 103,835			\$ 431,335
Public Education	\$ 151,840					\$ 151,840
Professional Services	\$ 839,000	\$ 2,066,225		\$ 520,000		\$ 3,425,225
Irrigation Development	\$ 911,200					\$ 911,200
Recreation Matching	\$ 610,000					\$ 610,000
Water Assistance Grant	\$ 300,000					\$ 300,000
Irrigation Districts Expenses	\$ 2,000					\$ 2,000
Maintenance & Repairs	\$ 86,000	\$ 1,092,240			\$ 432,800	\$ 1,611,040
Capital Purchases	\$ 381,000	\$ 385,000		\$ 28,040,000	\$ 290,000	\$ 29,096,000
MR&I Project Expenditures			\$ 27,000,000			\$ 27,000,000
Debt Service Payments				\$ 308,201	\$ 171,630	\$ 479,831
Interest on Debt Service				\$ 23,290	\$ 45,370	\$ 68,660
Total Expenditures	\$ 5,110,540	\$ 5,984,831	\$ 27,176,835	\$ 28,891,491	\$ 939,800	\$ 68,103,497
Revenues Over (Under) Expenditures*	\$ (1,240,540)	\$ 972,340	\$ 22,000	\$ (1,451,491)	\$ -	\$ (1,697,691)
Transfers In (Out)	\$ (457,151)	\$ (972,340)	\$ (22,000)	\$ 1,451,491	\$ -	\$ -
Net Change in Fund Balance	\$ (1,697,691)	\$ 0	\$ -	\$ -	\$ -	\$ (1,697,691)

**GARRISON DIVERSION CONSERVANCY DISTRICT
BUDGET OF REVENUES AND EXPENDITURES Rv2
January 1, 2022 to December 31, 2022**

	2022 Budget	Revision	Revised 2021 Buget
REVENUES:			
Irrigation Admin	\$ 950		\$ 950
Project Income	\$ -		\$ -
Lease Income	\$ -		\$ -
Miscellaneous Income	\$ 1,050		\$ 1,050
Interest Income	\$ 34,170		\$ 34,170
Tax Levy	\$ 3,560,000		\$ 3,560,000
State Aid Distribution	\$ 230,000		\$ 230,000
O&M Non-project Income	\$ 146,000		\$ 146,000
Contract Revenue-General Fund	\$ 44,000		\$ 44,000
Contract Revenue-O&M	\$ 6,811,171		\$ 6,811,171
Contract Revenue-MR&I	\$ 27,198,810		\$ 27,198,810
Contract Revenue-RRVWSP	\$ 25,400,000	\$ 2,040,000	\$ 27,440,000
Contract Revenue-Irrigation	\$ 939,655		\$ 939,655
Total Revenues	\$ 64,365,806	\$ 2,040,000	\$ 66,405,806

GARRISON DIVERSION CONSERVANCY DISTRICT
2022 BUDGET EXPENDITURES Rv2
January 1, 2022 to December 31, 2022

	Budget 2022	Revision	Revised Budget 2022
<u>Directors Expense</u>			
Directors Per Diem	\$130,000		\$130,000
Directors Exp	\$140,000		\$140,000
Total Directors Expense	\$270,000	\$0	\$270,000
<u>Employee Expense</u>			
Employee Salaries	\$822,000		\$822,000
General Managers Expense	\$35,000		\$35,000
Travel	\$61,000	\$0	\$61,000
Administrative Officer	\$25,000		\$25,000
District Engineer	\$10,000		\$10,000
Engineer	\$5,000		\$5,000
Communications Director	\$6,000		\$6,000
Emp Exp Other	\$15,000		\$15,000
Professional Development	\$17,000	\$0	\$17,000
Employee Training	\$15,000		\$15,000
Wellness Program	\$2,000		\$2,000
Benefits	\$406,000	\$0	\$406,000
GDCD FICA	\$72,000		\$72,000
Retirement	\$117,000		\$117,000
Hospital & Life Insurance	\$177,000		\$177,000
Unemployment Comp	\$1,000		\$1,000
Vision / Dental	\$14,000		\$14,000
Workforce Safety Insurance	\$1,000		\$1,000
Long Term Disability Ins	\$9,000		\$9,000
Vacation/Sick Leave Liability	\$15,000		\$15,000
Total Employee Expense	\$1,341,000	\$0	\$1,341,000
<u>Administration</u>			
Postage	\$7,000		\$7,000
Communications	\$31,000		\$31,000
Utilities	\$34,000		\$34,000
Meetings & Events	\$10,000		\$10,000
Subscriptions	\$6,000		\$6,000
Miscellaneous	\$6,000		\$6,000
Data Processing	\$23,000		\$23,000
Employee Recruiting	\$5,000		\$5,000
Supplies	\$18,000		\$18,000
Small Office Equipment	\$14,200		\$14,200
Dues	\$15,000		\$15,000
Insurance	\$15,800		\$15,800
Annual Independent Audit	\$33,500		\$33,500
Total Administration	\$218,500	\$0	\$218,500
<u>Public Education</u>			
GDCD Tours	\$10,000		\$10,000
ND Water Users	\$20,000		\$20,000
ND Water Coalition	\$14,000		\$14,000
ND Water Magazine	\$18,000		\$18,000
Missouri River Joint Board	\$71,090		\$71,090
Conferences/Sponsorships	\$9,750		\$9,750
Miscellaneous	\$9,000		\$9,000
Total Public Education	\$151,840	-	\$151,840

GARRISON DIVERSION CONSERVANCY DISTRICT
2022 BUDGET EXPENDITURES Rv2
January 1, 2022 to December 31, 2022

	Budget 2022	Revision	Revised Budget 2022
Professional Services			
Communications	\$160,000		\$160,000
Engineering	\$125,000		\$125,000
RRVWSP Development	\$309,000	\$0	\$309,000
Technical Support for LAWA	\$0		\$0
Engineering	\$100,000		\$100,000
Legal	\$133,000		\$133,000
Financial	\$10,000		\$10,000
Consultants	\$50,000		\$50,000
Meeting, Misc. Exp	\$16,000		\$16,000
Prof Services Other	\$30,000		\$30,000
Legal Services	\$215,000		\$215,000
Total Professional Services	\$839,000	-	\$839,000
Irrigation Development			
ND Irrigation Association	\$50,000		\$50,000
NDSU Oakes Irrigation Site	\$202,575		\$202,575
Bob Titus Lease	\$16,625		\$16,625
Irrigation Development	\$642,000		\$642,000
Total Irrigation Development	\$911,200	\$0	\$911,200
Recreation			
Recreation Matching	\$600,000		\$600,000
DWRA Recreation Program	\$10,000		\$10,000
Total Recreation	\$610,000	\$0	\$610,000
Water Assistance			
Water Assistance Grant	\$300,000		\$300,000
Irrigation District Expense			
Irrigation District Expenses	\$2,000		\$2,000
OTA Title Transfer	\$0	\$0	\$0
Technical Support	\$0		\$0
Legal	\$0		\$0
Total Irrigation District Expense	\$2,000	\$0	\$2,000
Maintenance & Repair			
Equipment Maintenance	\$30,000	\$1,000	\$31,000
Small Yard Equipment Purchases	\$0		\$0
Land & Bldg Maintenance	\$41,000	(\$1,000)	\$40,000
Auto Expense	\$15,000		\$15,000
Total Maintenance & Repair	\$86,000	\$0	\$86,000
Capital Purchases			
Office Equip & Furniture	\$181,000		\$181,000
Yard Equipment	\$30,000		\$30,000
Vehicle	\$60,000		\$60,000
Land & Buildings	\$110,000		\$110,000
Total Capital Purchases	\$381,000	\$0	\$381,000
General Fund Subtotal	\$5,110,540	\$0	\$5,110,540

GARRISON DIVERSION CONSERVANCY DISTRICT
2022 BUDGET EXPENDITURES Rv2
January 1, 2022 to December 31, 2022

	Budget 2022	Revision	Revised Budget 2022
Irrigation Fund			
McClusky Canal Irrigation	\$722,800	\$0	\$722,800
Construction	\$290,000		\$290,000
Operations	\$432,800		\$432,800
Debt Payments	\$217,000	\$0	\$217,000
Principal	\$172,000	(\$370)	\$171,630
Interest	\$45,000	\$370	\$45,370
Total Irrigation Fund	\$939,800	\$0	\$939,800
GDU O & M			
Salaries & Benefits	\$2,247,266	\$0	\$2,247,266
Salaries	\$1,446,050		\$1,446,050
Benefits	\$801,217		\$801,217
Travel	\$17,115		\$17,115
Training	\$9,000		\$9,000
Utilities	\$87,000		\$87,000
Contracted Services (Eng / Survey)	\$2,066,225		\$2,066,225
Supplies	\$624,000		\$624,000
Equipment Purchases	\$385,000		\$385,000
Small Equipment Purchases	\$0		\$0
Equipment Rental	\$0		\$0
Equipment Maintenance	\$236,240		\$236,240
Safety	\$58,985		\$58,985
Miscellaneous	\$22,000		\$22,000
Materials	\$232,000		\$232,000
Total GDU O & M	\$5,984,831	\$0	\$5,984,831
MR&I Fund			
Salaries & Benefits	\$73,000		\$73,000
State Administration	\$103,835		\$103,835
MR&I Project Expenditures	\$27,000,000		\$27,000,000
Total MR&I Fund	\$27,176,835	\$0	\$27,176,835
RRV Water Supply Project			
ROW	\$200,000	(110,000)	\$90,000
Construction	\$25,845,000	\$2,105,000	\$27,950,000
Professional Services	\$475,000	\$45,000	\$520,000
Financing/Legal/Administration	\$460,000	\$45,000	\$505,000
Other Engineering	\$15,000		\$15,000
Debt Payments	\$331,491	\$0	\$331,491
Principal	\$308,201		\$308,201
Interest	\$23,290		\$23,290
Total RRVWSP	\$26,851,491	\$2,040,000	\$28,891,491
TOTAL ALL FUNDS	\$66,063,497	\$2,040,000	\$68,103,497

GARRISON DIVERSION CONSERVANCY DISTRICT
MR&I Project Construction Report
December 31, 2022

Project	Current Funding			2022			Federal	
	Prior			MR&I Fund			Total	MR&I Funding
	MR&I Funding	MR&I Fund Expenditures	MR&I Fund Expenditures	MR&I Fund Expenditures	MR&I Fund Expenditures	Expenditures	Expenditures	Remaining
McLean-Sheridan BB Expansion*	\$ 735,000.00	\$ 724,007.31	\$ 724,007.31	\$ 71,044.33	\$ 724,007.31	\$ 724,007.31	\$ 10,992.69	
South Central RWD-Logan Booster Station	\$ 495,000.00	\$ 423,955.67	\$ 423,955.67	\$ 71,044.33	\$ 495,000.00	\$ 495,000.00	\$ -	
Glenburn Water Storage*	\$ 1,137,750.00	\$ 1,106,184.73	\$ 1,106,184.73	\$ -	\$ 1,106,184.73	\$ 1,106,184.73	\$ 31,565.27	
ENDAWS	\$ 2,370,000.00	\$ -	\$ -	\$ 240,772.30	\$ 240,772.30	\$ 240,772.30	\$ 2,129,227.70	
NAWS-Biota Treatment Plant	\$ 52,179,851.15	\$ 12,827,056.53	\$ 12,827,056.53	\$ 22,923,397.19	\$ 35,750,453.72	\$ 35,750,453.72	\$ 16,429,397.43	
Biota WTP Ultra Violet Reactor	\$ 707,125.00	\$ 70,712.00	\$ 70,712.00	\$ 291,947.00	\$ 362,659.00	\$ 362,659.00	\$ 344,466.00	
Biota WTP Dissolved Air Flotation Equip	\$ 1,843,870.00	\$ 80,500.00	\$ 80,500.00	\$ -	\$ 80,500.00	\$ 80,500.00	\$ 1,763,370.00	
NAWS-Westhope All Seasons III	\$ 4,186,000.00	\$ 3,415,729.46	\$ 3,415,729.46	\$ -	\$ 3,415,729.46	\$ 3,415,729.46	\$ 770,270.54	
NAWS-Glenburn to Renville	\$ 3,058,343.00	\$ 2,689,518.18	\$ 2,689,518.18	\$ -	\$ 2,689,518.18	\$ 2,689,518.18	\$ 368,824.82	
NAWS-Westhope to Souris River	\$ 3,514,026.00	\$ 3,198,560.91	\$ 3,198,560.91	\$ 11,569.56	\$ 3,210,130.47	\$ 3,210,130.47	\$ 303,895.53	
NAWS-Souris Corner to Bottineau	\$ 3,000,000.00	\$ 2,149,126.97	\$ 2,149,126.97	\$ 794,242.49	\$ 2,943,369.46	\$ 2,943,369.46	\$ 56,630.54	
New England Water Tower *	\$ 1,493,863.30	\$ 1,468,213.68	\$ 1,468,213.68	\$ -	\$ 1,468,213.68	\$ 1,468,213.68	\$ 25,649.62	
Northeast Regional Water	\$ 9,355,000.00	\$ 8,395,369.10	\$ 8,395,369.10	\$ 959,630.90	\$ 9,355,000.00	\$ 9,355,000.00	\$ (0.00)	
Totals	\$ 84,075,828.45	\$ 52,243,520.54	\$ 52,243,520.54	\$ 25,292,603.77	\$ 61,841,538.31	\$ 61,841,538.31	\$ 22,234,290.14	

\$68,207.58 to be re-allocated for projects completed in 2021 with remaining funding. *

MUNICIPAL, RURAL AND INDUSTRIAL WATER SUPPLY PROGRAM

November 16, 2022

Mr. Alan Walter, Chairman
Garrison Diversion Conservancy District
PO Box 140
Carrington, ND 58421-0140

RE: Federal MR&I Program – Northwest Area Water Supply – FY2022

Dear Alan:

This request is to allocate \$51,563,682 of the \$53,963,682 in FY 2022 federal Municipal, Rural, and Industrial Water Supply (MR&I) Program funding to the Northwest Area Water Supply (NAWS) Project. The remaining appropriation of \$2.4 million would be \$0.68 million for state MR&I program administration and \$1.72 million for continuing work on the Eastern North Dakota Alternative Water Supply Project. A State Municipal, Rural, and Industrial Water Supply Program FY 2022 Federal Funding Summary is attached.

The Biota Water Treatment Facility was determined to be 100 percent federal funding responsibility. The FY 2022 funds of \$18 million are sufficient to cover the remaining federal balance for construction of the Biota Water Treatment Facility Phase I (Contract 7-2A/4-1A) near the City of Max with estimated completion in June 2024. There is another \$4.2 million for design of the Biota Water Treatment Facility Phase II (Contract 7-2B) and \$29.2 million towards construction.

\$60,156,377

Also requested is the consolidation of NAWS funding of ~~\$55,463,087~~ to include the FY 2022 funding and the previous NAWS approvals to allow adjustments for timely completion of contracts, and reallocation of \$68,207.28 from other completed MR&I projects to state administration.

This request was presented to the State Water Commission at their November 10, 2022, pre-commission meeting, with consideration for final approval at their December 9, 2022, meeting.

\$60,156,377

I recommend the Garrison Diversion Conservancy District approve the Northwest Area Water Supply Project for federal funding of ~~\$55,463,087~~. I also recommend reallocation of \$68,207.28 from other completed MR&I projects to state administration. This approval is contingent on available funding, that the project follows Federal MR&I program requirements, and delegates to the Secretary the ability to move funds between project elements to facilitate efficient project completion.

Sincerely,



Andrea Travnicek, Ph.D.
Secretary

AT:JM:/0237-03 / 0237-04



Water Commission | 900 East Boulevard Ave | Bismarck, ND 58505 | 701.328.4989 | DWR.nd.gov

Garrison Diversion Conservancy District | PO Box 140 | Carrington, ND 58421 | 701.652.3194 | garrisondiversion.org

mri@gdcd.org

**State Municipal, Rural, and Industrial Water Supply Program
Federal Funding Summary
November 03, 2022**

Project	Federal	Expended	Balance	Adjustment	NAWS
Fiscal Year 2022 MR&I Balance				\$53,963,682.15	
NAWS - Biota Water Treatment Plant Ph I Contract 7-2A/4-1A	\$34,161,169.00	\$29,467,878.99	\$4,693,290.01	(\$18,018,682.15)	\$22,711,972.16
NAWS – Biota WTP Ultraviolet Reactor Contract	\$707,125.00	\$70,712.00	\$636,413.00		\$636,413.00
NAWS – Biota WTP Dissolved Air Flotation Contract	\$1,843,870.00	\$80,500.00	\$1,763,370.00		\$1,763,370.00
NAWS – Glenburn to Renville Contract 2-3C (Completed)	\$3,058,343.00	\$2,689,518.18	\$368,824.82		\$368,824.82
NAWS – Westhope All Seasons III Contract 2-4A (Completed)	\$4,186,000.00	\$3,415,729.46	\$770,270.54		\$770,270.54
NAWS – Westhope to Souris Corner Contract 2-4B (Completed)	\$3,514,026.00	\$3,210,130.47	\$303,895.53		\$303,895.53
NAWS – Souris Corner to Bottineau Contract 2-4C (Completed)	\$3,000,000.00	\$2,943,369.46	\$56,630.54		\$56,630.54
NAWS - Biota Water Treatment Plant Ph II Contract 7-2B/4-1B	\$49,200,000.00	\$0.00	\$49,200,000.00	(\$33,545,000.00)	\$33,545,000.00
NAWS - Biota Water Treatment Plant Ph III Contract 7-2C/4-1C	\$21,500,000.00	\$0.00	\$21,500,000.00		
Eastern North Dakota Alternative Water Supply	\$1,720,000.00			(\$1,720,000.00)	
MR&I Administration	\$680,000.00			(\$680,000.00)	
	\$121,170,533.00	\$41,877,838.56	\$79,292,694.44	(\$53,963,682.15)	\$60,156,376.59
Completed Projects					
McLean-Sheridan Brush/Blue Lake Exp	\$735,000.00	\$724,007.31	\$10,992.69	(\$10,992.69)	
Glenburn Water Storage	\$1,137,750.00	\$1,106,184.73	\$31,565.27	(\$31,565.27)	
New England Water Tower	\$1,493,863.00	\$1,468,213.68	\$25,649.32	(\$25,649.32)	
Northeast Regional Water	\$9,355,000.00	\$9,045,784.82	\$309,215.18	\$0.00	
Total	\$12,721,613.00	\$12,344,190.54	\$377,422.46	(\$68,207.28)	Allocate to MR&I Admin
MR&I Ceiling Authorization Balance after FY22				\$22,036,318	

MUNICIPAL, RURAL AND INDUSTRIAL WATER SUPPLY PROGRAM

November 16, 2022

Mr. Alan Walter, Chairman
Garrison Diversion Conservancy District
PO Box 140
Carrington, ND 58421-0140

RE: Federal MR&I Water Supply Program Five-Year Plan FY2022-2026 Update

Dear Alan:

The attached Garrison Diversion Unit State Municipal, Rural, and Industrial Water Supply (MR&I) Program Five-Year Plan for fiscal years 2022 to 2026 is used to address updated FY22 funding, project funding, variations in federal appropriations, and is submitted to the Bureau of Reclamation for their use in estimating the State's capacity to expend funding. Please note, at the request of the Bureau of Reclamation, the project cost schedules have been accelerated to four years within the five-year plan.

The Northwest Area Water Supply (NAWS) Project is projected to receive most of the MR&I Program funding in the Five-Year Plan, involving the Biota Water Treatment Plant Phase I and Biota Water Treatment Plant Phase II. (see attached map). The Department of Water Resources and Water Commission members will continue to work with the Garrison Diversion Conservancy District regarding MR&I Program allocations from the federal government to address funding for the Eastern North Dakota Alternative Water Supply Project, as outlined in the Five-Year Plan.

The attached plan has a projected total cost of \$198.4 million with estimates for each year of the plan. The federal obligation would be \$151.2 million, based on 100 percent federal funding on the Biota Water Treatment Plant, 75 percent federal on the Eastern North Dakota Alternative Water Supply Project, and 65 percent federal on the other listed NAWS projects.

The Bureau reviewed MR&I funding through FY2021 and determined the MR&I federal authorization balance is \$76 million. This leaves a future federal obligation of \$75.2 million over the Five-Year Plan. Federal funds are indexed each year to allow for ordinary fluctuations of construction costs incurred after the date of enactment of the Dakota Water Resources Act of 2000. The actual federal funding is dependent on annual Congressional appropriations.

This request was presented to the State Water Commission at their November 10, 2022 pre-commission meeting, with consideration for final review at their December 9, 2022, meeting.

Sincerely,



Andrea Travnicek, Ph.D.
Secretary

AT:JM:237-03 / 237-04NAWS / 1912
Attachment

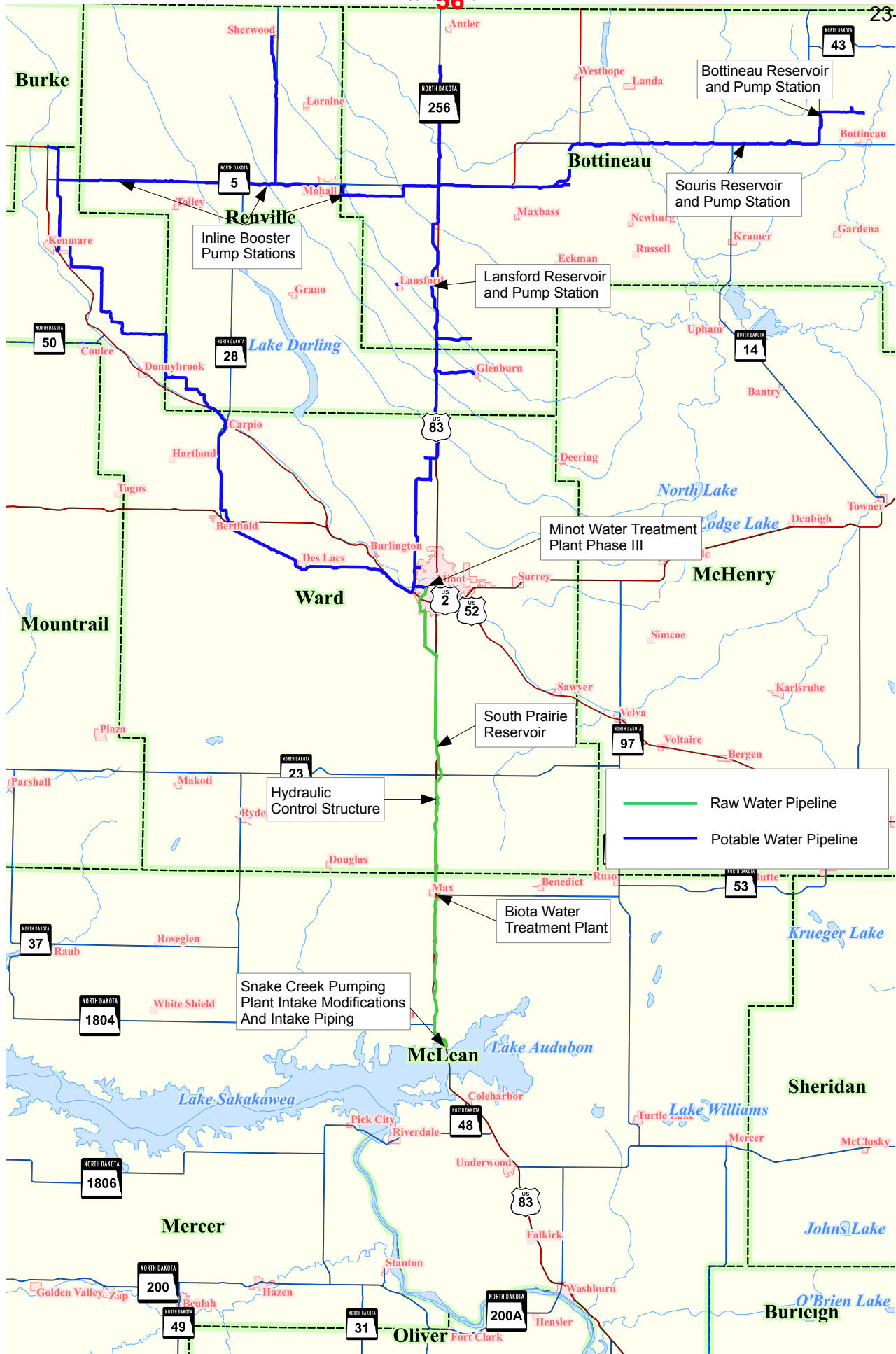


DRAFT
Garrison Diversion Unit
State Municipal, Rural, and Industrial Water Supply Program
Five Year Plan FY2022 - FY2026
 Cooperative Agreement No. R17AC00049

Project	Total Costs			FY 2022			FY 2023			FY 2024		
	Non Federal Share*	Federal Share	Project Total	Non Federal Share*	Federal Share	Project Total	Non Federal Share*	Federal Share	Project Total	Non Federal Share*	Federal Share	Project Total
NAWS Biota WTP and Pump Station Phase I Construction (7-2A/4-1A)	0	18,018,682	18,018,682	0	18,018,682	18,018,682	0	0	0	0	0	0
NAWS Minot WTP Phase III Design (7-1C)	2,153,850	0	2,153,850	2,153,850	0	2,153,850	0	0	0	0	0	0
NAWS Minot WTP Phase III Construction (7-1C)	23,230,770	0	23,230,770	0	0	0	23,230,770	0	23,230,770	0	0	0
NAWS Bottineau Reservoir and Pump Station Construction (5-4A)	2,808,400	5,215,600	8,024,000	0	0	0	0	0	0	2,808,400	5,215,600	8,024,000
NAWS Souris Reservoir and Pump Station Construction (5-4B)	1,974,540	3,667,000	5,641,540	0	0	0	0	0	0	1,974,540	3,667,000	5,641,540
NAWS Biota WTP and Pump Station Phase II Design (7-2B/4-2B)	0	4,200,000	4,200,000	0	4,200,000	4,200,000	0	0	0	0	0	0
NAWS Biota WTP and Pump Station Phase II Construction (7-2B/4-2B)	0	45,000,000	45,000,000	0	29,345,000	29,345,000	0	15,655,000	15,655,000	0	0	0
NAWS Inline Booster Pump Stations Design (4-2D)	84,000	156,000	240,000	0	0	0	0	0	0	0	0	0
NAWS Inline Booster Pump Stations Construction (4-2D)	626,500	1,163,500	1,790,000	0	0	0	0	0	0	0	0	0
Eastern North Dakota Alternate Water Supply (ENDAWS)	16,250,003	48,749,998	65,000,000	573,333	1,720,000	2,293,333	500,000	1,500,000	2,000,000	6,605,790	19,817,360	26,423,150
NAWS Biota WTP and Pump Station Phase III Design (7-2C/4-1C)	0	2,100,000	2,100,000	0	0	0	0	0	0	0	0	0
NAWS Biota WTP and Pump Station Phase III Construction (7-2C/4-1C)	0	19,400,000	19,400,000	0	0	0	0	0	0	0	0	0
SWPP Supplemental Raw Water Intake Construction (1-2A)	TBD	TBD	TBD	0	0	0	0	0	0	0	0	0
Administration (BOR / GDCD / DWR)	117,093	3,536,643	3,653,736	22,500	680,000	702,500	22,950	693,090	716,040	23,411	706,950	730,361
Total	\$47,245,155	\$151,207,423	\$198,452,578	\$2,749,683	\$53,963,682	\$56,713,365	\$23,753,720	\$17,948,090	\$41,601,810	\$11,412,141	\$29,406,910	\$40,819,051

Project	FY 2025			FY 2026			Grant %
	Non Federal Share*	Federal Share	Project Total	Non Federal Share*	Federal Share	Project Total	
NAWS Biota WTP and Pump Station Phase I Construction (7-2A/4-1A)	0	0	0	0	0	0	100%
NAWS Minot WTP Phase III Design (7-1C)	0	0	0	0	0	0	65%
NAWS Minot WTP Phase III Construction (7-1C)	0	0	0	0	0	0	65%
NAWS Bottineau Reservoir and Pump Station Construction (5-4A)	0	0	0	0	0	0	65%
NAWS Souris Reservoir and Pump Station Construction (5-4B)	0	0	0	0	0	0	65%
NAWS Biota WTP and Pump Station Phase II Design (7-2B/4-2B)	0	0	0	0	0	0	100%
NAWS Biota WTP and Pump Station Phase II Construction (7-2B/4-2B)	0	0	0	0	0	0	100%
NAWS Inline Booster Pump Stations Design (4-2D)	84,000	156,000	240,000	0	0	0	65%
NAWS Inline Booster Pump Stations Construction (4-2D)	626,500	1,163,500	1,790,000	0	0	0	65%
Eastern North Dakota Alternate Water Supply (ENDAWS)	8,570,879	25,712,638	34,283,517	0	0	0	75%
NAWS Biota WTP and Pump Station Phase III Design (7-2C/4-1C)	0	2,100,000	2,100,000	0	0	0	100%
NAWS Biota WTP and Pump Station Phase III Construction (7-2C/4-1C)	0	19,400,000	19,400,000	0	0	0	100%
SWPP Supplemental Raw Water Intake Construction (1-2A)	0	0	0	0	0	0	100%
Administration (BOR / GDCD / DWR)	23,877	721,091	744,968	24,355	735,513	759,867	100/100/75%
Total	\$9,305,256	\$49,253,228	\$58,558,485	\$24,355	\$735,513	\$759,867	

*The non-federal share may be Department of Water Resources, City of Minot, Garrison Diversion Conservancy District or line of credit. Costs associated with Biota Water Treatment Plant are anticipated to be reimbursed by the federal government.



GARRISON DIVERSION CONSERVANCY DISTRICT WATER ASSISTANCE GRANT PROGRAM OUTSTANDING PROJECTS June 1, 2021 to December 31, 2022								
COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2022	EXPENDITURES 1-1-22 to 12-31-22	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 12-31-22
Benson	CPWD	Johnson, Keith & Jean	08-15-22		\$ 10,000.00	\$ 10,000.00		\$ -
Bottineau	USWD	Sponsel, Orvil & Shannon	05-18-22		\$ 3,989.00	\$ 3,989.00		\$ -
Bureigh	SCRWD	Bloom, Jenny	04-07-22		\$ 7,474.00	\$ 7,474.00		\$ -
Bureigh	SCRWD	Leier, Tavi	08-15-22		\$ 1,351.00			\$ 1,351.00
Eddy	CPWD	Rue, Dylan	06-01-21	\$ 3,800.00		\$ 3,800.00		\$ -
Foster	GRWD	Theis, Riley	04-07-22		\$ 10,000.00	\$ 10,000.00		\$ -
LaMoure	SRWD	Azzone, Tyler	05-18-22		\$ 4,450.00	\$ 4,450.00		\$ -
LaMoure	SRWD	Bolme Tyler	05-18-22		\$ 5,830.00	\$ 5,830.00		\$ -
McKenzie	MCWRD	Heiser, Lynn	08-15-22		\$ 6,188.00			\$ 6,188.00
McLean	MSRWD	Wannemacher, Melodie	10-06-22		\$ 5,259.00	\$ 5,259.00		\$ -
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00				\$ 10,000.00
Ramsey	GRWD	Myklebust, Lee	08-26-21	\$ 10,000.00		\$ 10,000.00		\$ -
Ramsey	GRWD	Wakefield, Bill	04-07-22		\$ 10,000.00		\$ 10,000.00	\$ -
Ramsey	GRWD	Klemetsrud, Scott	05-18-22		\$ 1,650.00			\$ 1,650.00
Ramsey	GRWD	Samuelson Welding	05-18-22		\$ 1,550.00	\$ 1,550.00		\$ -
Ramsey	GRWD	Beattie, Larry & Karen	08-15-22		\$ 4,250.00	\$ 4,250.00		\$ -
Ramsey	GRWD	Lacina, Tane	08-15-22		\$ 5,550.00	\$ 4,125.00		\$ 1,425.00
Renville	USWD	Frame, Jane	05-18-22		\$ 6,550.00			\$ 6,550.00
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00				\$ 10,000.00
Richland	SEWUD	Wolters, Andy	08-15-22		\$ 8,475.00			\$ 8,475.00
Stutsman	SRWD	Agri Partners ND, LLC	06-01-21	\$ 10,000.00		\$ 10,000.00		\$ -
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00				\$ 9,000.00
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00				\$ 9,000.00
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00				\$ 1,500.00
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00				\$ 10,000.00
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00				\$ 10,000.00
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00				\$ 4,500.00
Stutsman	SRWD	Martin, Renae	05-18-22		\$ 350.00	\$ 235.00	\$ 115.00	\$ -
Stutsman	SRWD	Gielser Ryan & Megan	05-18-22		\$ 2,280.00	\$ 2,064.81	\$ 215.19	\$ -
Stutsman	SRWD	Gillespie, Cheryl	05-18-22		\$ 2,280.00	\$ 2,280.00		\$ -
Stutsman	SRWD	Kolbo, Larry & Margo	05-18-22		\$ 2,280.00	\$ 2,064.81	\$ 215.19	\$ -
Stutsman	SRWD	Schauer, Breann & Mathew	05-18-22		\$ 750.00	\$ 750.00		\$ -
Stutsman	SRWD	Park Board East Boat Wash	05-18-22		\$ 4,400.00		\$ 4,400.00	\$ -
Stutsman	SRWD	Park Board West Boat Wash	05-18-22		\$ 800.00		\$ 800.00	\$ -
Stutsman	SRWD	The Meadows RV Park	05-18-22		\$ 1,250.00	\$ 1,250.00		\$ -
Stutsman	SRWD	VanRay, Troy	05-18-22		\$ 7,000.00	\$ 7,000.00		\$ -
Stutsman	SRWD	Wahl, John	05-18-22		\$ 1,630.00			\$ 1,630.00
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22		\$ 2,197.00			\$ 2,197.00
Ward	NPRWD	Keller, Dean	08-15-22		\$ 1,182.00			\$ 1,182.00
Ward	NPRWD	Wing, Michael & Crystal	08-15-22		\$ 2,469.00			\$ 2,469.00
Wells	CPWD	Schmeiss, Tim	08-15-22		\$ 2,242.00	\$ 2,242.00		\$ -
Wells	CPWD	Schmaltz, Jeremy	10-06-22		\$ 10,000.00			\$ 10,000.00
TOTALS				\$ 87,800.00	\$ 133,676.00	\$ 98,613.62	\$ 15,745.38	\$ 107,117.00

RRVWSP Work Plan Update
December 7, 2022

CONSTRUCTION

Wet Well Construction Contract 1

Defective work has been transferred to Michels, Inc. under Contract 2. The project will be closed out when final quantities are agreed upon.

Pipeline Construction

Contract 5A

Final completion has been achieved, and close out papers are being generated. To date, \$7,697,689.95 has been paid on the current contract amount of \$8,393,396.44.

Reclaimed Property



Typical Air Release Manhole



Contract 5B

The original pipe delivery of June 15 was delayed due to a surface blemish in the steel coil. To date, 6,741 feet have been installed out of the nine miles. High groundwater has slowed the pipe installation progress.

To date, \$7,446,780.51 has been paid on the original contract amount of \$45,961,700.00. Change Order No. 1 has been approved for -\$1,410,437.41 for the current contract price of \$44,551,262.59.



Example of 150-Foot ROW

Discharge Structure Construction

Final payment has been made. Original contract amount was \$1,516,955 plus Change Order No. 1 for \$4,929 for a final contract price of \$1,521,884.

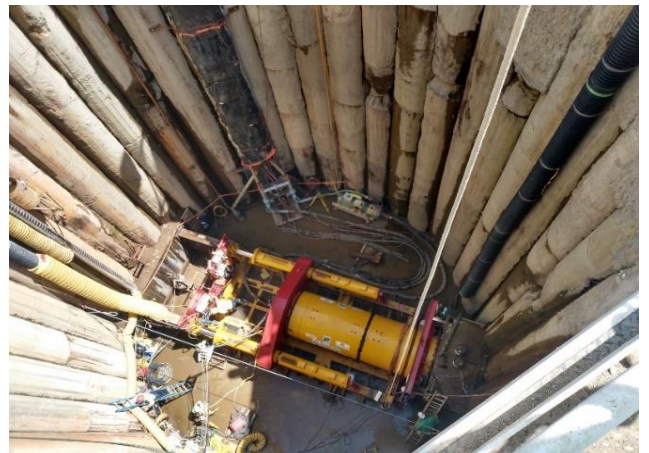
Missouri River Intake Tunnel and Screen Final Design Contract 2

As the apparent low bidder at \$18,896,900, Michels was issued notice of award on June 9, 2021. Michels is working on removing and restoring temporary construction items near the cofferdam site. Tunneling began on July 12, 2022, and holed through the cofferdam on August 6. Currently, the contractor is working on the final liner inside the wet well. To date, \$12,329,999.17 has been paid on the original contract amount of \$18,896,000.00. Three change orders have been approved for a current contract price \$19,287,359.25

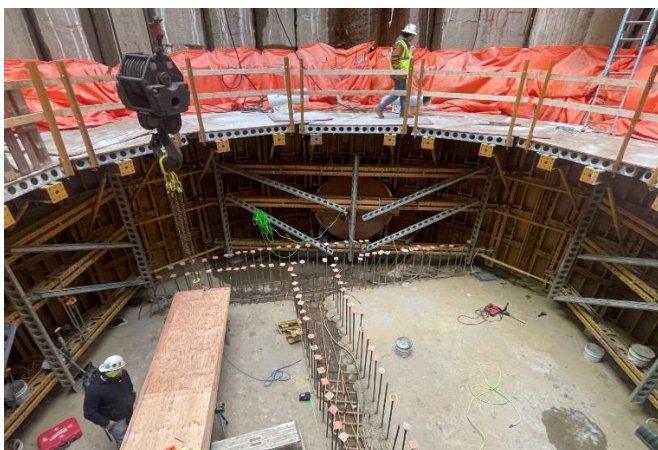
Site Overview



Launching the MTBM



Liner Work on Rebar & Concrete Forms



Winter Enclosure Structure



DESIGN

Pipeline segments 5C (8 miles), 5D (10 miles) are at 99% complete, and Contract 6 (25 miles) is at 60% complete.

The design team is also working with Reclamation and USFWS routing the pipeline through wetland and other various existing easements.

Red River Valley ~~Water~~ Supply Project
Planning Level Budget

Annex X
23-59

December 31, 2022	Percent Complete	Current Estimate	Actual Expenses	Outstanding Expenses
Conceptual Design Subtotal		\$ 5,302,130	\$ 5,302,130	\$ -
Preliminary Design Subtotal		\$ 10,217,606	\$ 10,217,606	\$ -
Final Design Completed Subtotal		\$ 10,198,949	\$ 10,198,949	\$ -
Financial, Administration, Legal, Completed		\$ 1,397,474	\$ 1,397,474	\$ -
Land Acquisition Completed		\$ 1,593,004	\$ 1,593,004	\$ -
Subtotal Completed		\$ 28,709,162	\$ 28,709,162	\$ -
Financial Modeling/Cost Allocation	90%	\$ 1,521,047	\$ 1,368,793	\$ 152,254
Program Management Information System	79%	\$ 113,100	\$ 88,867	\$ 24,233
Stakeholder Support	68%	\$ 398,830	\$ 270,373	\$ 128,457
Subtotal	85%	\$ 2,032,977	\$ 1,728,033	\$ 304,944
Engineering/Land Acquisitions				
Missouri River Intake - Screen Structure Design	97%	\$ 1,444,000	\$ 1,407,841	\$ 36,159
Operational Plan Phase 1	97%	\$ 106,000	\$ 102,893	\$ 3,107
Operational Plan Phase 2	36%	\$ 430,584	\$ 156,130	\$ 274,454
PMIS Procurement & Implementation	1%	\$ 498,000	\$ 5,310	\$ 492,690
Contractor Qualifications	1%	\$ 158,000	\$ 1,218	\$ 156,782
Land Acquisition 2019/2021	61%	\$ 650,000	\$ 394,468	\$ 255,532
2019 to 2021 Biennium Program Management Services	100%	\$ 166,191	\$ 166,191	\$ (0)
Project Planning, Finance, Admin, etc.	39%	\$ 433,809	\$ 168,322	\$ 265,487
Final Design Transmission Pipeline - 5b	100%	\$ 545,000	\$ 545,000	\$ (0)
Final Design Transmission Pipeline - 5c & 5d	73%	\$ 970,000	\$ 706,636	\$ 263,364
Final Design Transmission Pipeline - 6	49%	\$ 4,000,000	\$ 1,960,981	\$ 2,039,019
Acquire Easements	13%	\$ 2,919,000	\$ 386,805	\$ 2,532,195
Admin/Finance/Legal	40%	\$ 1,547,093	\$ 617,995	\$ 929,098
ENDAWS-Local Portion	22%	\$ 790,000	\$ 174,984	\$ 615,016
Engineering & Land Acquisition Subtotal		\$ 14,657,677	\$ 6,794,776	\$ 7,862,901
Construction				
Pipeline 5A & Trenchless	93%	\$ 10,146,587	\$ 9,406,533	\$ 740,054
Construction Contract	100%	\$ 8,393,396	\$ 8,393,396	\$ (0)
Bidding Services	100%	\$ 75,621	\$ 75,621	\$ 0
Construction Phase Services	108%	\$ 868,145	\$ 937,515	\$ (69,370)
Contingency	<i>if needed</i>	\$ 809,425	\$ -	\$ 809,425
Discharge Structure	72%	\$ 2,433,736	\$ 1,744,022	\$ 689,714
Construction Contract	100%	\$ 1,521,884	\$ 1,521,884	\$ 0
Bidding Services	100%	\$ 40,736	\$ 40,736	\$ 0
Construction Phase Services	94%	\$ 193,000	\$ 181,402	\$ 11,598
Contingency	<i>if needed</i>	\$ 678,116	\$ -	\$ 678,116
Missouri River Intake Wetwell	82%	\$ 6,128,008	\$ 5,022,644	\$ 1,105,364
Construction Contract	90%	\$ 4,950,839	\$ 4,455,949	\$ 494,891
Bidding Services	100%	\$ 36,662	\$ 36,662	\$ (0)
Construction Phase Services	87%	\$ 612,000	\$ 530,033	\$ 81,967
Contingency	<i>if needed</i>	\$ 528,506	\$ -	\$ 528,506
Missouri River Intake Screen Structure & Tunnel	67%	\$ 23,325,000	\$ 15,571,443	\$ 7,753,557
Construction Contract	69%	\$ 19,287,359	\$ 13,311,443	\$ 5,975,916
Construction Phase Services	87%	\$ 2,585,000	\$ 2,260,000	\$ 325,000
Contingency	<i>if needed</i>	\$ 1,452,641	\$ -	\$ 1,452,641
Pipeline 5B	18%	\$ 51,600,000	\$ 9,079,188	\$ 42,520,812
Construction Contract	18%	\$ 44,551,263	\$ 7,853,079	\$ 36,698,184
Construction Phase Services	27%	\$ 4,486,000	\$ 1,226,109	\$ 3,259,891
Contingency	<i>if needed</i>	\$ 2,562,737	\$ -	\$ 2,562,737
Construction Subtotal	44%	\$ 93,633,331	\$ 40,823,830	\$ 52,809,501
Total Program Budget	56%	\$ 139,033,147	\$ 78,055,801	\$ 60,977,346

Bureau of Reclamation Activities

Garrison Diversion Board of Directors Meeting
January 12 - 13, 2023

Municipal, Rural, and Industrial Program

Rural Water Budgets:

Rural Water Budgets	Final FY 2022*	Requested FY2023
GDU	81.357	14.099
State	51.177	7.099
Tribe	30.180	7.000
Lewis & Clark	97.414	6.600
Fort Peck	24.191	0.000
Rocky Boys	76.004	8.761
E NM	177.400	4.626
Total	456.366	34.086

*Includes BIL funding and additional earmarked funding

State Municipal Rural and Industrial Program

Northwest Area Water Supply (NAWS)

Construction activities are nearing completion for Contract 7-1B (Minot Water Treatment Plant Improvements), the distribution pipeline Contract 2-4D, and the Lansford Reservoir and Pipeline (Contract 4-3A/5-3A). Construction is ongoing for Contract 7-2A/4-1A Biota Water Treatment Plant Phase I and the South Prairie Reservoir and Hydraulic Control Structure (Contract 5-1A/B).

Bids were opened on September 22, 2022, for Phase I of the Snake Creek Intake Modifications project (Contract 6-1A). Only one bid was received, and it was significantly more than the engineer's estimate, so it was decided not to award a contract. Reclamation worked with the State to break the Phase I tasks into smaller contract and procurement contracts as a means to generate more interest and competitive bids to achieve the work. Bid opening for the demolition work within the Snake Creek Pumping Plant (SCPP) occurred in December 2022, with Reclamation providing concurrence on the award December 29, 2022. Bids were also received on the Procurement Contract and Reclamation provided concurrence on their award on December 29, 2022. Reclamation and the North Dakota Department of Water Resources are working on a Facility Use Agreement which will allow the NAWS project to use this facility.

Reclamation has reviewed the 95% design plans and specifications for review for the Bottineau Reservoir and Booster Pump Station (Contract 5-4A/B) and granted approval to advertise the project for bid. The State will advertise for bid when funding becomes available.

Reclamation is also drafting an Operations & Maintenance agreement for the NAWS Biota Water Treatment Plant. The Department of Water Resources and the City of Minot will be parties to this cooperative agreement. The goal is to have an agreement in place prior to the start-up of the Biota Water Treatment Plant which is anticipated in 2024.

Eastern North Dakota Alternate Water Supply

Reclamation, Garrison staff, and Garrison's consultant met with representatives from the Fish & Wildlife Service at Audubon refuge to discuss the proposed pipeline alignment and options for routing the pipeline in areas where the Service has wetland easements. Discussions on this topic will continue to ensure compliance with National Environmental Policy Act (NEPA) commitments. The purchase of easements for this project has been included in the cooperative agreement as an approved activity.

Southwest Pipeline Project

Contract 1-2A, Supplementary Raw Water Intake – The marine and pipe contractors encountered some unanticipated issues with the horizontal drilling which delayed progress. The contractor decided to demobilize and restart the effort next construction season. Additional geotechnical assessments are planned, and Reclamation is working with the sponsor and U.S. Army Corps of Engineers to complete additional environmental and cultural reviews as required for this effort. Reclamation participates in bi-weekly coordination calls on this project with the sponsor, U.S. Army Corps of Engineers, and others.

Cooperative Agreement

Reclamation and Garrison Diversion's working relationship for the State Municipal, Rural, and Industrial (MR&I) Program is defined by the terms of a Cooperative Agreement (R17AC00049). Sixteen modifications have been completed for this agreement for the purposes of adding construction projects, engineering projects, and/or obligating funds to the agreement. Reclamation will be working with Garrison and the State to prepare a modification for the obligation of FY2023 appropriations to this agreement.

In FY2022, there was \$33,545,000 in Bipartisan Infrastructure Legislation (BIL) allocated to the State MR&I Program. Due to the additional requirements associated with the BIL funding, it was agreed that a new cooperative agreement would be established for projects using these funds. In November, Garrison/State Water Commission submitted a workplan and budget along with a request to establish this new agreement. Dakotas Area Office has forwarded this request to our regional office for review and processing.

Reclamation received a request for a waiver of the Buy American requirement associated with the Biota Water Treatment Plant (WTP) Phase I construction contract. Dakotas Area Office has shared the waiver request with our regional office. The request is going through the review process, which includes Reclamation, Interior and the Office of Management and Budget. Reclamation's General Waiver expires on January 12, 2023, at which point the Buy America

requirement will apply. Dakotas Area Office staff will keep Garrison and the State updated on any feedback received on the waiver request.

Indian MR&I Program

Standing Rock MR&I System

The Tribe has awarded the Standing Rock Water Treatment Plant Membrane Equipment Procurement project to WesTech Engineering, Inc., from Salt Lake City, Utah, in the amount of \$1,033,556.51. These ceramic membranes will be used to increase the water treatment capacity of the Standing Rock Water Treatment Plant from 3 MGD to 5 MGD. Bartlett & West is the engineer for this project. Change Order No. 1 has been processed, upgrading clean in place (CIP) and backwash pumps and increased the contract by \$117,391.78 for a total contract price of \$1,150,948.29. Bartlett & West has designed and prepared plans and specifications for the installation of the procured membranes. The installation contract was bid on February 11, 2021, with no bidders. The Installation Contract was readvertised with a bid opening of March 16, 2021. The Installation Contract received three bids with the low bid coming from American General Contractors, Inc. of Valley City, North Dakota in the amount of \$2,021,350.87. Notice to Proceed was issued on August 5, 2021. The Substantial Completion Date is March 31, 2022. Due to several of the construction supplies having long lead times, the Substantial Completion date will not be met. The ceramic membranes were delivered to the Standing Rock Water Treatment Plant on November 16, 2021. The latest update to the construction schedule indicates a completion in July 2023.

The demolition of the Fort Yates Water Treatment Plant and intake was advertised on October 29, 2021, with a bid opening held on November 30, 2021. There was one bid received in the amount of \$2,961,634.91 from Wagner Construction. This bid is \$1,471,928.36 below the Technical Service Center engineer's estimate of \$4,433,563.27. Wagner Construction is currently in the process of submitting the submittals required by the contract specifications. The work includes the demolition of the Water Treatment Plant and associated features, the demolition of the intake site, and the reclamation of the lagoons and ponds. These features have been decommissioned from the Standing Rock Rural Water System and no longer serve a purpose. The Technical Service Center completed the 100 percent plans and specifications, and the Tribe's engineer (Bartlett & West) will be administering the contract. The award of the Fort Yates Demolition project to Wagner Construction was approved at the February Tribal Council meeting and contract documents have been executed. A pre-construction conference was held on March 30, 2022. Construction began with reclamation of the lagoons and ponds in late October 2022 and continued into December when Wagner shut down due to adverse weather conditions.

Construction Contract 4-1 Schedule 1 was bid on July 7, 2022, with two bidders. The low bidder was Carstensen Contracting with a bid of \$4,147,931.08. This project includes installation of approximately 126,420 lineal feet of 2 inch through 4 inch diameter ASTM D2241 gasketed joint PVC pipe, connection of 24 services, an 8 inch water line relocation, wet tap tie-ins, road and stream crossings and all other related appurtenances. The final completion date is July 31, 2023. Carstenson Contracting started construction in late October 2022 and worked into December when they had to shut down due to adverse weather conditions.

Construction Contract Kenel to State Line project was bid on April 22, 2022, with Storms Construction as the only bidder. Storms Construction's bid of \$5,330,759.91 was \$253,080.09 lower than the engineers estimate. Reclamation has a cost share in this project of \$144,500. The remaining funding was a U.S. Department of Agriculture (USDA) grant. This project includes installation of 54,013 feet of 6 inch PVC SDR 17 water main, 1,458 feet of 12 inch yelomine directional drilled casing, 4,845 feet of 6 inch HDPE directionally drilled piping, 36 air release valve pits with 560 feet of 1 inch PE 250 psi piping, 1 inch corporation stops and 1 inch curb stops, 2 pressure reducing valve vaults, 18 - 6 inch gate valves, 13 - 1 inch stainless steel saddle with 1 inch corporation stop, 14 - 1 inch curb stops, 1,294 feet of 1 inch HDPE 250 psi, 1,120 feet of 1 inch HDPE 200 psi, 1 - 1 ½ inch stainless steel saddle with corporation stop, 1 - 1 ½ inch curb stop, 940 feet 1 ½ inch PVC SDR 17, 15 meter pits, 6 - 2 inch flush hydrants, 100 feet of 1 inch HDPE non cased directional drilling, 1,000 feet of 2 inch HDPE non cased directional drilling, 7,200 feet of 4 inch PVC SDR 17, 4 inch gate valve, 4 inch flush hydrant, 85 feet of 8 inch yelomine bored casing, 388 feet of 4 inch yelomine bored casing and related materials and appurtenances. The pre-construction conference was held on August 4, 2022, and the notice to proceed was issued on August 10, 2022. The contract documents indicate the final completion date shall be no later than 250 calendar days after the notice to proceed. Storms Construction began installing the pipeline in August 2022.

Spirit Lake MR&I System

Preliminary design and right-of-way acquisitions continued on several projects including: Tokio Service Area, Service to Warwick School, and Warwick Service Area.

Fort Totten Community Upgrades' design has been completed by Indian Health Service (IHS). The project was bid in May, after the Grant of Right of Way was received from the Bureau of Indian Affairs (BIA). The low bidder was Storms Construction with a bid of \$3,106,992.07.

Reclamation staff has continued to work with the Tribe's operators to help resolve operation and maintenance issues with the B6 Booster Station, the St. Michael control vault, and the Water Treatment Plant.

Fort Berthold Rural Water System (FBRWS)

The categorical exclusion checklist (CEC) for constructing an access road to the South Mandaree Intake site is paused until a workable route is found. A permit application from the Corps of Engineers is being worked on for the proposed Wolf Chief Bay raw water intake, located in the South Segment. The new intake would be used for FBRWS MR&I purposes, with the primary use being for Industrial purposes.

Plans are underway to construct a new 1,000 gpm membrane water treatment plant in the West Segment, called the Bruce Fox Sr. Mandaree Water Treatment Plant, located about 2.5 miles north-northeast of the existing WTP. Its estimated cost is over \$20 million, far exceeding the funds available under the existing, authorized FBRWS construction ceiling. The Tribal Business Council passed a resolution to authorize the expenditure of the tribal (non-Federal) funds for the project. While the Tribe is covering most of the cost, they hope the non-Federal costs would be reimbursable if a new construction ceiling is authorized.

Plans are underway to increase the capacity of the existing Four Bears WTP, from 750 gpm to 1,000 gpm. That project would include the construction of a new ground storage tank, located north of Four Bears Village, to replace the existing Dragswolf tank. The Tribal Business Council passed a resolution to authorize the expenditure of the tribal (non-Federal) funds for the project. While the Tribe is covering most of the cost, they hope the non-Federal costs would be reimbursable if a new construction ceiling is authorized.

Turtle Mountain Rural Water System

Contract 3-2 Membrane Treatment Improvements - The membrane treatment project will address the formation of disinfection by-products caused by an organic component in the source ground water. Project re-advertised in September 2019, with two responsible bidders submitting bids, with apparent low bidder being approximately \$1 million over. Consultant negotiated with low bidder, and project was awarded in July 2020. Construction began fall 2020 with the project approaching substantial completion.

Contract 2-4 Thorne Reservoir and Booster Station – This project includes the construction of a 500,000-gallon raw water reservoir and booster pumping station, which will help to meet pressure and quantity demands on the system and will increase the efficiencies of the well field pumps. This project was advertised spring 2020, with all bids being \$3 million plus above engineer's estimate. Consultant amended the Plans & Specs, and re-advertised fall 2020. Negotiations with contractor took place with the project being awarded spring 2021. Construction has begun with the foundation and walls of pump station being completed. Interior work continued through the winter with excavation of reservoir currently taking place with substantial completion scheduled for this winter.

Contract 1-10 Highway 43 Corridor Phase 3 – This project continues to add main line and service connections along Highway 43 west of the Lake Upsilon area (Phase 2). This project will complete a loop in the system to ensure reliable service to the community. Design is complete. Turtle Mountain worked with Rollet County as a project sponsor to secure North Dakota state grant funding. Project was advertised and awarded on August 10, 2022, with construction taking place this summer and construction being approximately 50% complete before winter shut down.

Contract 4-2 Belcourt Sewer and Water Phase 4 – This project will replace aging existing water and sewer lines within Belcourt. It does not have any Bureau of Reclamation funding. It was awarded and began construction in May 2022. Construction took place this summer and is approximately 70 percent complete.

Contract GP-20-J85 San Haven Water Main Replacement – Replacement of water main in the vicinity of San Haven. Plans and Specs were delivered to Reclamation for review, and comments were provided. The project was advertised and awarded in July 2022 with construction started.

Trenton Indian Service Area

The Hilltop Water and Sewer Replacement and Pressure Reducing Valve (PRV) Vault project was awarded to Teraflex Group, LLC for \$495,835 and construction work was started summer 2018. The project installed 2539 LF of water line and will replace the existing Booster Station

B with a PRV to connect to the existing Western Area Water Supply mainline. User agreement with Western Area Water Supply is still being negotiated, with work on the PRV to be completed when agreement is finalized.

Principal Supply Works

Repayment Contract

Reclamation and Garrison Diversion have negotiated the terms of an irrigation repayment contract. Reclamation will be sending the contract to Garrison Diversion in January for signature. Reclamation continues to collaborate with Garrison Diversion on the Municipal and Industrial (M&I) pricing for the capital repayment of the Garrison Diversion Unit Project. On June 29, 2022, Regional Director presented Garrison Diversion with a repayment cost of \$47,501 per cubic feet per second. Garrison Diversion did not accept the repayment cost presented and will be coordinating with North Dakota congressional staff for protentional legislation.

Snake Creek Pumping Plant (SCPP)

Reclamation continues discussion with the U.S. Army Corps of Engineers on the Snake Creek embankment foundation concerns. Reclamation has signed to be a cooperating agency with the Corps of Engineers in preparing their Dam Safety Modification Study and National Environmental Policy Act (NEPA) review. The final Dam Safety Modification Study and Environmental Assessment will be reviewed by cooperating agencies in mid-December. Public comment period is anticipated in late January-February with a public meeting planned at SCPP on February 16. Reclamation and Garrison Diversion continue to prepare a feasibility design and cost estimate to provide water to Snake Creek Pumping Plant and the McClusky Canal in times when the Audubon Reservoir restriction is implemented.

McClusky and New Rockford Canals

Reclamation and Garrison Diversion collaborated to finalize Garrison Diversion's 2023 workplan and budget.

Irrigation

Jamestown Dam

Jamestown Dam Stilling Basin Concrete Floor Repairs began September 20 and were completed on November 9, 2022.

Turtle Lake and McClusky Canal Irrigation Areas

Reclamation and Garrison Diversion will be signing the irrigation repayment contract to increase the 2023 irrigated acres by 595 acres, to a total of 7,842.6. Reclamation will be modifying the project use power contract to include these acres for the 2023 irrigation season.

Standing Rock Irrigation Project

The Tribe encountered sediment in the wet well at their Cannonball Irrigation intake. This sediment was being drawn up through the pumps. The Tribe and their irrigator procured the services of a diving company to inspect the intake pipe and found that while there were no

breaks or holes in the pipe, there was sediment plugging up to 80 percent of it for a distance of 200 feet. It is thought that low water levels in the lake may have contributed to the sediment being pulled into the intake. The diving company has completed sediment removal and will come back next spring to install screens in the wet well. The Tribe requested approval to modify their agreement to cover the cost of this work. Reclamation is working with the Tribe to submit a FY23 Aging Infrastructure request through the Bipartisan Infrastructure Law funding for embankment stabilization repairs at Eagle Unit. Reclamation is working with the Tribe and their irrigator to develop a long-term plan that addresses the future of their three irrigation units. This plan will then be used to explore the availability of funds to complete their efforts.

Recreation Development

Chain of Lakes

A camp host will be recruited for the 2023 recreation season. Dakotas Area Office is working with Region to pay McLean County for their law enforcement services for FY22.

North Dakota Natural Resources Trust

Nothing new to report

Wildlife Program

Lonetree

Dirt tour completed on September 15, 2022. New agreement is with Region.

Audubon

Reclamation and Fish and Wildlife Service staff conducted the annual joint review of the Audubon Refuge mitigation features on September 7, 2022. New agreement is with Region.

Arrowwood

Smith-Root completed the annual fish barrier inspection on October 12, 2022. Electrical wire connection repairs are need by 2023 spring runoff.

Scattered Tracts

The fall semi-annual meeting was conducted in October. The final Memorandum of Agreement (MOA) to modify the 1986 agreement is going through the signature process and is with Fish and Wildlife Service. New agreement is in process.



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January 6, 2023

Jeff Greenwald
Planner / Project Manager
Omaha District, USACE
1616 Capital Avenue
Omaha, NE 68102

Re: Snake Creek Dam Safety Mod Study – Socioeconomic Analysis Comments

Dear Mr. Greenwald:

Per your recent request, Garrison Diversion has provided a review of the Socioeconomic Analysis that was provided as Appendix A6 of the Snake Creek Dam Safety Mod Study. Our review focused primarily on Section 5 of the Appendix titled *Lost Benefits Associated with Embankment Failure and WCMD*. More specifically, our review focused on Section 5.10 of Appendix A6 which provided an analysis of the lost benefits associated with the Garrison Diversion led MR&I Water Supply Projects (i.e., RRVWSP, ENDAWS, and CNDAWS) from the Water Control Manual Drawdown (WCMD) measures. Although we did provide a complete review of the entire Appendix, in the interest of brevity and to emphasize our most significant comments on the analysis, this letter focuses primarily on our comments regarding the methodology utilized to determine the lost benefits for each of these MR&I projects.

Below is a summary of our primary comments on the analysis by section reference:

- **5.10.3 – ENDAWS and CNDAWS Usage** – This section states that the counties served by these projects “*have access to normal levels of potable water for MR&I uses currently; however, a severe and prolonged drought may threaten the current water sources. This means that in normal years, or wet years, these counties would rely little on these projects for MR&I water.*” It should be pointed out that this statement is accurate for current usage, however, both of these projects have significant planned capacity for water dedicated to future industrial expansion that once operational will rely entirely on these supplies. For this reason, Equation 1 and Equation 2 summarized in this section do not represent the likely impacts to water supply for industry that will primarily be served by these projects and that will not exist if their supply is interruptible based on the WCMD.
- **Section 5.10.4 – CNDAWS Methodology** – This section summarizes how demands were analyzed for water from the CNDAWS project. The section analyzes demands for CNDAWS water based solely on household use. This is a flawed underlying assumption since none of this water is intended for domestic household use and the supply is entirely dedicated to industry. The associated CNDAWS benefit calculations are therefore inaccurate as the economic impact of the loss of this supply relative to household water price increases is irrelevant. A more accurate approach would be to analyze the comprehensive impacts associated with the loss of industry due to a complete loss of water supply.

Jeff Greenwald
January 6, 2023
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- **Section 5.10.5 – ENDAWS Methodology** – Similar to Section 5.10.4, the ENDAWS approach to analyzing benefits is entirely based on household demands. Although ENDAWS capacity is not entirely dedicated to industry, major portions of the project are intended to serve industrial expansion for the area of service. Therefore, pricing benefits of ENDAWS based entirely on the estimated impact to the cost of household water across the project service area is also fundamentally flawed.
- **Section 5.10.6 – Loss of Benefits from Drawdown** – This section provides a calculation to show the loss of benefits in any single year should be weighted down per Equation 2 in Section 5.10.3 to recognize the projects are backup water supplies. Per the comments above on Section 5.10.3, the calculations in this section are also fundamentally flawed as they fail to represent that there will be industry served by ENDAWS and CNDAWS that will rely entirely on these projects as a primary water supply and that will likely not exist if these projects provide interruptible service due to the WCMD measures.
- **Section 7 – NED Costs and Benefits** – Based on the concerns noted regarding the methodology utilized to determine the Loss of Benefits for the ENDAWS and CNDAWS projects, we do not believe the Benefit Cost Ratios calculated in this section are an accurate representation of the actual economic impacts from the proposed WCMD measures.

We appreciate the extensive work that the USACE has done on the EA. Our overall comment is that the EA does not adequately account for the significant economic impacts on North Dakota resulting from an inadequate water supply during a drought.

We expect to have technical comments on other portions of the EA during the public comment period. Thank you for considering these comments.

Sincerely,



Kip Kovar, PE
District Engineer

2022 ACCOMPLISHMENTS

Garrison Diversion Conservancy District

1) Federal/National

- a) Met with Brent Esplin, Regional Director of Bureau of Reclamation, 2 times
- b) Held multiple meetings with Congressional Delegation to provide updates on RRVWSP and GDCD
- c) Attended NWRA 91st Annual Conference
- d) Attended NWRA Leadership Forum
- e) Attended Family Farm Alliance Conference
- f) Attended NRWA WaterPro Conference
- g) Attended NWRA Federal Water Issues Conference
- h) Met with Commissioner Touton
- i) Attended NWRA Western Water Seminar
- j) Continued to negotiate Cost of Water with BOR
- k) Attended Groundwater Management District Association Conference
- l) Converted Irrigation Water Service Contract to Master Repayment Contract for canal-side irrigation

2) MR&I Program

- a) Maintained communications with State Water Commission, ND Rural Water Systems Association and League of Cities
- b) Participated in 3 water supply funding agency meetings
- c) Distributed \$22.8 million from the MR&I Fund
- d) Awarded \$17.4 million to MR&I projects
- e) Awarded \$133,676 in Water Supply Assistance Grant funds
- f) Secured \$1.72 million for ENDAWS
- g) Met with tribal leaders to discuss the option to raise the MR&I ceiling
- h) Extended MR&I Cooperative Agreement for 5 years

3) Agriculture and Irrigation Development

- a) Hosted Irrigation Appreciation supper
- b) Provided \$167,865 for irrigation trials (plus \$6,805 architect fees)
- c) Provided \$50,000 to support the ND Irrigation Association
- d) Provided \$8,000 towards irrigation development
- e) Provided \$16,484 for the Robert Titus Lease
- f) Approved a 2023 budget of \$167,865 for OIRS (plus building)
- g) Developed plan for building at the OIRS
- h) Developed an additional 595 irrigation acres
- i) Presented at ND Water Convention Irrigation Workshop

4) Red River Valley Water Supply Project

- a) Provided support for Lake Agassiz Water Authority
- b) Facilitated 4 Lake Agassiz Water Authority meetings
- c) Facilitated 4 LAWA Technical Advisory Committee meetings
- d) Facilitated 1 LAWA Financial Advisory Committee meetings
- e) Facilitated 3 LAWA Technical Advisory Committee Operational Subcommittee meetings
- f) Presented RRVWSP updates at 3 Water Topics Overview Committee meetings
- g) Engaged in many RRVWSP Leadership Strategy, Financial Planning, Administrative, Engineering and Construction meetings
- h) Continued meeting with state legislators
- i) Met with House and Senate Majority Leaders regarding RRVWSP
- j) Met with state and federal agencies to provide updates on the RRVWSP
- k) Invested \$26 million in the RRVWSP
- l) Updated financial modeling options
- m) Received RRVWSP funding from State Water Commission
- n) Established a credit agreement by and between Garrison Diversion, LAWA, City of Fargo, and City of Grand Forks relating to the financing of local project costs of the 2021-2023 biennium work for the RRVWSP
- o) Awarded bid for RRVWSP Transmission Pipeline Contract 5B
- p) Finalized RRVWSP Sheyenne River Discharge Structure and Site Development Contract
- q) Finalized RRVWSP Transmission Pipeline Contract 5A
- r) Continued construction on the Missouri River Intake Contract 2
- s) Approved the 2022 work plan for RRVWSP
- t) Continued right-of-way effort in Griggs, Foster, Wells Counties
- u) Participated in regular meetings with BND regarding RRVWSP financials
- v) Held multiple meetings with the City of Washburn as a potential RRVWSP participant
- w) Participated in multiple interviews with KX News regarding the RRVWSP
- x) Developed a Project Participation Agreement with LAWA

5) Natural Resources

- a) Assisted with maintenance of Audubon & Arrowwood National Wildlife Refuges
- b) Assisted with maintenance of Lonetree Wildlife Management Area
- c) Assisted with maintenance of mitigation features as requested by Reclamation
- d) Completed a wetland area for ND G&F at Painted Woods

6) Recreation Program

- a) Awarded \$1,284,607 to 43 projects
- b) Expended \$252,909 to previously approved projects
- c) Continued maintenance of recreation facilities at Chain of Lakes Recreation Area
- d) Updated eligibility guidelines for the Matching Recreation Grant Program

7) Administrative/Legislative

- a) Attended multiple meetings with ND Water Users and Water Coalition
- b) Engaged in communication efforts with legislators to prepare for upcoming legislative session
- c) Facilitated 29 Garrison Diversion Board & Committee meetings
- d) Reported GDCD activities at State Water Commission meetings
- e) Attended GNDC Policy Summit
- f) Attended Ag Coalition meetings
- g) Attended Great Plains Dynamics Accounting Software Conference
- h) Conducted 2023 Budget Hearing to fulfill statutory requirement
- i) Completed 2021 Audit with no findings
- j) Attended Upper Missouri Water Users Association Conference
- k) Participated in virtual Red River Basin Commission Water Supply Working Group meetings
- l) Attended 2 GDU Semi-Annual meetings
- m) Finalized Indirect Cost calculation to the Interior Business Center
- n) Attended regularly scheduled meetings with BOR Area Manager
- o) Installed AV system at Headquarters building, McClusky office and Snake Creek Pumping Plant
- p) Explored program management information system software options
- q) Secured Bond Counsel for Garrison Diversion RRVWSP financing
- r) Held one All Staff Meeting
- s) Capital Purchases/Building Improvements
 - i) 2021 Ram 1500 Pickup
 - ii) 2023 Chevy Tahoe
 - iii) Garage Roof
 - iv) AC
 - v) AV System
 - vi) Can Am ATV
- t) Completed High Point Networks IT Security Analysis
- u) Approved \$55,840 to support the Missouri River Joint Water Board's Educate, Advocate and Engage Program
- v) Approved funding for the Upper Sheyenne River Joint Water Resource Board's Upper Sheyenne Pilot Project at \$50,000 for three years
- w) Adopted the financing resolution pertaining to Garrison Diversion's Water Revenue Bond, Series 2022

8) Public Relations

- a) Implemented 2022 Garrison Diversion Communications Work Plan
- b) Implemented 2022 RRVWSP Communications Plan
- c) Developed & submitted 10 ND Water magazine stories
- d) Developed and published the 2021 Annual Report
- e) Prepared and distributed 37 news releases
- f) Staffed Garrison Diversion and LAWA booths at 5 conferences/events
- g) Updated and maintained Garrison Diversion website
- h) Updated and maintained LAWA website
- i) Updated and maintained RRVWSP website
- j) Maintained Facebook and Twitter social media accounts for Garrison Diversion and RRVWSP
- k) Distributed Quarterly RRVWSP Newsletter
- l) Developed multiple information pieces for RRVWSP and Garrison Diversion
- m) Updated exhibit booth displays
- n) Continued to support ND's water community
- o) Participated in National AIS week in conjunction with ND G&F
- p) Presented on Garrison Diversion and the RRVWSP with the Valley Prosperity Partnership; North Dakota Water Users Joint Water Convention; ND Water Users Summer meeting, Carrington Kiwanis, Grand Forks City Council
- q) Hosted regional legislative forums in Carrington, Fargo, Grand Forks and Bismarck
- r) Hosted tours of GDCD and RRVWSP facilities and construction sites
 - i) Commissioner Touton and Senator Hoeven
 - ii) Legislators at Missouri River Intake Site
 - iii) Staff and directors construction site visits
 - iv) Developed 'Why Rural Water' video
 - v) Updated existing RRVWSP Overview video

9) Engineering & Operations

- a) Major equipment purchases
 - i) Felling Heavy Haul Trailer
 - ii) 2022 Bobcat T770 Compact Track Loader
 - iii) Apache AS650 Self-Propelled Sprayer
 - iv) Vehicle Lift for New Rockford Shop
 - v) 2022 Chevy 3500
- b) Moved approximately 230,000 cubic yards of earth at the Major Slide Repair
- c) Maintained quality staff and equipment
- d) Updated and implemented "5-Year Work Plan"
- e) Completed 2022 annual work plan on GDU facilities
- f) Completed 2022 annual work plan for Devils Lake Outlet maintenance
- g) Operated and maintained 13 McClusky Canal Irrigation Projects
- h) Completed 3 trenchless crossings at the major slide area
- i) Completed inaccessible features survey of underwater structures along the McClusky Canal
- j) Participated in NAWS preconstruction meetings
- k) Performed maintenance for RRVWSP Sheyenne River Discharge Structure
- l) Hosted 10 tours at the Snake Creek Pumping Plant for various groups
- m) Engaged as a Cooperator in USACE Snake Creek Embankment Dam Safety Modification Study

2023 WORK PLAN

Garrison Diversion Conservancy District

A. Federal

1. Continue to monitor and engage in WOTUS rule
2. Maintain cooperative agreements with Reclamation
3. Finalize cost of water and sign ENDAWS Master Repayment Contract
4. [Support Federal legislation allowing irrigation districts access to PUP outside the McClusky Canal corridor](#)

B. MR&I Program

1. Administer Garrison Diversion Water Supply Assistance Grant Program
2. Work with NDRWSA, Reclamation and other agencies to support rural water users
3. Work with ND Water Coalition to examine funding priorities
4. Increase Federal funding for MR&I
5. [Sign a BIL agreement with Reclamation](#)
6. Secure additional funding for ENDAWS

C. Develop and enhance irrigation in North Dakota

1. Provide assistance and support to the ND Irrigation Association
2. Continue to work with ND Extension to secure state funding for the OIRS
3. [Construct building at OIRS](#)
4. Continue outreach with power coops regarding future development of the McClusky Canal Power Infrastructure Master Plan
5. Continue development of the McClusky Canal Irrigation Project
6. Continue to support irrigation in current state cost-share policy
7. Seek updates to Garrison Diversion irrigation authority in Century Code
8. [Explore and finalize Garrison Diversion's position regarding financing "on-farm" irrigation costs](#)

D. Red River Valley Water Supply Project

1. Provide support for Lake Agassiz Water Authority
2. Explore James River water for MR&I water delivery
3. Continue to execute the 2021-2023 RRVWSP work plan
4. Support affordable funding plan for RRVWSP
5. [Execute Project Participation Agreement with LAWA](#)
6. [Continue](#) construction on 9-mile (Contract 5B) segment east of Carrington
7. Continue User Participation meetings
8. Further research user nominations, pipe size and hydraulics
9. [Implement Program Management Information System](#)
10. [Bid and secure contracts for Transmission Pipeline Contracts 5C, 5D, 6A, and 6B, and begin construction.](#)
11. [Begin Final Design on Contract 4 and Contract 7, along with other facilities](#)

E. Natural Resources

1. Assist with maintenance of Audubon & Arrowwood National Wildlife Refuges
2. Assist with maintenance of mitigation features as requested by Reclamation

F. Recreation Program

1. Administer Garrison Diversion Matching Recreation Grant Program
2. Continue maintenance of facilities at Chain of Lakes recreation areas
3. Implement Stump Lake land development

G. Administrative/Legislative

1. [Attend and advocate for GDCD and RRVWSP at the 2023 legislative session](#)
2. Review and update Garrison Diversion Bylaws & Policy
3. Replace [Ford Explorer](#)
4. Research and establish a digital filing system
5. Update Employee handbook
6. Update board policies
7. Implement IT security program
8. [Secure Managed IT services](#)

H. Public Relations

1. Develop, publish and distribute [2022](#) Annual Report
2. Develop and distribute RRVWSP Quarterly Newsletter
3. Develop ND Water magazine stories (10 issues)
4. Staff Garrison Diversion and LAWA display booths at appropriate conferences and events
5. Prepare and distribute news releases regarding Garrison Diversion, RRVWSP and LAWA efforts
6. Develop and update public information pieces as needed
7. Maintain social media sites for GDCD and RRVWSP
8. [Develop new](#) GDCD, RRVWSP and LAWA websites
9. Implement [2023](#) Communications Work Plan
10. Finalize and install wall displays at headquarters building

I. Engineering & Operations

1. Maintain quality staff and equipment
2. Implement "5-Year Work Plan"
3. Complete [2023](#) annual work plan on GDU facilities
4. Complete [2023](#) annual work plan for Devils Lake Outlet maintenance
5. Complete [2023](#) work plan for McClusky Canal Irrigation Projects
6. Assess the future utilization of the New Rockford Canal

J. [2023 additions](#)

Bureau of Reclamation Activities

Garrison Diversion Board of Directors Meeting
April 11-12, 2023

Municipal, Rural, and Industrial Program

Rural Water Budgets:

Rural Water Budgets	Final FY 2022*	FY2023*
GDU	81.357	40,425
State	51.177	16.000
Tribe	30.180	24.425
Lewis & Clark	97.414	78.600
Fort Peck	24.191	15.000
Rocky Boys	76.004	97.321
Musselshell- Judith	37.000	27.600
E NM	177.400	96.140
Total	493.366	355.086

*Includes BIL funding and additional earmarked funding

State Municipal Rural and Industrial Program

Northwest Area Water Supply (NAWS)

Construction activities are ongoing for the distribution pipeline Contract 2-4D, Contract 7-2A/4-1A Biota Water Treatment Plant Phase I and the South Prairie Reservoir and Hydraulic Control Structure (Contract 5-1A/B). Contract 7-1B (Minot Water Treatment Plant Improvements) and the Lansford Reservoir and Pipeline (Contract 4-3A/5-3A) are substantially complete. Contract 2-4B (Westhope to Souris pipeline) the State is going through mediation on a claim filed by the contractor.

Bids were opened on February 7, 2023, for Contract 4-4B/5-4B (Bottineau Reservoir and Pump Station). Two bids were received, and Reclamation is preparing a response to Garrison's request for concurrence of the award for this project. This project will be funded with Bipartisan Infrastructure Law (BIL) funds (65%) State funds (35%). Until this project is added to the scope of work to the pending cooperative agreement being established for BIL funded projects, Federal funds cannot be used to pay project expenses. Reclamation is also working with the State as they determine the probable need for a waiver for the Buy American Domestic Procurement provision of this agreement.

Bids were opened on September 22, 2022, for Phase I of the Snake Creek Intake Modifications project (Contract 6-1A). Only one bid was received, and it was significantly more than the engineer's estimate, so it was decided not to award a contract. Reclamation worked with the State to break the Phase I tasks into smaller contracts as a means to generate more interest and competitive bids to achieve the work. Bid opening for the demolition work within the Snake Creek Pumping Plant (SCPP) occurred in December 2022, with Reclamation providing concurrence that same month. Mobilization should take place shortly. Bids were also received on the Procurement Contract and Reclamation provided concurrence on their award in December 2022. The State advertised for bids on the interior Construction Contract of the project in January 2023 and Reclamation provided concurrence of the award in February 2023. The project is being funded by State and local funds, no Federal funds were requested for this project. Reclamation and the North Dakota Department of Water Resources have fully executed the Special Use Permit to allow the NAWS project to use this facility.

Reclamation is drafting an Operations & Maintenance agreement for the NAWS Biota Water Treatment Plant. The Department of Water Resources and the City of Minot will be parties to this agreement. The goal is to have an agreement in place prior to the start-up of the Biota Water Treatment Plant which is anticipated in 2024.

Eastern North Dakota Alternate Water Supply

Reclamation, Garrison staff, and Garrison's consultant have met with representatives from the Fish & Wildlife Service at Audubon refuge to discuss the proposed pipeline alignment and options for routing the pipeline in areas where the Service has wetland easements. Discussions on this topic continue to ensure compliance with National Environmental Policy Act (NEPA) commitments. The purchase of easements for this project has been included in the cooperative agreement (R17AC00049) as an approved activity.

Southwest Pipeline Project

Contract 1-2A, Supplementary Raw Water Intake – The marine and pipe contractors encountered some unanticipated issues with the horizontal drilling which delayed progress. The contractor decided to demobilize and restart the effort next construction season. Additional geotechnical assessments are underway. Reclamation participates in coordination calls on this project with the sponsor, U.S. Army Corps of Engineers, and others.

Cooperative Agreement

Reclamation and Garrison Diversion's working relationship for the State Municipal, Rural, and Industrial (MR&I) Program is defined by the terms of a Cooperative Agreement (R17AC00049). Sixteen modifications have been completed for this agreement for the purposes of adding construction projects, engineering projects, and/or obligating funds to the agreement. Reclamation is working with Garrison and the State to prepare a modification for the obligation of FY2023 appropriations to this agreement.

In FY2022, \$33,545,000 in Bipartisan Infrastructure Legislation (BIL) was allocated to the State MR&I Program. A new cooperative agreement which will include BIL funded projects is being prepared by Reclamation's Regional Office. The FY22 BIL funds and the additional \$5,000,000 in FY23 BIL funding will be obligated to this new agreement for design and construction tasks associated with Phase II of the NAWS Biota Water Treatment Plant (WTP). A modification to this agreement will be required to add the Bottineau Reservoir and Booster Pump Station project to the scope of work of this new agreement.

Reclamation received a request for a waiver of the Buy American requirement associated with the Biota WTP Phase I construction contract. Dakotas Area Office (DKAO) submitted the waiver request for review. The review process includes Reclamation, Interior, and the Office of Management and Budget. Review comments were received from Reclamation's Policy Office and DKAO staff worked with the State and Garrison to resolve the comments. The responses were submitted to the Policy office and DKAO will keep Garrison and the State updated on any additional feedback received on the waiver request. Reclamation's General Waiver expired on January 12, 2023, at which point the Buy America requirements apply. Reclamation had communicated to Garrison and the State that Federal funds cannot be used for project expenses until such time a waiver is approved, or the contract meets the required Buy America provision. On March 1, 2023, DKAO provided clarification that FY22 funds can be used to pay for contract expenses. However, we are awaiting further clarification on the use of FY21 funds for this same purpose.

Indian MR&I Program

Standing Rock MR&I System

The Tribe has awarded the Standing Rock Water Treatment Plant Membrane Equipment Procurement project to WesTech Engineering, Inc., from Salt Lake City, Utah, in the amount of \$1,033,556.51. These ceramic membranes will be used to increase the water treatment capacity of the Standing Rock Water Treatment Plant from 3 MGD to 5 MGD. Bartlett & West is the engineer for this project. Change Order No. 1 has been processed, upgrading clean in place (CIP) and backwash pumps and increased the contract by \$117,391.78 for a total contract price of \$1,150,948.29. Bartlett & West has designed and prepared plans and specifications for the installation of the procured membranes. The installation contract was bid on February 11, 2021, with no bidders. The Installation Contract was readvertised with a bid opening of March 16, 2021. The Installation Contract received three bids with the low bid coming from American General Contractors, Inc. of Valley City, North Dakota in the amount of \$2,021,350.87. Notice to Proceed was issued on August 5, 2021. The Substantial Completion Date is March 31, 2022. Due to several of the construction supplies having long lead times, the Substantial Completion date will not be met. The ceramic membranes were delivered to the Standing Rock Water Treatment Plant on November 16, 2021. The latest update to the construction schedule indicates a completion in July 2023.

The demolition of the Fort Yates Water Treatment Plant and intake was advertised on October 29, 2021, with a bid opening held on November 30, 2021. There was one bid received in the amount of \$2,961,634.91 from Wagner Construction. This bid is \$1,471,928.36 below the Technical Service Center engineer's estimate of \$4,433,563.27. Wagner Construction is currently in the process of submitting the submittals required by the contract specifications. The work includes the demolition of the Water Treatment Plant and associated features, the demolition of the intake site, and the reclamation of the lagoons and ponds. These features have been decommissioned from the Standing Rock Rural Water System and no longer serve a purpose. The Technical Service Center completed the 100 percent plans and specifications, and the Tribe's engineer (Bartlett & West) will be administering the contract. The award of the Fort Yates Demolition project to Wagner Construction was approved at the February Tribal Council meeting and contract documents have been executed. A pre-construction conference was held on March 30, 2022. Construction began with reclamation of the lagoons and ponds in late October 2022 and continued into December when Wagner shut down due to adverse weather conditions.

Construction Contract 4-1 Schedule 1 was bid on July 7, 2022, with two bidders. The low bidder was Carstensen Contracting with a bid of \$4,147,931.08. This project includes installation of approximately 126,420 lineal feet of 2 inch through 4 inch diameter ASTM D2241 gasketed joint PVC pipe, connection of 24 services, an 8 inch water line relocation, wet tap tie-ins, road and stream crossings and all other related appurtenances. The final completion date is July 31, 2023. Carstensen Contracting started construction in late October 2022 and worked into December when they had to shut down due to adverse weather conditions.

Construction Contract Kenel to State Line project was bid on April 22, 2022, with Storms Construction as the only bidder. Storms Construction's bid of \$5,330,759.91 was \$253,080.09 lower than the engineer's estimate. Reclamation has a cost share in this project of \$144,500. The remaining funding was a U.S. Department of Agriculture (USDA) grant. This project includes installation of 54,013 feet of 6 inch PVC SDR 17 water main, 1,458 feet of 12 inch yelomine directional drilled casing, 4,845 feet of 6 inch HDPE directionally drilled piping, 36 air release valve pits with 560 feet of 1 inch PE 250 psi piping, 1 inch corporation stops and 1 inch curb stops, 2 pressure reducing valve vaults, 18 - 6 inch gate valves, 13 - 1 inch stainless steel saddle with 1 inch corporation stop, 14 - 1 inch curb stops, 1,294 feet of 1 inch HDPE 250 psi, 1,120 feet of 1 inch HDPE 200 psi, 1 - 1 ½ inch stainless steel saddle with corporation stop, 1 - 1 ½ inch curb stop, 940 feet 1 ½ inch PVC SDR 17, 15 meter pits, 6 - 2 inch flush hydrants, 100 feet of 1 inch HDPE non cased directional drilling, 1,000 feet of 2 inch HDPE non cased directional drilling, 7,200 feet of 4 inch PVC SDR 17, 4 inch gate valve, 4 inch flush hydrant, 85 feet of 8 inch yelomine bored casing, 388 feet of 4 inch yelomine bored casing and related materials and appurtenances. The pre-construction conference was held on August 4, 2022, and the notice to proceed was issued on August 10, 2022. The contract documents indicate the final completion date shall be no later than 250 calendar days after the notice to proceed. Storms Construction began installing the pipeline in August 2022.

Spirit Lake MR&I System

Preliminary design and right-of-way acquisitions continued on several projects including: Tokio Service Area, Service to Warwick School, and Warwick Service Area.

Fort Totten Community Upgrades' design has been completed by Indian Health Service (IHS). The project was bid in May, after the Grant of Right of Way was received from the Bureau of Indian Affairs (BIA). The low bidder was Storms Construction with a bid of \$3,106,992.07. The pre-construction conference was held on October 21, 2022.

Reclamation staff has continued to work with the Tribe's operators to help resolve operation and maintenance issues with the B6 Booster Station, the St. Michael control vault, and the Water Treatment Plant.

Fort Berthold Rural Water System (FBRWS)

Recently the need for temporary MR&I raw water intakes has increased. In October 2021 the Corps of Engineers issued the permit for the South Mandaree Intake site. The categorical exclusion checklist (CEC) to construct an access road for that site is paused until a workable route is found. In November 2022 the Little Shell intake site permit was issued. In March 2023 the application for the proposed Wolf Chief Bay intake (South Segment) was submitted. The Deep Water intake (Parshall-Lucky Mound) application will be submitted after the Class III survey has been conducted in the spring and the CEC is finalized. The Tribe-FBRW has indicated in addition to the previously mentioned intakes, several more are anticipated to be needed throughout the reservation.

On March 22, 2023, the Tribe-FBRW was informed they were awarded \$54.38 million of Infrastructure Investment and Jobs Act (IIJA) - Bipartisan Infrastructure Law (BIL) Aging Infrastructure funds, to be provided through the O&M program for specific projects. This amount includes \$20.1 million for the Bruce A. Fox Mandaree Water Treatment Plant, a 1,000 gpm ceramic membrane facility, to be constructed about 2.5 miles north-northeast of the existing WTP. Indian Health Service anticipates awarding IIJA-BIL funds to Three Affiliated Tribes (TAT) - Fort Berthold Rural Water System (FBRW) for specific projects, some of which were funded by Reclamation. FBRW anticipates using both Federal sources of funds; Tribal funds (non-Federal) may be used, too, if there are inadequate Federal funds available.

Each of the six Tribal Representatives have plans for significant development in their Segment. In some cases, TAT-FBRW will receive Aging Infrastructure funds from Reclamation for the project's water portion. Where construction or Aging Infrastructure funds from Reclamation are not available then Tribal funds (non-Federal) would cover the costs as Tribal resolutions were passed authorizing it; the resolutions were passed prior to TAT-FBRW being awarded Aging Infrastructure funds. Projects using Tribal funds are anticipated to be conducted in a manner such that Federal requirements would be met, making the costs reimbursable if a new Dakota Water Resources Act construction ceiling is authorized.

Turtle Mountain Rural Water System

Contract 3-2 Membrane Treatment Improvements - The membrane treatment project will address the formation of disinfection by-products caused by an organic component in the source ground water. Project re-advertised in September 2019, with two responsible bidders submitting bids, with apparent low bidder being approximately \$1 million over. Consultant negotiated with low bidder, and project was awarded in July 2020. Construction began fall 2020 with the project approaching substantial completion.

Contract 2-4 Thorne Reservoir and Booster Station – This project includes the construction of a 500,000-gallon raw water reservoir and booster pumping station, which will help to meet pressure and quantity demands on the system and will increase the efficiencies of the well field pumps. This project was advertised spring 2020, with all bids being \$3 million plus above engineer’s estimate. Consultant amended the Plans & Specs, and re-advertised fall 2020. Negotiations with contractor took place with the project being awarded spring 2021. Construction has begun with the foundation and walls of pump station being completed. Interior work continued through the winter with excavation of reservoir currently taking place with substantial completion scheduled for this spring.

Contract 1-10 Highway 43 Corridor Phase 3 – This project continues to add main line and service connections along Highway 43 west of the Lake Upsilon area (Phase 2). This project will complete a loop in the system to ensure reliable service to the community. Design is complete. Turtle Mountain worked with Rollet County as a project sponsor to secure North Dakota state grant funding. Project was advertised and awarded on August 10, 2022, with construction taking place this summer and construction being approximately 50 percent complete before winter shut down.

Contract 4-2 Belcourt Sewer and Water Phase 4 – This project will replace aging existing water and sewer lines within Belcourt. It does not have any Bureau of Reclamation funding. It was awarded and began construction in May 2022. Construction took place this summer and is approximately 70 percent complete.

Contract GP-20-J85 San Haven Water Main Replacement – Replacement of water main in the vicinity of San Haven. Plans and Specs were delivered to Reclamation for review, and comments were provided. The project was advertised and awarded in July 2022 with construction started.

Trenton Indian Service Area

The Hilltop Water and Sewer Replacement and Pressure Reducing Valve (PRV) Vault project was awarded to Teraflex Group, LLC for \$495,835 and construction work was started summer 2018. The project installed 2539 LF of water line and will replace the existing Booster Station B with a PRV to connect to the existing Western Area Water Supply mainline. User agreement with Western Area Water Supply is still being negotiated, with work on the PRV to be completed when agreement is finalized.

Principal Supply Works

Repayment Contract

Reclamation continues to collaborate with Garrison Diversion on the Municipal and Industrial (M&I) pricing for the capital repayment of the Garrison Diversion Unit Project. On June 29, 2022, Regional Director presented Garrison Diversion with a repayment cost of \$47,501 per cubic feet per second. Garrison Diversion did not accept the repayment cost presented and will be coordinating with North Dakota congressional staff for protentional legislation.

Snake Creek Pumping Plant (SCPP)

Reclamation continues discussion with the U.S. Army Corps of Engineers on the Snake Creek embankment foundation concerns. Reclamation has signed to be a cooperating agency with the Corps of Engineers in preparing their Dam Safety Modification Study and National Environmental Policy Act (NEPA) review. The draft Environmental Assessment public comment period is through February 26, 2023. The agency and public meetings were held at SCPP on February 16, 2023. The preferred alternative removes the 43 feet reservoir restriction and focuses any future reservoir restrictions to be based on embankment performance data at the time. Reclamation and Garrison Diversion continue to prepare a feasibility design and cost estimate to provide water to Snake Creek Pumping Plant and the McClusky Canal should a Lake Audubon restriction be implemented.

McClusky and New Rockford Canals

Reclamation and Garrison Diversion collaborated to finalize Garrison Diversion's 2023 workplan and budget.

Irrigation

Jamestown Dam

The Emergency Action Plan meeting was held on March 22, 2023. The Annual James River Operations Meeting is scheduled for April 11, 2023, in Jamestown.

Turtle Lake and McClusky Canal Irrigation Areas

Reclamation and Garrison Diversion executed the irrigation repayment contract to increase the 2023 irrigated acres by 595 acres, to a total of 7,842.6. Reclamation will be modifying the project use power contract to include these acres for the 2023 irrigation season.

Standing Rock Irrigation Project

The Tribe encountered sediment in the wet well at their Cannonball Irrigation intake. Emergency inspection of the intake was completed last fall. Tribe's FY23 Aging Infrastructure application through the Bipartisan Infrastructure Law funding for embankment stabilization geotechnical study at Eagle Unit was awarded. Data collected will be used for evaluating permanent repair options of the embankment in the future. Reclamation, Tribe and the irrigator

met in early February to discuss plans for this year and highest priorities were pump replacements and intake modification at Cannonball Unit. At Eagle Unit a pipeline inspection of the 36" pipe to determine the integrity of it is in the schedule, since it has not been inspected since installation in 1985. Reclamation has worked with the Tribe and their irrigator to develop a long-term plan that addresses the future of their three irrigation units. This plan is being used to explore the availability of funds to complete their efforts.

Recreation Development

Chain of Lakes

Two camp hosts have been offered positions for the 2023 recreation season. We have sent them the paperwork for onboarding, and the anticipated start date is May 20, 2023. We are in the process of setting up a new interagency agreement for law enforcement with the National Park Service out of Knife River Indian Village or Bureau of Land Management (BLM) for the recreation season. The McLean County sheriff contract is in place for the recreation season.

North Dakota Natural Resources Trust

The Trust will be receiving \$880,000 this year. The agreement modification is in Region.

Wildlife Program

Lonetree

Dirt tour completed on September 15, 2022. New agreement is with Region. Semi-annual meeting completed via Microsoft Teams.

Audubon

Reclamation and Fish and Wildlife Service staff conducted the annual joint review of the Audubon Refuge mitigation features on September 7, 2022. New agreement is with Region. Semi-annual meeting completed via Microsoft Teams.

Arrowwood

Garrison Diversion replaced fish barrier electrical wire connections. Semi-annual meeting completed via teams.

Scattered Tracts

The spring semi-annual coordination meeting is on March 14, 2023, at Lonetree. The final Memorandum of Agreement (MOA) to modify the 1986 agreement is going through the signature process and is with Fish and Wildlife Service. New agreement is with Region. Semi-annual meeting completed via Microsoft Teams.

March 31, 2023 - No. 13

NORTH DAKOTA

WATER USERS ASSOCIATION | WATER COALITION | WATER RESOURCE DISTRICTS ASSOCIATION | IRRIGATION ASSOCIATION

Legislative Report

Conference Committees Will Start Work on Bills

With the final revenue forecast of the session recently set, agency budgets and spending bills are quickly moving through appropriations committees and to their respective chambers for consideration. When passed, a bill goes to the second body for its consideration. If passed by the second body in the same form, the bill is enrolled, signed by presiding officers, and sent to the Governor. If the second body amends and then passes the bill, it is sent back to the first body for concurrence. If the first body does not concur, the presiding officers of both legislative bodies appoint a conference committee.

As we draw closer to adjournment, a bill's path to final adoption can get more complicated. Many of the major budget bills are the last bills finalized during the session, as common ground on funding or policy differences is sought between the chambers in conference committees. This will be especially true this session as members need to make cuts to appropriations bills in order to balance the budget.

A conference committee consists of six members, typically two majority members and one minority member chosen from each of the committees that heard the bill in the House and Senate. The conference committee makes recommendations on a uniform version of a bill to both houses, which must both approve the bill in the same form in order for it to be adopted and become law.

Water Funding

SB 2020 DWR/SWC Funding

Support

SB 2020 is the appropriations bill for the Department of Water Resources and State Water Commission. The bill appropriates funding into the buckets as follows:

Bucket	Amount
Salaries and operations	\$83.3M
Capital Assets (Resources Trust Fund \$\$)*	\$118M
--NAWS	--\$36M
--SWPP	--\$80M
--Devils Lake Outlet	--\$2M
Flood Control	\$114.6M

--Valley City	--\$13.2M
--Mouse River	--\$76.1M
--Lower Heart	--\$12.3M
--Other Flood Control	--\$5M
--Conveyance	--\$8M
Water Supply	\$283M
--Red River Valley Water Supply	--\$175M
--Western Area Water Supply	--\$40M
--Bismarck	--\$30M
--Municipal	--\$38M
Rural Water	\$40M
General Water	\$12M
Discretionary	\$1M
Red River Joint Board Pilot Project	\$1M
TOTAL	\$652.9M

The bill also includes:

- \$30M from the water stabilization fund for WAWS debt service (per SB 2196, likely to be removed as it was removed from SB 2196 by the House this week)
- A line of credit for NAWS and SWPP's water treatment plant project (total of \$100M)
- Legislative intent to provide 75% funding for the Red River Water Supply Project (approx. \$953M)
- Legislative intent for the Mouse River Flood Control Project (approx. \$380.5M)
- Language allowing the State Water Commission to use the remaining funds in the 21-23 discretionary bucket, as well as the 23-25 discretionary bucket, for a wide variety of expenses, including potentially non-project expenses
- Language allowing line transfers between the operating line and the capital assets line up to \$5M
- Funding for staff training and tools for the DWR's appropriations division
- Funding for the DWR's IT unification initiative
- Approval of three additional FTEs for the DWR

*The bill itself includes \$300.3M in the capitol assets line item. This includes the line of credit and authority to use federal funds for the NAWS project.

There was some discussion this week of potential available this week. The House has removed the \$30 M in loan forgiveness for WAWS that was in SB 2196. Additionally, there was an error in the capital assets and operating line items when it came over from the Senate that results in an additional \$24.6 M. Adding that additional revenue and subtracting the reduction in \$10.2 M

due to revised revenue forecasts results in the potential for an additional \$44.4 M in revenue that could be allocated into buckets. Additional information provided to the division is available [here](#).

The Division anticipates finalizing this bill next Monday or Tuesday.

Heard, House Appropriations Education and Environment Division, March 14

SB 2017 Game and Fish Department

Support

SB 2017 is the appropriations bill for the Game and Fish Department, including funding for aquatic nuisance species prevention. The Senate Appropriations Committee received a report from the Game and Fish Department on the Governor's budget proposal for the department. The Governor's proposed budget recommends funding for the Game and Fish's aquatic nuisance species (ANS) line item totaling almost \$3 million. This includes funding for 1 FTE as well as seasonal workers. The almost \$1.5 million increase from current funding will come from federal funds from the US Army Corps of Engineers and additional funding from the Game and Fish Department. This funding will be for more inspection facilities and activities. The Governor's proposal also includes \$850,000 for an aquatic nuisance species lab and storage facility in Jamestown. The Water Users testified regarding the importance of funding ANS prevention activities. The bill as passed by the Senate includes full funding for the ANS requests. The bill was heard in front of the House Appropriations Government Operations Division on Wednesday, March 8. The division worked on the bill several times and seems supportive of keeping the ANS funding intact.

Committee work, House Appropriations Government Operations Division, March 31

HB 1286 Oil Tax Trigger

Monitor

HB 1286 would remove the trigger which increases the tax rate paid when oil prices get above \$90 per barrel for three consecutive months. The trigger was reached this summer and resulted in greater than expected revenue in the Resources Trust Fund, among other state government funds. This bill was amended to clarify the portion of the tax paid to the Three Affiliated Tribes. The Senate committee passed the bill to the floor with no committee recommendation, an unusual motion. The committee was evenly split on the bill thus the no committee recommendation was the only motion that could get a majority of the committee.

Passed, Senate, 36-10, March 22

HB 1385 Tribal Eligibility for SWC Funds

Support

HB 1385 would include tribes in the list of entities eligible for cost share from the State Water Commission. The ND Water Users Association testified in favor of this bill. The Senate passed the bill unanimously. There was a ceremonial signing ceremony on March 30 that the ND Water Users participated in. Pictures are attached to this report.

Signed by the Governor, March 27

SB 2196 WAWS Oversight and Loans and NAWS Line of Credit

Support

SB 2196 would move oversight of WAWS from the Industrial Commission to the State Water Commission. It also provides for forgiveness of some WAWS loans and stipulates that interest on WAWS loans should be the same as what other North Dakota governmental entities receive. The bill also renews the line of credit available for NAWS. The North Dakota Water Users

submitted testimony in favor of SB 2196. The Department of Water Resources asked the bill to be amended to remove the reference to the NAWS line of credit as that is now included in SB 2020. The committee amended the bill to remove the loan forgiveness authorized in the bill and gave the bill a do pass recommendation as amended.

Passed (with amendment), House, 81-10, March 27

Water Resource Districts

HB 1073 Operations Plans for Dams

Monitor

HB 1073 removes an existing requirement that operators of dams submit an operating plan to the Department of Water Resources.

Signed by the Governor, March 15

HB 1076 Permit Thresholds for Dams and Dikes

Support

HB 1076 creates a tiered regulatory framework for dikes based on what the dike is protecting and not a specified volume. It does this by eliminating the requirement for a professional engineer for the construction of agricultural dikes and farmstead ring dikes, increasing the threshold for requiring a construction permit for an agricultural dike from 50 acre-feet volume protected to 80 acres or more protected area, and requiring construction permits for construction of municipal dikes if they are protecting residences or occupied structures. HB 1076 was heard by the House Energy and Natural Resources Committee and was given a 'do pass' recommendation. The Water Resource Districts Association submitted testimony in favor of the bill.

Passed, Senate, 45-0, March 21

HB 1239 Subsurface Drainage Notification

Support

HB 1239 would renew legislation passed during the 2021 session that requires landowners to notify water resource districts when they are conducting a subsurface drain project that is under 80 acres. The notification requirement that was passed in 2021 will sunset if this legislation does not pass. The ND Water Resource Districts Association and several agriculture groups testified in favor of this bill. The committee amended this bill to add an emergency clause and gave the bill a 'do pass' recommendation. The Senate committee heard this bill. There were questions raised about exempting farmyards from the notification requirement. The committee was interested in looking at that issue further. The Senate Ag Committee added an amendment to the bill that exempts projects under 15 acres from notification. After amending the bill, the committee gave the bill a 'do pass recommendation'.

Do pass as amended recommendation, Senate Agriculture Committee, 4-2, March 30

HB 1391 Assessment Authorities

Support

HB 1391 would require water resource districts publish and distribute meeting minutes within 72 hours after a meeting. It would also alter the trigger for when projects that are cleaning or repairing a drain have to go to a public vote. Currently, these projects only go to a vote when the cost of the project, minus dollars received for sources other than annual levies, exceeds the amount the board receives over six years in annual levies. This proposal would require projects that cost more than that six-year max, regardless of other funds, to go to a vote. The ND Water

Resource Districts Association and ND Water Users Association, along with several water managers testified in opposition to this bill. The committee amended this bill to remove the section dealing with assessment votes. It also changed the meeting minutes section to stipulate that the board will publish in a newspaper or put on a website draft meeting minutes 10 days after a meeting. The bill passed as amended unanimously. This bill was heard on the Senate side on March 10. Minimal amendments were made to the bill to clarify that the minutes could be draft or unofficial minutes and that the appeal period begins after minutes are published. The bill was given a 'do pass as amended' recommendation.

Do pass as amended recommendation, Senate Agriculture Committee, 6-0, March 31

HB 1462 Appeals from a Local Governing Body

Oppose

HB 1462 would require a local board to serve a decision of the board on every entity impacted by a decision. Additionally, it would clarify the ability for the court to award attorney's fees if a board loses an appeal at the district court level. The ND Water Resource Districts Association and League of Cities testified in opposition to this bill. The committee adopted an amendment to require only water boards to serve notice via three publications, once per week over three weeks, in the county newspaper where the decision is made and mail a copy of the decision to any "aggrieved person". The amendment also removes the attorney's fees section. The House floor passed the bill as amended, sending it over to the Senate side. The bill received a 'do not pass' recommendation from the committee.

Failed, Senate, 46-0, March 30

SB 2036 Drainage Statute Clean Up

Support

SB 2036 is the clean-up bill put together by the interim drainage committee. This bill combines the current two chapters of code that deal with assessment projects into one chapter and makes some updates to the assessment process. The committee made a slight amendment to the bill to update a reference to the Department of Water Resources and fix a drafting error. The Senate passed the bill unanimously. The bill was heard on March 2 with both the DWR and the Water Resource Districts Association offering amendments to the bill. Amendments are still being prepared on the bill. The committee added amendments and gave the bill a 'do pass recommendation'.

Do pass as amended recommendation, House Energy and Natural Resources Committee, 13-0, March 30

SB 2326 Economic Analysis Threshold for SWC Cost Share

Support

SB 2326 would clarify that the State Water Commission could only require an economic analysis on flood control and water conveyance projects above \$1 million. This would remove the SWC's ability to lower that threshold via policy as is current practice. The committee add an amendment to reduce the threshold to \$500,000 and gave the bill a 'do pass recommendation'.

Do pass as amended recommendation, House Energy and Natural Resources Committee, 13-0, March 30

SB 2372 Watershed Districts

Monitor

SB 2372 would require the Department of Water Resources to establish boundaries for watershed districts and then require counties to appoint managers to the watershed districts.

The current drainage chapter of code, 61-16.1, would apply to watershed districts. The ND Water Resource Districts Association provided opposition testimony to SB 2372 and offered to work with interested parties on a possible amendment to encourage watershed-based management within the current water resource district model. The bill was amended to require participation in joint boards. The House committee took testimony on this bill with some opposition testimony. Amendments are being considered on this bill.

Heard, House Energy and Natural Resources Committee, March 16

Irrigation

HB 1020 2023-2025 SBARE Funding Priorities

Support

HB 1020 includes appropriations for NDSU Agriculture Research and Extension, including the 2023-2025 priorities for the State Board of Agricultural Research and Education (SBARE) priorities. SBARE priorities include infrastructure for the Nesson Valley Irrigation Research and Demonstration Project. The Irrigation Association submitted testimony in support of HB 1020. The House Appropriation's Government Operations Division gave this bill a 'do pass' recommendation, sending it to the full Appropriations Committee. The bill includes \$1.2 million for Nesson Valley. The full Senate Appropriations Committee received an overview of this bill. The Government Operations continued to work on the bill this week.

Heard, Senate Appropriations Government Operations Division, March 9

HB 1074 Informational Hearings related to Water Permit Applications

Support

HB 1074 clarifies that informational hearings related to water permit applications are more appropriately referred to as public hearings for the public to provide input to the Department of Water Resources. The Irrigation Association testified in support of this bill.

Signed by the Governor, March 15

HB 1075 Public Hearing on Water Permit Cancellations

Support

HB 1075 removes the requirement that the Department of Water Resources hold a public hearing on a water permit cancellation. Instead, the bill would institute a public notice and comment period to allow feedback on a cancellation. The DWR believes this change will speed up the cancellation process. The Irrigation Association testified in support of this bill. The bill passed the Senate unanimously.

Signed by the Governor, March 27

HB 1247 Property Tax Exemption for Elevators and Potato Warehouses

Monitor

HB 1247 would treat property that is zoned commercial property, but is now privately owned and houses a grain elevator or potato warehouse, as agricultural property for tax purposes. The committee could not get information on what impact this would have statewide and so asked for the issue to be studied. The bill was amended to ask for a study.

Signed by the Governor, March 20

Atmospheric Resources

HB 1166 Weather Modification

Oppose

HB 1166 would prohibit state cost share for weather modification unless counties adjoining the county conducting the activity agrees. The ND Weather Modification Association testified in opposition. The committee considered significant amendments to this bill. The bill as amended now completely removes the cost share for weather modification activities and restricts where weather modification activities can occur. The amendment also alters the process for reauthorizing weather modification in counties where it occurs. The bill passed the floor, 69-22. The Senate committee heard the bill with several amendments discussed. No action was taken on the bill. The Senate Agriculture committee amended the bill to remove the prohibition of cost share and clarify that reauthorization needs to occur via a public vote every four years. After amending the bill, the committee sent the bill to the floor with no committee recommendation.

Amended, sent to the floor with no committee recommendation, Senate Agriculture Committee, 6-0, March 30

Other Bills of Interest

HB 1038 Statute Technical Corrections

Monitor

HB 1038 updates one outdated reference to the Office of the State Engineer.

Signed by the Governor, March 23

HB 1072 Technical Corrections

Monitor

HB 1072 updates some references to the State Water Commission in the Atmospheric Resource Board's statutes.

Signed by the Governor, March 15

HB 1077 Water Storage Contracts

Support

HB 1077 adds a requirement that a federal agency completing a water storage contract with an entity within North Dakota must provide the Department of Water Resources a copy of the contract. The ND Water Users Association testified in support of this bill. The bill was amended to require entities to notify the DWR within 60 days of beginning discussions and keep in contact with the DWR throughout the negotiations.

Signed by the Governor, March 15

HB 1098 Floodplain Management Ordinances

Monitor

HB 1098 clarifies when communities that fail to adopt or enforce floodplain management ordinances are prohibited from receiving funds.

Signed by the Governor, March 15

HB 1118 Income Tax Credit

Monitor

HB 1118, as amended by the committee, would provide a \$800 tax credit for single filers and a \$1,600 tax credit for joint filers. It also establishes a flat tax rate of 1.9%.

Do not pass recommendation, Senate Finance and Tax Committee, 6-0, March 21

HB 1158 Income Tax Rate

Monitor

HB 1158 would lower the income tax rate to a flat 1.5%. The Senate Finance and Tax Committee significantly amended the bill to make a more comprehensive tax bill, passed the bill unanimously, and rereferred the bill to the Appropriations Committee. In its current form the bill combines initiatives to provide both income tax and property tax relief. Income tax relief is preferred by the House; property tax relief is preferred by the Senate. The bill received a 'do pass' recommendation from the Appropriations Committee.

Passed, Senate, 43-3, March 30

HB 1218 NAWS Authority

Monitor

HB 1218 would make the current Northwest Area Water Supply (NAWS) advisory committee an authority. It would also change the makeup of the Authority. The North Dakota Water Users submitted testimony in favor of HB 1218. The committee lowered the representation from Minot and gave the bill a do pass recommendation unanimously. The bill passed the House 91-0 on February 14. The Senate committee made a minor amendment and gave it a do pass recommendation.

Passed (with amendment), Senate, 46-1, March 7

HB 1379 Legacy Fund Earnings

Monitor

HB 1379 would change the current 'streams' that Legacy Fund earnings go into. Last session, the legislature established certain priorities that would be funded with Legacy Fund earnings. This would make a few changes to that, expanding priorities to include value-added agriculture, county and township bridges, and workforce development.

Heard, Senate Appropriations Committee, March 22

SB 2029 Caps for Emergency Commission and Budget Section Approvals

Monitor

SB 2029 changes the caps on approvals from the Emergency Commission and Budget Section. Last session, the legislature placed dollar amount caps on these approvals. This bill seeks to change that to a percent of the budget approved by the legislature. This bill was amended in committee to add an emergency clause. An emergency clause would allow the bill to come into effect sooner. The bill was given a do not pass recommendation from the House committee. The bill was sent back to committee by the House floor.

Rereferred to House Government and Veterans Affairs Committee, March 24

SB 2097 Wild and Scenic River Designations

Support

SB 2097 would require anyone seeking a wild, scenic or recreational river designation notify the department of water resources, the local water resource district and other interested state and local entities prior to seeking the designation. The North Dakota Water Users testified in support of this bill. The Senate committee amended the bill to add some legislators and grazing associations to the organizations that receive notification. The House committee added the Public Service Commission to the list of entities and gave the bill the a do pass recommendation.

Passed (with amendment), House, 92-0, March 20

SB 2113 Flexible Transportation Fund

Monitor

SB 2113 would create a flexible transportation fund to hold federal, state, or private dollars to fund road and bridge construction and maintenance and to match available federal funds. If

passed, it is anticipated that some motor vehicle excise tax dollars and general funds could be put in this fund.

Passed, House, 92-0, March 28

SB 2192 Term Limits

Monitor

SB 2192 would authorize an interim study to look at the impact term limits will have on the legislature and make recommendations to the next legislative assembly.

Signed by the Governor, March 22

SB 2251 Land Access for Eminent Domain Proceedings

Oppose

SB 2251 would require an entity to receive written permission, or a court order, to access a landowner's property to conduct surveys. The House committee gave it a do not pass recommendation. The bill failed on a tie vote on the floor.

Failed, House, 46-46, March 28

SB 2313 Legislative Management Study on Eminent Domain

Monitor

SB 2313 would direct a court to increase the damages award in an eminent domain case by 33% above what was established by the court. The bill was amended to request a study.

Failed, House, 40-51, March 28

SB 2330 Infrastructure Revolving Loan Fund

Monitor

SB 2330 makes changes to the way the Legacy Fund is invested. It changes the amount of investment made in North Dakota. Of interest to the water community, the bill makes changes to how the Infrastructure Revolving Loan Fund and the Water Infrastructure Revolving Loan Fund. In the 2021 session, legislation was passed to allow these loan fund to be backstopped by the Legacy Fund. This would have allowed the Bank of ND to utilize the Legacy Fund should there be more interest in the funds than the funds have available. SB 2330 removes the ability to use the Legacy Fund as a backstop for these funds. During testimony the bill sponsor indicated that there was a plan to find an alternative funding source to fund these programs. There was much testimony regarding the importance of the infrastructure loan funds. No action was taken by the committee.

Heard, House Finance and Tax Committee, March 14

SB 2364 Garrison Diversion Easements

Monitor

SB 2364 would limit the use of easements by the Garrison Diversion Conservancy District (GDCD) to building, operating, and maintaining water pipelines and would clarify that easements from GDCD can only be assigned from GDCD to the state. The ND Water Users testified in favor of this bill. The committee amended the bill to clarify that easements would first pass to a local water authority before going to state. The amended bill was given a 'do pass' recommendation. The House committee heard the bill and additional amendments are in the works. The bill was amended to include non-pipeline components of the project. The committee brought the bill back and made some further amendments. They gave it a do pass as amended recommendation.

Passed (with amendment), House, 91-0, March 28

SB 2359 Tax Levies to Pay for Special Assessments**Monitor**

SB 2359 would remove the levy limitation to cover the costs of land acquisitions. It also requests a legislative management study studying the impact of political subdivisions levying special assessments against other political subdivisions and the overall impact on taxpayers. This bill was amended in committee to remove the levy limitation section but maintain the study. After amending, the committee gave the bill a do pass recommendation.

Signed by the Governor, March 13

Hearing Schedule (April 3-7)

No hearings are scheduled, but various bills will likely be worked on and potentially passed by committees in committee work throughout the week. SB 2020 will likely be passed out of division early next week.

How to Submit Testimony This Session

During this Legislative Session, individuals and organizations still can [testify](#) at committee hearings both in person and virtually. This session, however, the permitting of virtual testimony is left to the discretion of each committee chairperson. An instructional video on how to submit written and oral testimony remotely in a committee hearing is available on the Legislative Branch [website](#). To view the video, [click here](#).

How to Contact Your Legislators

During the session, legislators can be reached by email, phone or mail as listed in the legislator's online bio: [Senate](#) or [House](#). Detailed information on legislative activities is available on the [Legislative Assembly website](#).

Legislative Calendar

- May 4: Final day of session (limited to 80 legislative days)

For more details, check out the complete list of [legislative deadlines](#).

Garrison Diversion Conservancy District Combined Statement of Revenues and Expenses For the Three Months Ended March 31, 2023						
	General Fund	Municipal Rural, and Industrial Fund	Operations Maintenance Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
Beginning Bank Balance	\$8,320,277	\$4,595	\$380,008	\$249,723	\$172,668	\$9,127,271
Revenues:						
Irrigation Admin						-
Lease Income						-
Revenue from Sale of Fixed Assets						-
Miscellaneous Income					364	364
Interest Income	38,238	173	380		1,059	39,850
Tax Levy	3,825,363					3,825,363
State Aid Distribution	74,059					74,059
Contract Revenue	7,554	7,102,664	1,109,738	3,408,850	73,628	11,702,434
Non-Project Income			20,223			20,223
Total Revenues	\$3,945,214	\$7,102,837	\$1,130,341	\$3,408,850	\$75,051	\$15,662,293
Expenditures:						
Director Expense	44,725					44,725
Employee Expense	302,513	17,537	571,614			891,664
Administrative Expense	67,922	12,079	21,364			101,365
Public Education	45,172					45,172
Professional Services	77,688		96,640	42,031		216,359
Irrigation Development	203,427					203,427
Water Supply Projects	40,000					40,000
GDCD Recreation Project	257,491					257,491
DWRA Recreation Project	367					367
Maintenance & Repairs	8,305		266,775		96,721	371,801
Capital Purchases	3,954		76,976			80,930
Construction in Progress				1,475,496		1,475,496
MR&I Project Expenses		7,068,172				7,068,172
Principal Debt Payments						-
Interest Payments						-
Total Expenditures *	\$ 1,051,564	\$ 7,097,788	\$ 1,033,369	\$ 1,517,527	\$ 96,721	\$ 10,796,969
Transfer In/Out	131,855	(4,875)	(126,980)	-	-	\$ -
Revenues Over Expenditures	\$ 3,025,505	\$ 174	\$ (30,008)	\$ 1,891,323	\$ (21,670)	\$ 4,865,324
Net Change in Assets	8,113		2,862	121	(713)	\$ 10,383
Ending Bank Balance	\$ 11,353,895	\$ 4,769	\$ 352,862	\$ 2,141,167	\$ 150,285	\$ 14,002,978

* Depreciation not reflected

GARRISON DIVERSION CONSERVANCY DISTRICT				
INCOME BUDGET ANALYSIS STATEMENT				
For the Three Months Ended March 31, 2023				
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2023	Income Received to March-23	Percentage of Amount Budgeted	Balance of 2023 Budget
Irrigation Admin	\$ 950	\$ -	0.0%	\$ 950
Lease Income	\$ -	\$ -	0.0%	\$ -
Miscellaneous Income	\$ -	\$ 364	0.0%	\$ (364)
Revenue Sale of Fixed Assets	\$ -	\$ -	0.0%	\$ -
Interest Income	\$ 33,120	\$ 39,850	120.3%	\$ (6,730)
Tax Levy	\$ 3,650,000	\$ 3,825,363	104.8%	\$ (175,363)
State Aid	\$ 180,000	\$ 74,059	41.1%	\$ 105,941
General Fund Contract Revenue	\$ 70,000	\$ 7,554	10.8%	\$ 62,446
O&M Contract Revenue	\$ 4,890,000	\$ 1,109,738	22.7%	\$ 3,780,262
MR&I Contract Revenue	\$ 20,257,975	\$ 7,102,664	35.1%	\$ 13,155,311
RRVWSP Contract Revenue	\$ 25,400,000	\$ 3,408,850	13.4%	\$ 21,991,150
Irrigation Fund Revenue	\$ 828,005	\$ 73,628	8.9%	\$ 754,377
Project Revenue	\$ -	\$ -	0.0%	\$ -
Non-Project Revenue	\$ 217,000	\$ 20,223	9.3%	\$ 196,777
Total Revenues	\$55,527,050	\$15,662,293	28.2%	\$39,864,757

GARRISON DIVERSION CONSERVANCY DISTRICT						
Expense Budget Analysis Statement						
For the Three Months Ended March 31, 2023						
General, O&M MR&I, RRVWSP, and Irrigation Funds	Budget for 2022	Expenditures Charged to 2022 Budget	Budget for 2023	Expenditures to Mar-23	Percentage Spent Amount Budgeted	Balance of Budget
Expenses						
Director Expenses	\$ 270,000	\$ 235,483	\$ 221,000	44,725	20.2%	\$ 176,275
Employee Expenses	\$ 3,746,366	\$ 3,350,365	\$ 3,508,000	891,664	25.4%	\$ 2,616,336
Administrative Expenses	\$ 431,335	\$ 317,442	\$ 452,500	101,365	22.4%	\$ 351,135
Public Education	\$ 151,840	\$ 135,407	\$ 157,000	45,172	28.8%	\$ 111,828
Professional Services	\$ 3,515,225	\$ 2,902,287	\$ 2,637,000	216,359	8.2%	\$ 2,420,641
Irrigation Development	\$ 911,200	\$ 881,346	\$ 260,875	203,427	78.0%	\$ 57,448
Water Supply Program	\$ 300,000	\$ 98,614	\$ 300,000	40,000	13.3%	\$ 260,000
GDCD Recreation Grant Program	\$ 600,000	\$ 541,988	\$ 850,000	257,491	30.3%	\$ 592,509
DWRA Recreation Program	\$ 10,000	\$ 4,512	\$ 10,000	367	3.7%	\$ 9,633
Irrigation District Expense	\$ 2,000	\$ -	\$ 2,000	-	0.0%	\$ 2,000
Maintenance & Repairs	\$ 1,611,040	\$ 1,187,209	\$ 1,794,100	371,801	20.7%	\$ 1,422,299
Capital Purchases	\$ 1,056,000	\$ 963,831	\$ 495,000	80,930	16.3%	\$ 414,070
Construction in Progress	\$ 27,950,000	\$ 27,977,251	\$ 24,000,000	1,475,496	6.1%	\$ 22,524,504
MR&I Fund	\$ 27,000,000	\$ 25,292,604	\$ 20,000,000	7,068,172	35.3%	\$ 12,931,828
Principal on Debt Repayment	\$ 479,831	\$ 479,483	\$ 315,000	-	0.0%	\$ 315,000
Interest on Debt Repayment	\$ 68,660	\$ 68,656	\$ 67,000	-	0.0%	\$ 67,000
Total Expenses	\$ 68,103,497	\$ 64,436,478	\$ 55,069,475	10,796,969	19.6%	\$ 44,272,506
Transfers In/Out						
MR&I	\$ 20,000	\$ 20,311	\$ 23,000	4,875	21.2%	\$ 18,125
O&M	\$ 972,340	\$ 886,658	\$ 920,000	126,980	13.8%	\$ 793,020
Irrigation	\$ -	\$ -	\$ -	-	0.0%	\$ -
RRVWSP	\$ (1,451,491)	\$ (1,368,042)	\$ -	-	0.0%	\$ -
Total Transfers Out	\$ (459,151)	\$ (461,073)	\$ 943,000	131,855	14.0%	\$ 811,145
Total Expenses & Transfers Out	\$ 67,644,346	\$ 63,975,405	\$ 56,012,475	10,928,824	19.5%	\$ 45,083,651

GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES STATEMENT March 31, 2023	
OPERATING RESERVE	
Operating Reserve authorized to be established in the amount of \$300,000.00 per resolution of the Board dated January 15, 1970. Limit changed to \$330,000 by Board action on January 6, 1995. Reserve cap removed by Board action July 2, 1997.	\$5,609,737.36
O&M EMERGENCY RESERVE	
O&M Emergency Reserve to be established in the amount of \$500,000.00 by Article 13 (a) of the Master Contract and by action taken by the Board dated January 16, 1970. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$822,817.55 by Board action July 2, 1997.	750,000.00
DEFICIENCY RESERVE	
Deficiency Reserve to be established in the amount of \$750,000.00 by Article 13 (b) of the Master Contract. Limit changed to \$1,500,000.00 July 1980. Reserve capped at \$802,287.54 by Board action July 2, 1997.	750,000.00
PROJECT DEVELOPMENT RESERVE	
Project Development Reserve to be established in the amount of \$750,000.00 by resolution of the Board dated July 17, 1969. Limit changed to \$1,000,000.00 July 1982. Reserve capped at \$915,592.98 by Board action July 2, 1997.	915,592.98
TOTAL GARRISON DIVERSION CONSERVANCY DISTRICT RESERVES	\$8,025,330.34

Garrison Diversion Conservancy District				
Funds in Bank of North Dakota				
March 31, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	Checking Account	0.52%		\$ 211,936.53
General	Water Assistance Grant Matching	0.52%		\$ 87,117.00
General	Money Market Deposit Account	0.52%		\$ 6,988,487.04
General	Water Assistance Grant Reserve	0.52%		\$ 632,738.70
General	Accrued Leave-Operating Reserve	0.52%		\$ 179,559.71
Total Deposits				\$ 8,099,838.98

Garrison Diversion Conservancy District				
Funds in First International Bank & Trust				
March 31, 2023				
Fund	Account Name/Reserve	Interest Rate	Maturity Date	Balance
General	CD 119070-Operating Reserve	0.50%	04/17/23	\$ 820,000.00
General	CD 118954	0.50%	04/19/23	\$ 500,000.00
General	CD 119130	0.50%	05/18/23	\$ 1,000,000.00
General	CD 118850-Operating Reserve	0.40%	07/20/23	\$ 50,500.00
General	CD 119210	2.00%	09/09/23	\$ 2,500,000.00
General	CD 80120161	2.25%	09/19/23	\$ 1,000,000.00
General	CD 119245	2.25%	09/30/23	\$ 1,000,000.00
General	CD 118955-Project Development	4.05%	10/19/23	\$ 350,000.00
General	CD 119434-Deficiency Reserve	0.50%	11/30/23	\$ 175,854.00
General	CD 118849-Deficiency Reserve	0.40%	01/29/24	\$ 200,000.00
General	CD 80120162	2.35%	03/19/24	\$ 1,000,000.00
General	CD 80120163	2.50%	09/19/24	\$ 1,000,000.00
General	CD 118848-O&M Emergency Res.	4.10%	04/29/24	\$ 350,000.00
General	CD 119561-O&M Emergency Reserve	4.10%	05/01/24	\$ 83,682.45
Total Investments				\$ 10,030,036.45
General	Recreation Matching-Operating Reserve	2.00%		\$ 1,902,608.73
General	Money Market Funds	2.00%		\$ 24,234.12
General	Recreation Reserve-Operating Reserve	2.00%		\$ 1,327,213.22
Total Money Market Funds				\$ 3,254,056.07
Total Deposits				\$ 13,284,092.52
Pledging	Total Deposits			\$ 13,284,092.52
	Less: FDIC Coverage			(250,000.00)
	Deposit Balance to Secure			13,034,092.52
	Less: Pledging			16,624,375.05
Pledging Excess				\$ 3,590,282.53

BREMER BANK DEPOSIT AND PLEDGING SUMMARY March 31, 2023					
<i>Account Type</i>	<i>Balance</i>	<i>Interest Rate</i>	<i>Maturity Date</i>	<i>Deposit Insurance / Pledging Status</i>	
Demand Deposit Accounts					
Non-Interest Bearing Checking Accounts				Total Demand Deposits	\$2,494,032.82
				Less: FDIC Insurance Coverage	250,000.00
xxxx61	Operations & Maintenance Fund	352,864.29	0.00%	Demand Deposit Balance to Secure	\$2,244,032.82
xxxx52	Red River Valley Water Supply	2,141,168.53	0.00%	x 110%	1.10
Total Demand Deposits				Pledging Required on Demand Deposits	\$2,468,436.10
Time and Savings Deposits					
Interest Bearing Checking					
xxxx34	Irrigation Fund	150,286.78	0.45%		
xxxx62	M R & I Working Fund	4,767.88	0.45%		
Total Interest Bearing Checking Balance				155,054.66	
Savings Accounts					
xxxx41	O&M - Accrued Leave Reserve	154,178.72	1.00%		
xxxx63	Irrigation - Debt Service Reserve	289,378.66	1.00%		
Total Savings Balance				443,557.38	
Certificates of Deposit					
xxx907-1	Certificate of Deposit-Operating Reserve	542,000.00	4.00%	3/1/2024	
xxx906-1	Certificate of Deposit-Deficiency Reserve	250,000.00	4.00%	3/1/2024	
xxxx803-1	Certificate of Deposit	1,000,000.00	0.75%	4/11/2023	
xxx591-1	Certificate of Deposit-OM Emergency Res.	210,000.00	0.35%	4/24/2023	
xxxx106	Certificate of Deposit-OM Emergency Res.	106,317.55	0.80%	5/22/2023	
xxxx933-1	Certificate of Deposit-Project Dev Reserve	313,538.98	0.35%	8/30/2023	
xxxx0394	Certificate of Deposit-Operating Reserve	47,000.00	0.65%	2/20/2024	
xxxx8862	Certificate of Deposit-Project Dev Reserve	252,054.00	0.65%	2/24/2024	Total Time & Savings Deposit Account Balance
xxxx1061	Certificate of Deposit-Deficiency Reserve	124,146.00	0.65%	2/24/2024	Less: FDIC Insurance Coverage
Total CD Balance				2,845,056.53	
Total Time & Savings Deposit Account Balance				\$3,443,668.57	
Total Deposits				\$5,937,701.39	
				Total Time & Savings Deposit Balance to Secure	\$3,193,668.57
				x 110%	1.10
Total Time & Savings Deposit Account Balance				Pledging Required on Time & Savings Deposits	\$3,513,035.43
Total Deposits				Total Pledging Required on all Deposits	\$5,981,471.53
				Pledged Security at Wells Fargo	\$9,435,068.00
				Pledging Excess	\$3,453,596.47

GARRISON DIVERSION CONSERVANCY DISTRICT						
Tax Collections Statement						
For Three Months Ending March 31, 2023						
County	2023 Tax Levy Budget	2023 Tax Collections	Balance of Tax Levy Budget	2023 State Aid Budget	2023 State Aid	Balance State Aid Budget
Barnes	\$77,000	\$79,752	(2,752)	\$4,000	\$1,580	\$2,420
Benson	32,000	32,411	(411)	3,000	1,082	\$1,918
Bottineau	55,000	56,056	(1,056)	3,000	1,306	\$1,694
Burleigh	490,000	551,146	(61,146)	22,000	9,163	\$12,837
Cass	904,000	1,001,066	(97,066)	42,000	17,756	\$24,244
Dickey	41,000	39,238	1,762	3,000	1,280	\$1,720
Eddy	13,000	14,333	(1,333)	2,000	712	\$1,288
Foster	27,000	26,824	176	5,000	2,133	\$2,867
Grand Forks	290,000	296,007	(6,007)	9,000	3,695	\$5,305
Griggs	19,000	19,070	(70)	2,000	711	\$1,289
LaMoure	40,000	40,213	(213)	3,000	1,285	\$1,715
McHenry	46,000	40,864	5,136	2,000	752	\$1,248
McKenzie	321,000	319,009	1,991	23,000	9,497	\$13,503
McLean	75,000	76,151	(1,151)	6,000	2,485	\$3,515
Nelson	24,000	24,685	(685)	2,000	692	\$1,308
Pierce	31,000	30,392	608	2,000	927	\$1,073
Ramsey	57,000	58,102	(1,102)	4,000	1,708	\$2,292
Ransom	36,000	35,506	494	-	-	\$0
Renville	22,000	22,150	(150)	2,000	826	\$1,174
Richland	95,000	96,655	(1,655)	-	-	\$0
Sargeant	34,000	36,955	(2,955)	2,000	870	\$1,130
Sheridan	14,000	14,671	(671)	3,000	1,222	\$1,778
Steele	28,000	28,346	(346)	2,000	595	\$1,405
Stutsman	120,000	121,455	(1,455)	6,000	2,579	\$3,421
Traill	53,000	56,336	(3,336)	3,000	1,183	\$1,817
Ward	302,000	312,816	(10,816)	15,000	6,191	\$8,809
Wells	40,000	40,799	(799)	3,000	1,054	\$1,946
Williams	364,000	354,355	9,645	7,000	2,775	\$4,225
Totals	\$ 3,650,000	\$3,825,363	\$ (175,363)	\$ 180,000	\$ 74,059	\$ 105,941

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For Three Months Ended March 31, 2023						
	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 03/31/2023	Balance of Budget as of 03/31/2023	Percentage of Budget Spent
GENERAL FUND						
Directors Expense						
Directors Per Diem	\$130,000	\$120,037	\$133,000	\$23,015	\$109,985	17.3%
Directors Expense	\$140,000	\$115,445	\$88,000	\$21,710	\$66,290	24.7%
Total Directors Expense	\$270,000	\$235,482	\$221,000	\$44,725	\$176,275	20.2%
Employee Expense						
Employee Salaries	822,000	\$780,874	908,000	\$207,575	\$700,425	22.9%
General Manager Exp	35,000	\$15,160	21,000	\$2,303	\$18,697	11.0%
Travel	61,000	33,344	61,000	6,541	54,459	10.7%
Admn Officer - Merri Mooridian	25,000	\$17,711	25,000	\$5,412	\$19,588	21.6%
Dist. Engr - Kip Kovar	10,000	\$6,490	10,000	\$210	\$9,790	2.1%
Engineer - Ryan Anderson	5,000	\$1,901	5,000	\$225	\$4,775	4.5%
Dir. Comm. - Kim Cook	6,000	\$1,363	6,000	\$322	\$5,678	5.4%
Emp Exp Other	15,000	\$5,879	15,000	\$372	\$14,628	2.5%
Professional Development	17,000	5,500	17,000	538	\$16,462	3.2%
Employee Training	15,000	\$5,500	15,000	\$538	\$14,462	3.6%
Wellness Program	2,000	\$0	2,000	\$0	\$2,000	0.0%
Benefits	406,000	332,717	427,000	85,556	\$341,444	20.0%
GDCD FICA	72,000	\$64,927	79,000	\$17,355	\$61,645	22.0%
Retirement	117,000	\$111,743	129,000	\$29,686	\$99,314	23.0%
Hospital & Life Insurance	177,000	\$136,698	175,000	\$33,888	\$141,112	19.4%
Unemployment Comp	1,000	\$307	1,000	(\$90)	\$1,090	-9.0%
Dental / Vision Ins.	14,000	\$11,637	14,000	\$2,869	\$11,131	20.5%
Work Force Safety	1,000	\$307	1,000	(\$27)	\$1,027	-2.7%
Long-Term Disability Ins	9,000	\$7,098	10,000	\$1,875	\$8,125	18.8%
Vacation/Sick Leave Liability	15,000	\$0	18,000	\$0	\$18,000	0.0%
Total Employee Expense	1,341,000	1,167,595	1,434,000	\$302,513	\$1,131,487	21.1%
Administration						
Postage	\$7,000	\$3,057	\$6,000	\$1,028	\$4,972	17.1%
Communications	\$31,000	\$14,124	\$16,000	\$3,308	\$12,692	20.7%
Utilities	\$34,000	\$31,989	\$33,000	\$10,824	\$22,176	32.8%
Meetings & Events	\$10,000	\$8,602	\$5,000	\$1,931	\$3,069	38.6%
Subscriptions/Publications	\$6,000	\$5,850	\$6,000	\$2,020	\$3,980	33.7%
Miscellaneous	\$6,000	\$2,916	\$4,000	\$361	\$3,639	9.0%
Data Processing	\$23,000	\$20,270	\$20,000	\$3,822	\$16,178	19.1%
Employee Recruiting	\$5,000	\$0	\$5,000	\$0	\$5,000	0.0%
Supplies	\$18,000	\$10,135	\$14,000	\$1,884	\$12,116	13.5%
Small Office Equipment	\$14,200	\$10,886	\$20,000	\$1,460	\$18,540	7.3%
Dues	\$15,000	\$11,528	\$14,000	\$9,372	\$4,628	66.9%
Insurance	\$15,800	\$15,509	\$14,000	\$4,362	\$9,638	31.2%
Annual Independent Audit	\$33,500	\$31,118	\$36,500	\$27,550	\$8,950	75.5%
Total Administration	\$218,500	\$165,984	\$193,500	\$67,922	\$125,578	35.1%
Public Education						
GDCD Tours	\$10,000	\$5,000	\$10,000	\$0	\$10,000	0.0%
ND Water Users Ass'n Dues	\$20,000	\$0	\$20,000	\$20,000	\$0	100.0%
ND Water Coalition Dues	\$14,000	\$20,000	\$14,000	\$14,000	\$0	100.0%
ND Water Magazine	\$18,000	\$14,000	\$18,000	\$10,000	\$8,000	55.6%
Missouri River Joint Board	\$71,090	\$18,000	\$15,000	\$0	\$15,000	0.0%
Upper Sheyenne	\$0	\$71,061	\$50,000	\$0	\$50,000	0.0%
Conference Booth Fees, Sponsorships	\$9,750	\$6,940	\$20,000	\$1,172	\$18,828	5.9%
Miscellaneous	\$9,000	\$406	\$10,000	\$0	\$10,000	0.0%
Total Public Education	\$151,840	\$135,407	\$157,000	\$45,172	\$111,828	28.8%

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For Three Months Ended March 31, 2023						
	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 03/31/2023	Balance of Budget as of 03/31/2023	Percentage of Budget Spent
Professional Services						
Communications	\$160,000	\$109,375	\$140,000	\$15,335	\$124,665	11.0%
Engineering	\$125,000	\$43,248	\$125,000	\$1,133	\$123,867	0.9%
RRVWSP Development	\$309,000	\$65,640	\$316,000	\$13,224	\$302,776	4.2%
Technical Support for LAWA	\$0	\$0	\$15,000	\$0	\$15,000	0.0%
Engineering	\$100,000	\$7,494	\$100,000	\$41	\$99,959	0.0%
Legal	\$133,000	\$51,674	\$125,000	\$11,934	\$113,066	9.5%
Financial	\$10,000	\$0	\$10,000	\$0	\$10,000	0.0%
Consultants	\$50,000	\$0	\$50,000	\$0	\$50,000	0.0%
Meeting, Misc. Exp	\$16,000	\$6,472	\$16,000	\$1,249	\$14,751	7.8%
Prof Services Other	\$30,000	\$22,793	\$45,000	\$0	\$45,000	0.0%
Legal Services	\$215,000	\$142,762	\$188,000	\$47,996	\$140,004	25.5%
Total Professional Services	\$839,000	\$383,818	\$814,000	\$77,688	\$736,312	9.5%
Irrigation Development						
ND Irrigation Association	\$50,000	\$50,000	\$50,000	\$0	\$50,000	0.0%
NDSU Oakes Irrigation Site	\$202,575	\$174,680	\$167,875	\$187,050	(\$19,175)	111.4%
Robert Titus Lease	\$16,625	\$16,484	\$17,000	\$16,083	\$917	94.6%
Irrigation Development	\$642,000	\$640,183	\$26,000	\$294	\$25,706	1.1%
Total Irrigation Development	\$911,200	\$881,347	\$260,875	\$203,427	\$57,448	78.0%
Recreation						
GDCD Recreation Grant Program	\$600,000	\$541,988	\$850,000	\$257,491	\$592,509	30.3%
DWRA Recreation Program	\$10,000	\$4,512	\$10,000	\$367	\$9,633	3.7%
Total Recreation	\$610,000	\$546,500	\$860,000	\$257,858	\$602,142	30.0%
Water Supply Grant Program	\$300,000	\$98,614	\$300,000	\$40,000	\$260,000	13.3%
Irrigation Districts Expense						
Irrigation Districts	\$2,000	\$0	\$2,000	\$0	\$2,000	0.0%
Total Irrigation Districts Expense	\$2,000	\$0	\$2,000	\$0	\$2,000	0.0%
Maintenance & Repair						
Equipment Maintenance	\$31,000	\$30,543	\$27,000	\$4,125	\$22,875	15.3%
Small Yard Equipment Purchases	\$0	\$0	\$5,000	\$0	\$5,000	0.0%
Land & Bldg Maintenance	\$40,000	\$39,476	\$35,000	\$846	\$34,154	2.4%
Auto Expense	\$15,000	\$13,462	\$15,000	\$3,334	\$11,666	22.2%
Total Maintenance & Repair	\$86,000	\$83,481	\$82,000	\$8,305	\$73,695	10.1%
Capital Purchases						
Office Equip & Furniture	\$181,000	\$177,157	\$20,000	\$0	\$20,000	0.0%
Yard Equipment	\$30,000	\$29,899	\$20,000	\$0	\$20,000	0.0%
Vehicle	\$60,000	\$57,786	\$40,000	\$0	\$40,000	0.0%
Land and Buildings	\$110,000	\$106,399	\$15,000	\$3,954	\$11,046	26.4%
Total Capital Purchases	\$381,000	\$371,241	\$95,000	\$3,954	\$91,046	4.2%
Total General Fund	\$5,110,540	\$4,069,469	\$4,419,375	\$1,051,564	\$3,367,811	23.8%

GARRISON DIVERSION CONSERVANCY DISTRICT EXPENSE BUDGET ANALYSIS STATEMENT For Three Months Ended March 31, 2023						
	Budget 1/1/22 to 12/31/22	Expenditures Chargeable to 2022 Budget	Budget 1/1/23 to 12/31/23	2023 Actual as of 03/31/2023	Balance of Budget as of 03/31/2023	Percentage of Budget Spent
IRRIGATION FUND						
McClusky Canal Irrigation:	\$722,800	\$536,062	\$446,100	\$96,721	\$349,379	21.7%
Construction	\$290,000	\$261,007	\$0	\$0	\$0	0.0%
Operations	\$432,800	\$275,055	\$446,100	\$96,721	\$349,379	21.7%
Debt Payments	\$217,000	\$216,648	\$382,000	\$0	\$382,000	0.0%
Principal	\$171,630	\$171,282	\$315,000	\$0	\$315,000	0.0%
Interest	\$45,370	\$45,366	\$67,000	\$0	\$67,000	0.0%
Total Irrigation Fund	\$939,800	\$752,710	\$828,100	\$96,721	\$731,379	11.7%
GDU O & M						
Salaries and Benefits	\$2,247,266	\$2,070,155	\$1,921,000	\$535,701	\$1,385,299	27.9%
Salaries	\$1,446,050	\$1,366,860	\$1,183,000	\$356,360	\$826,640	30.1%
Benefits	\$801,216	\$703,295	\$738,000	\$179,341	\$558,659	24.3%
Travel	\$17,115	\$7,099	\$14,000	\$1,585	\$12,415	11.3%
Training	\$9,000	\$0	\$4,000	\$3,239	\$761	81.0%
Utilities	\$87,000	\$79,965	\$93,000	\$19,342	\$73,658	20.8%
Contractual Services	\$2,066,225	\$2,004,988	\$423,000	\$96,640	\$326,360	22.8%
Supplies	\$624,000	\$552,792	\$225,000	\$92,003	\$132,997	40.9%
Capital Purchases	\$385,000	\$296,614	\$400,000	\$76,976	\$323,024	19.2%
Small Equipment Purchases	\$0	\$0	\$11,000	\$0	\$11,000	0.0%
Equipment Rental	\$0	\$0	\$50,000	\$0	\$50,000	0.0%
Equipment Maintenance	\$236,240	\$196,809	\$505,000	\$37,411	\$467,589	7.4%
Safety	\$58,985	\$33,676	\$53,000	\$31,089	\$21,911	58.7%
Miscellaneous	\$22,000	\$14,435	\$13,000	\$2,022	\$10,978	15.6%
Materials	\$232,000	\$79,073	\$475,000	\$137,361	\$337,639	28.9%
Total GDU O & M	\$5,984,831	\$5,335,606	\$4,187,000	\$1,033,369	\$3,153,631	24.7%
MR&I Fund						
Salaries & Benefits	\$73,000	\$71,839	\$82,000	\$17,537	\$64,463	21.4%
State Administration	\$103,835	\$57,058	\$153,000	\$12,079	\$140,921	7.9%
MR&I Project Expenditures	\$27,000,000	\$25,292,604	\$20,000,000	\$7,068,172	\$12,931,828	35.3%
Total MR&I Fund	\$27,176,835	\$25,421,501	\$20,235,000	\$7,097,788	\$13,137,212	35.1%
RRV Water Supply Project						
Right of Way	\$90,000	\$88,594	\$1,000,000	\$73,832	\$926,168	7.4%
Design/Construction in Progress	\$27,950,000	\$27,923,627	\$24,000,000	\$1,401,664	\$22,598,336	5.8%
Salaries & Benefits	\$0	\$0	\$0	\$0	\$0	0.0%
Professional Services	\$520,000	\$513,483	\$400,000	\$42,031	\$357,969	11%
Financing/Legal/Administration	\$505,000	\$500,349	\$400,000	\$42,031	\$357,969	10.5%
Other Engineering	\$15,000	\$13,134	\$0	\$0	\$0	0.0%
Debt Payments	\$331,491	\$331,491	\$0	\$0	\$0	0%
Principal	\$308,201	\$308,201	\$0	\$0	\$0	0.0%
Interest	\$23,290	\$23,290	\$0	\$0	\$0	0.0%
Total RRVWSP	\$28,891,491	\$28,857,195	\$25,400,000	\$1,517,527	\$23,882,473	6.0%
TOTAL ALL FUNDS	\$68,103,497	\$64,436,481	\$55,069,475	\$10,796,969	\$44,272,506	19.6%

GARRISON DIVERSION CONSERVANCY DISTRICT
GDCD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to March 31, 2023

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 03-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 03-31-23
Barnes	Sheyenne River Water Trail	04-29-21	\$ 51,005.00					\$ 51,005.00
Barnes	City Wimbledon-Bathroom/Park Upgrade	03-30-23		\$ 12,999.00				\$ 12,999.00
Bottineau	Kramer City Park	09-28-22	\$ 21,250.00					\$ 21,250.00
Bottineau	T-Bar Lift at Winter Park	09-28-22	\$ 75,000.00			\$ 75,000.00		\$ -
Bottineau	Turtle Mountain Pickle Ball	03-30-23		\$ 4,750.00				\$ 4,750.00
Burleigh	Steckel Boat Landing Picnic Shelter	04-29-21	\$ 6,000.00					\$ 6,000.00
Burleigh	4H Arena Play Area	09-23-21	\$ 31,291.00					\$ 31,291.00
Burleigh	Sibley Campground Electrical Updates	09-23-21	\$ 36,746.00			\$ 35,042.35		\$ 1,703.65
Burleigh	American Legion Splash Pad	09-28-22	\$ 30,000.00			\$ 17,232.25		\$ 12,767.75
Burleigh	Wilton North Park Pickle Ball Court	09-28-22	\$ 2,395.00			\$ 958.10		\$ 1,436.90
Cass	RRV Fair Campground Phase I	05-06-20	\$ 4,721.00				\$ (4,721.00)	\$ -
Cass	Casselton Parks Revitalization	10-01-20	\$ 1,995.00		\$ 605.00			\$ 1,390.00
Cass	Casselton Shared Use Path	09-23-21	\$ 50,000.00					\$ 50,000.00
Cass	Mapleton Shared Use Path	09-23-21	\$ 50,000.00					\$ 50,000.00
Cass	Brewer Lake Water Hook-ups	03-30-22	\$ 638.00					\$ 638.00
Cass	Tinta Tawa Park Restroom	03-30-22	\$ 9,575.00					\$ 9,575.00
Cass	West Fargo Park District Playground Imp	09-28-22	\$ 16,145.00					\$ 16,145.00
Cass	Harwood-Splash Pad	03-30-23		\$ 27,204.00				\$ 27,204.00
Cass	North Elmwood Park Restoration	03-30-23		\$ 24,323.00				\$ 24,323.00
Cass	Tower City Pickle Courts	03-30-23		\$ 4,700.00				\$ 4,700.00
Dickey	West Side Park Playground	04-29-21	\$ 7,520.00					\$ 7,520.00
Dickey	Ellendale Baseball Grandstand Reno	09-28-22	\$ 20,000.00					\$ 20,000.00
Dickey	Wilson Dam Picnic Shelter Renovation	09-28-22	\$ 1,778.00					\$ 1,778.00
Eddy	Warming House/Boat Rental Building	04-29-21	\$ 5,750.00					\$ 5,750.00
Foster	Foster County Fairgrounds Picnic Shelter	09-23-21	\$ 5,191.00					\$ 5,191.00
Foster	Baseball/Softball Diamond Renovations	03-30-22	\$ 75,000.00		\$ 12,507.93			\$ 62,492.07
Foster	Carrington West Park Renovation	03-30-22	\$ 61,202.00		\$ 22,500.00			\$ 38,702.00
Grand Forks	Bringewatt Park Water Station	09-23-21	\$ 10,000.00					\$ 10,000.00
Grand Forks	Kraft Field Grandstand Replacement	09-28-22	\$ 75,000.00					\$ 75,000.00
Grand Forks	Manvel Community Park Improvement	09-28-22	\$ 12,699.00					\$ 12,699.00
Grand Forks	Lincoln Drive Park Family Games Area	03-30-23		\$ 10,000.00				\$ 10,000.00
Griggs	Binford Park Playground Update	03-30-22	\$ 2,950.00					\$ 2,950.00
Griggs	Binford Rodeo Ass. Community Centre	09-28-22	\$ 75,000.00					\$ 75,000.00
LaMoure	Sunset Park Revitalization Phase II	05-06-20	\$ 45,000.00		\$ 27,025.23			\$ 17,974.77
McHenry	Upham Park Improvement	04-29-21	\$ 9,125.00		\$ 8,627.75			\$ 497.25
McHenry	Splash Pad	09-23-21	\$ 19,838.00		\$ 1,725.00			\$ 18,113.00
McHenry	City of Upham-Park Restrooms	03-30-23		\$ 12,500.00				\$ 12,500.00
McKenzie	Tobacco Garden Shower/Bathroom	03-30-23		\$ 40,071.00				\$ 40,071.00
McLean	Walking/Bike Path Underwood	05-06-20	\$ 15,668.00				\$ (15,668.00)	\$ -
McLean	Lakeside Park Gazebo/Riverdale	04-29-21	\$ 1,500.00					\$ 1,500.00
McLean	Playground Equipment-Coleharbor	09-23-21	\$ 23,460.00			\$ 5,865.00		\$ 17,595.00
McLean	Garrison Softball Field Renovation	09-28-22	\$ 75,000.00					\$ 75,000.00
McLean	City of Butte-City Park	03-30-23		\$ 874.00				\$ 874.00
McLean	Arena Announcer Office & Concessions	03-30-23		\$ 6,946.00				\$ 6,946.00
McLean	Nelson Park & Community Garden	03-30-23		\$ 12,750.00				\$ 12,750.00
McLean	Sportsmen's Centennial Park Boat Ramp	03-30-23		\$ 6,250.00				\$ 6,250.00
Nelson	Tolna City Park Restrooms	10-03-18	\$ 21,933.00					\$ 21,933.00
Nelson	Stump Lake Playground	03-30-22	\$ 13,869.00			\$ 11,833.89	\$ (2,035.11)	\$ -
Nelson	Lakota Wading Pool	09-28-22	\$ 51,030.00					\$ 51,030.00
Pierce	Buffalo Lake Camp Site	04-29-21	\$ 3,250.00		\$ 1,930.06			\$ 1,319.94
Pierce	Barton Park Picnic Tables/Play Gym	09-23-21	\$ 1,250.00					\$ 1,250.00
Pierce	Rugby-Jaycee's Splashpad	03-30-23		\$ 40,202.00				\$ 40,202.00
Ramsey	Roosevelt Park Activity Building	09-28-22	\$ 75,000.00					\$ 75,000.00
Ransom	Dead Colt Walkway	04-29-21	\$ 23,750.00					\$ 23,750.00
Ransom	Sheldon Pickle Ball/BB Courts	03-30-22	\$ 5,262.00					\$ 5,262.00
Renville	Mouse River Park Campground Electrical	09-23-21	\$ 3,750.00			\$ 3,750.00		\$ -
Renville	Mohall Splash Pad	09-28-22	\$ 20,000.00			\$ 14,197.50		\$ 5,802.50
Renville	Mohall Splash Pad Phase II	03-30-23		\$ 6,875.00				\$ 6,875.00
Richland	City Park Improvement-Abercrombie	04-29-21	\$ 34,682.00					\$ 34,682.00
Richland	Campground-Hankinson Park Board	04-29-21	\$ 29,984.00					\$ 29,984.00
Richland	Chaninkapa Park Multipurpose Shelter	03-30-22	\$ 42,000.00					\$ 42,000.00
Richland	Manatador Park Softball Dugouts	03-30-22	\$ 2,000.00					\$ 2,000.00
Richland	Wyndmere Park Board	03-30-22	\$ 10,728.00					\$ 10,728.00
Richland	Fairmount-Park Playground Equipment	03-30-23		\$ 9,750.00				\$ 9,750.00
Sargent	Silver Lake Bath House	05-06-20	\$ 6,377.00					\$ 6,377.00
Sargent	North View Playground Milnor	03-30-22	\$ 14,210.00					\$ 14,210.00
Sargent	Gwinner Aquatic Center	09-28-22	\$ 75,000.00			\$ 19,962.50		\$ 55,037.50
Sargent	Forman-Main Street Pocket Park	03-30-23		\$ 2,213.00				\$ 2,213.00
Sheridan	Hoffer Lake Beach & Swimming Develop.	09-23-21	\$ 4,093.00					\$ 4,093.00
Steele	City Park Development-Colgate	04-29-21	\$ 6,250.00					\$ 6,250.00
Steele	Finley-Park Playground Equipment	03-30-23		\$ 13,750.00				\$ 13,750.00
Stutsman	Park Bench Project-Stutsman County	04-29-21	\$ 3,113.00					\$ 3,113.00
Stutsman	Electrical Upgrades for Campers	09-23-21	\$ 1,750.00					\$ 1,750.00
Stutsman	Field Renovation Phase I	09-28-22	\$ 75,000.00					\$ 75,000.00
Stutsman	Jamestown Reservoir Vault Toilet	09-28-22	\$ 6,204.00					\$ 6,204.00
Stutsman	4-H Horse Arena Improvement	03-30-23		\$ 8,843.00				\$ 8,843.00
Stutsman	Pedestrian Bridge Replacement	03-30-23		\$ 75,000.00				\$ 75,000.00
Stutsman	Lakeside Campground Improvements	03-30-23		\$ 5,574.00				\$ 5,574.00
Stutsman	Lawrence Trapper Softball Lighting	03-30-23		\$ 35,072.00				\$ 35,072.00
Trail	Riverwalk Park & Trail System	05-06-20	\$ 89,973.00			\$ 42,149.05	\$ (47,823.95)	\$ -
Trail	Galesburg Playground	03-30-22	\$ 22,595.00		\$ 21,880.00			\$ 715.00
Trail	Hillsboro Park District	03-30-22	\$ 31,500.00			\$ 31,500.00		\$ -
Ward	West Park-State Fair	05-06-20	\$ 26,450.00		\$ 21,861.60			\$ 4,588.40

GARRISON DIVERSION CONSERVANCY DISTRICT
GDCD RECREATION GRANT PROGRAM
OUTSTANDING PROJECTS
July 1, 1990 to March 31, 2023

COUNTY	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 04-23-15 to 12-31-2022	EXPENDITURES 1-1-23 to 03-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 03-31-23
Ward	Rice Lake Pavilion	05-06-20	\$ 26,950.00					\$ 26,950.00
Ward	Ward County Parks 2022	03-30-22	\$ 10,632.00					\$ 10,632.00
Ward	11th & 11th Park Playground	09-28-22	\$ 21,875.00					\$ 21,875.00
Ward	Swimming Pool & Bathhouse	09-28-22	\$ 75,000.00					\$ 75,000.00
Ward	ND State Fair-Full Service Camping Hook-ups	03-30-23		\$ 21,375.00				\$ 21,375.00
Ward	Talbot Court Disc Golf	03-30-23		\$ 2,465.00				\$ 2,465.00
Williams	Confluence Beautification	05-06-20	\$ 3,675.00				\$ (3,675.00)	\$ -
Williams	McGregor Dam Vault Toilet	04-29-21	\$ 17,500.00					\$ 17,500.00
Williams	Confluence Ramp	04-29-21	\$ 4,750.00					\$ 4,750.00
Williams	Coyote Clay Target League Range	03-30-22	\$ 55,872.00					\$ 55,872.00
Williams	Wildrose Community Garden	03-30-22	\$ 1,000.00					\$ 1,000.00
Williams	BlackTail Beach Trail	09-28-22	\$ 22,500.00					\$ 22,500.00
Williams	Tioga Dam Trail & Park	09-28-22	\$ 24,000.00					\$ 24,000.00
Williams	Williston Water World	03-30-23		\$ 75,000.00				\$ 75,000.00
TOTALS			\$1,893,199.00	\$459,486.00	\$118,662.57	\$257,490.64	(\$73,923.06)	\$ 1,902,608.73

**GARRISON DIVERSION CONSERVANCY DISTRICT
WATER ASSISTANCE GRANT PROGRAM
OUTSTANDING PROJECTS
June 1, 2021 to March 31, 2023**

COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 1-1-21 to 12-31-22	EXPENDITURES 1-1-23 to 03-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 03-31-23
Bureigh	SCRWD	Leier, Tavi	08-15-22	\$ 1,351.00					\$ 1,351.00
McKenzie	MCWRD	Heiser, Lynn	08-15-22	\$ 6,188.00					\$ 6,188.00
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00					\$ 10,000.00
Ramsey	GRWD	Klemetsrud, Scott	05-18-22	\$ 1,650.00					\$ 1,650.00
Ramsey	GRWD	Lacina, Tane	08-15-22	\$ 5,550.00		\$ 4,125.00			\$ 1,425.00
Renville	USWD	Frame, Jane	05-18-22	\$ 6,550.00					\$ 6,550.00
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00			\$ 10,000.00		\$ -
Richland	SEWUD	Wolters, Andy	08-15-22	\$ 8,475.00					\$ 8,475.00
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00					\$ 9,000.00
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00					\$ 9,000.00
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00					\$ 1,500.00
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00					\$ 10,000.00
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00					\$ 10,000.00
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00					\$ 4,500.00
Stutsman	SRWD	Wahl, John	05-18-22	\$ 1,630.00					\$ 1,630.00
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22	\$ 2,197.00					\$ 2,197.00
Ward	NPRWD	Keller, Dean	08-15-22	\$ 1,182.00					\$ 1,182.00
Ward	NPRWD	Wing, Michael & Crystal	08-15-22	\$ 2,469.00					\$ 2,469.00
Wells	CPWD	Schmaltz, Jeremy	10-06-22	\$ 10,000.00			\$ 10,000.00		\$ -
		City of Hannaford	2/10/2023	\$ 20,000.00			\$ 20,000.00		\$ -
TOTALS				\$ 131,242.00	\$ -	\$ 4,125.00	\$ 40,000.00	\$ -	\$ 87,117.00

**GARRISON DIVERSION CONSERVANCY DISTRICT
DRAFT BUDGET OF REVENUES AND EXPENDITURES
January 1, 2024 to December 31, 2024**

	General Fund	Operations & Maintenance Fund	Municipal, Rural, and Industrial Fund	Red River Valley Water Supply Project	Irrigation Fund	Total
REVENUES:						
Irrigation Admin	\$ 975					\$ 975
Project Income						-
Lease Income						-
Miscellaneous Income	\$ -					-
Interest Income	\$ 366,000		\$ 60		\$ 2,700	\$ 368,760
Tax Levy/State Aid	\$ 4,190,000					\$ 4,190,000
O&M Non-project Income		\$ 193,000				\$ 193,000
Contract Revenue	\$ 72,000	\$ 4,417,300	\$ 30,104,940	\$ 55,264,000	\$ 633,400	\$ 90,491,640
Total Revenues	\$ 4,628,975	\$ 4,610,300	\$ 30,105,000	\$ 55,264,000	\$ 636,100	\$ 95,244,375
EXPENDITURES:						
Directors Expense	\$ 255,000					\$ 255,000
Employee Expenses	\$ 1,506,000	\$ 2,343,800	\$ 82,000	\$ -		\$ 3,931,800
Administrative Expenses	\$ 204,000	\$ 105,000	\$ -			\$ 309,000
Public Education	\$ 157,000					\$ 157,000
Professional Services	\$ 781,000	\$ 93,000		\$ 600,000		\$ 1,474,000
Irrigation Development	\$ 260,875					\$ 260,875
Recreation Matching	\$ 860,000					\$ 860,000
Water Assistance Grant	\$ 300,000					\$ 300,000
Irrigation Districts Expenses	\$ 2,000					\$ 2,000
Maintenance & Repairs	\$ 82,000	\$ 886,500			\$ 418,100	\$ 1,386,600
Capital Purchases	\$ 95,000	\$ 420,000		\$ 54,000,000	\$ -	\$ 54,515,000
MR&I Project Expenditures			\$ 30,000,000			\$ 30,000,000
Debt Service Payments				\$ 570,000	\$ 187,000	\$ 757,000
Interest on Debt Service				\$ 94,000	\$ 31,000	\$ 125,000
Total Expenditures	\$ 4,502,875	\$ 3,848,300	\$ 30,082,000	\$ 55,264,000	\$ 636,100	\$ 94,333,275
Revenues Over (Under) Expenditures*	\$ 126,100	\$ 762,000	\$ 23,000	\$ -	\$ -	\$ 911,100
Transfers In (Out)	\$ 785,000	\$ (762,000)	\$ (23,000)	\$ -	\$ -	-
Net Change in Fund Balance	\$ 911,100	\$ -	\$ -	\$ -	\$ -	\$ 911,100

**GARRISON DIVERSION CONSERVANCY DISTRICT
DRAFT BUDGET EXPENDITURES
January 1, 2024 to December 31, 2024**

	Budget 2023	Budget 2024
<u>Directors Expense</u>		
Directors Per Diem	133,000	135,000
Directors Exp	88,000	120,000
Total Directors Expense	221,000	255,000
<u>Employee Expense</u>		
Employee Salaries	908,000	972,000
General Managers Expense	21,000	21,000
Travel	61,000	61,000
Administrative Officer	25,000	25,000
District Engineer	10,000	10,000
Engineer	5,000	5,000
Communications Director	6,000	6,000
Emp Exp Other	15,000	15,000
Professional Development	17,000	17,000
Employee Training	15,000	15,000
Wellness Program	2,000	2,000
Benefits	427,000	435,000
GDCD FICA	79,000	82,000
Retirement	129,000	137,000
Hospital & Life Insurance	175,000	169,000
Unemployment Comp	1,000	5,000
Vision / Dental	14,000	13,000
Workforce Safety Insurance	1,000	1,000
Long Term Disability Ins	10,000	10,000
Vacation/Sick Leave Liability	18,000	18,000
Total Employee Expense	1,434,000	1,506,000
<u>Administration</u>		
Postage	6,000	3,500
Communications	16,000	16,000
Utilities	33,000	35,000
Meetings & Events	5,000	9,500
Subscriptions	6,000	6,500
Miscellaneous	4,000	3,500
Data Processing	20,000	22,500
Employee Recruiting	5,000	5,000
Supplies	14,000	11,500
Small Office Equipment	20,000	25,000
Dues	14,000	14,000
Insurance	14,000	17,000
Annual Independent Audit	36,500	35,000
Total Administration	193,500	204,000
<u>Public Education</u>		
GDCD Tours	10,000	10,000
ND Water Users	20,000	20,000
ND Water Coalition	14,000	14,000
ND Water Magazine	18,000	18,000
Missouri River Joint Board	15,000	15,000
Upper Sheyenne	50,000	50,000
Conferences/Sponsorships	20,000	20,000
Miscellaneous	10,000	10,000
Total Public Education	157,000	157,000

**GARRISON DIVERSION CONSERVANCY DISTRICT
DRAFT BUDGET EXPENDITURES
January 1, 2024 to December 31, 2024**

	Budget 2023	Budget 2024
Professional Services		
Communications	140,000	140,000
Engineering	125,000	125,000
RRVWSP Development	316,000	313,000
Technical Support for LAWA	15,000	15,000
Engineering	100,000	100,000
Legal	125,000	122,000
Financial	10,000	10,000
Consultants	50,000	50,000
Meeting, Misc. Exp	16,000	16,000
Prof Services Other	45,000	45,000
Legal Services	188,000	158,000
Total Professional Services	814,000	781,000
Irrigation Development		
ND Irrigation Association	50,000	50,000
NDSU Oakes Irrigation Site	167,875	167,875
Bob Titus Lease	17,000	17,000
Irrigation Development	26,000	26,000
Total Irrigation Development	260,875	260,875
Recreation		
Recreation Matching	850,000	850,000
DWRA Recreation Program	10,000	10,000
Total Recreation	860,000	860,000
Water Assistance		
Water Assistance Grant	300,000	300,000
Irrigation District Expense		
Irrigation District Expenses	2,000	2,000
OTA Title Transfer	-	-
Technical Support	-	-
Legal	-	-
Total Irrigation District Expense	2,000	2,000
Maintenance & Repair		
Equipment Maintenance	27,000	27,000
Small Yard Equipment Purchases	5,000	5,000
Land & Bldg Maintenance	35,000	35,000
Auto Expense	15,000	15,000
Total Maintenance & Repair	82,000	82,000
Capital Purchases		
Office Equip & Furniture	20,000	20,000
Yard Equipment	20,000	20,000
Vehicle	40,000	40,000
Land & Buildings	15,000	15,000
Total Capital Purchases	95,000	95,000
General Fund Subtotal	4,419,375	4,502,875

**GARRISON DIVERSION CONSERVANCY DISTRICT
DRAFT BUDGET EXPENDITURES
January 1, 2024 to December 31, 2024**

	Budget 2023	Budget 2024
Irrigation Fund		
McClusky Canal Irrigation	446,100	418,100
Construction	-	-
Operations	446,100	418,100
Debt Payments	382,000	218,000
Principal	315,000	187,000
Interest	67,000	31,000
Total Irrigation Fund	828,100	636,100
GDU O & M		
Salaries & Benefits	1,921,000	2,276,000
Salaries	1,183,000	1,529,000
Benefits	738,000	747,000
Travel	14,000	8,200
Training	4,000	1,600
Utilities	93,000	90,000
Contracted Services (Eng / Survey)	423,000	93,000
Supplies	225,000	226,000
Equipment Purchases	400,000	420,000
Small Equipment Purchases	11,000	15,000
Equipment Rental	50,000	8,000
Equipment Maintenance	505,000	216,000
Safety	53,000	58,000
Miscellaneous	13,000	15,000
Materials	475,000	421,500
Total GDU O & M	4,187,000	3,848,300
MR&I Fund		
Salaries & Benefits	82,000	82,000
State Administration	153,000	-
MR&I Project Expenditures	20,000,000	30,000,000
Total MR&I Fund	20,235,000	30,082,000
RRV Water Supply Project		
ROW	1,000,000	1,000,000
Construction	24,000,000	53,000,000
Salaries & Benefits	-	-
Financing/Legal/Administration	400,000	600,000
Debt Payments	-	664,000
Principal	-	570,000
Interest	-	94,000
Total RRVWSP	25,400,000	55,264,000
TOTAL ALL FUNDS	55,069,475	94,333,275

Budget Preparation Timeline

January 2023	Present 2022 budget revisions to Board of Directors for approval
February 2023	Submission of preliminary 2024 budget (version 1) requests from staff
March 2023	Present 2024 draft budget (version 2) to Executive Committee Present 2023 budget revisions to Executive Committee for approval Present 2022 budget final revisions to Executive Committee for approval
April 2023	Present 2024 draft budget (version 2) to Board of Directors Present 2022 budget final revisions to Board of Directors for approval
June 2023	Present 2024 draft budget (version 2) to Executive Committee Present 2023 budget revisions to Executive Committee for approval
July 2023	Present 2024 budget (version 3) to Board of Directors
September 2023	Present 2023 budget revisions to Executive Committee for approval Present 2024 budget (version 3) to Executive Committee
October 2023	2024 budget public hearing at Board of Director Meeting Final 2024 budget approval by the Board of Directors 2024 budget and tax levy due to member counties
December 2023	Present 2023 budget revisions to Executive Committee for approval
January 2024	Present 2023 budget revisions to Board of Directors for approval
February 2024	Submission of preliminary 2025 budget (version 1) requests from staff
March 2024	Present 2025 draft budget (version 2) to Executive Committee Present 2024 budget revisions to Executive Committee for approval Present 2023 budget final revisions to Executive Committee for approval

Director electronic device policy 2.26

Garrison Diversion will provide Directors with an electronic device for their use to access Garrison Diversion materials and emails. Normal replacement schedule for Director electronic device will be 4 years, unless the Board directs otherwise.

1. Garrison Diversion will define specifications for a device, plan a budget amount for the device and a keyboard/case, and purchase the device.
2. Director electronic devices will be part of Garrison Diversion's IT system. Staff will facilitate installation and updates to software and help locate, lock, or wipe lost or stolen electronic devices.
3. A security application will be installed on Director electronic devices, if applicable, to help protect the electronic device from malicious software.
4. Garrison Diversion accepts no legal responsibility for any malware, security breaches or virus transmission that happens to Directors' electronic devices, regardless of the uploading and maintenance of the anti-virus software. Directors are free to otherwise upload other applications and use the electronic device at their discretion.
5. Cellular Internet access capability will be an optional feature on certain Director electronic devices. Garrison Diversion may provide the cellular data plan for Director electronic devices, or alternatively the Director may choose to provide the data plan in exchange for a monthly reimbursement.
6. If a cellular data plan is utilized and the director uses more data than available in the plan, the director will be liable for paying overage fees.
7. At the end of a Director's service on the Board, the Director may be given the option to purchase the electronic device at market value. Directors will own, retain and be responsible for any damage, repair, or replacement of the electronic device if it is lost or damaged after the date of their last service on the Board. Directors may choose to insure the electronic device thereafter. Garrison Diversion is not responsible for replacement or repair of the electronic device under any circumstance.
8. Upon expiration of their term as a Director, Garrison Diversion will remove the electronic device from Garrison Diversion data plan, if applicable, or otherwise will stop paying for any internet data plan. Garrison Diversion will remove it from and uninstall Garrison Diversion software and will no longer update the electronic device. If a cellular early termination fee would apply to the electronic device's removal from Garrison Diversion's plan, Garrison Diversion will pay the fee for the departing Director.

Garrison Diversion ~~115~~ Conservancy District
 Recreation Committee Meeting
 March 30, 2023
 Approved Projects

County	Sponsor	Project Place/Name	Approved
Barnes	City of Wimbledon	Bathroom & Park Upgrade	\$ 12,999
Bottineau	Bottineau County	Turtle Mountain Pickleball	\$ 4,750
Cass	Harwood Park Board	Splashpad	\$ 27,204
Cass	West Fargo Park District	North Elmwood Park Restoration	\$ 24,323
Cass	Tower City Park Board	Pickleball & 4 Square Courts	\$ 4,700
Grand Forks	Grand Forks Park District	Lincoln Drive Park Family Games Area	\$ 10,000
McHenry	City of Upham	Park Restrooms	\$ 12,500
McKenzie	McKenzie County & Park Board	Tobacco Gardens Shower/Bathroom	\$ 40,071
McLean	City of Butte	City Park	\$ 874
McLean	McLean County Fair Board	Arena Announcer Office & Concessions	\$ 6,946
McLean	Washburn Park Board	Nelson Park & Community Garden	\$ 12,750
McLean	McLean County	Sportsmen's Centennial Park Boat Ramp	\$ 6,250
Pierce	Rugby Park Board	Jaycee's Splashpad	\$ 40,202
Renville	Mohall Park District/City of Mohall	Splash Pad Phase II	\$ 6,875
Richland	Fairmount Park Board	Park Playground 2023	\$ 9,750
Sargent	City of Forman	Main Street Pocket Park	\$ 2,213
Steele	Finley Park District	Park Playground Equipment	\$ 13,750
Stutsman	Stutsman County Fair Board	4-H Horse Arena Improvement	\$ 8,843
Stutsman	City of Jamestown	Pedestrian Bridge Replacement	\$ 75,000
Stutsman	Stutsman County Park Board	Lakeside Campground Improvements	\$ 5,574
Stutsman	Jamestown Parks & Recreation	Lawrence Trapper Softball Lighting	\$ 35,072
Ward	ND State Fair	Full Service Camping Hook-ups	\$ 21,375
Ward	Ward County Parks	Talbott Court Disc Golf	\$ 2,465
Williams	Williston Parks & Recreation District	Williston Water World	\$ 75,000
		TOTAL	\$ 459,486

OAKS GARRISON DIVERSION BUILDING SHELL

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

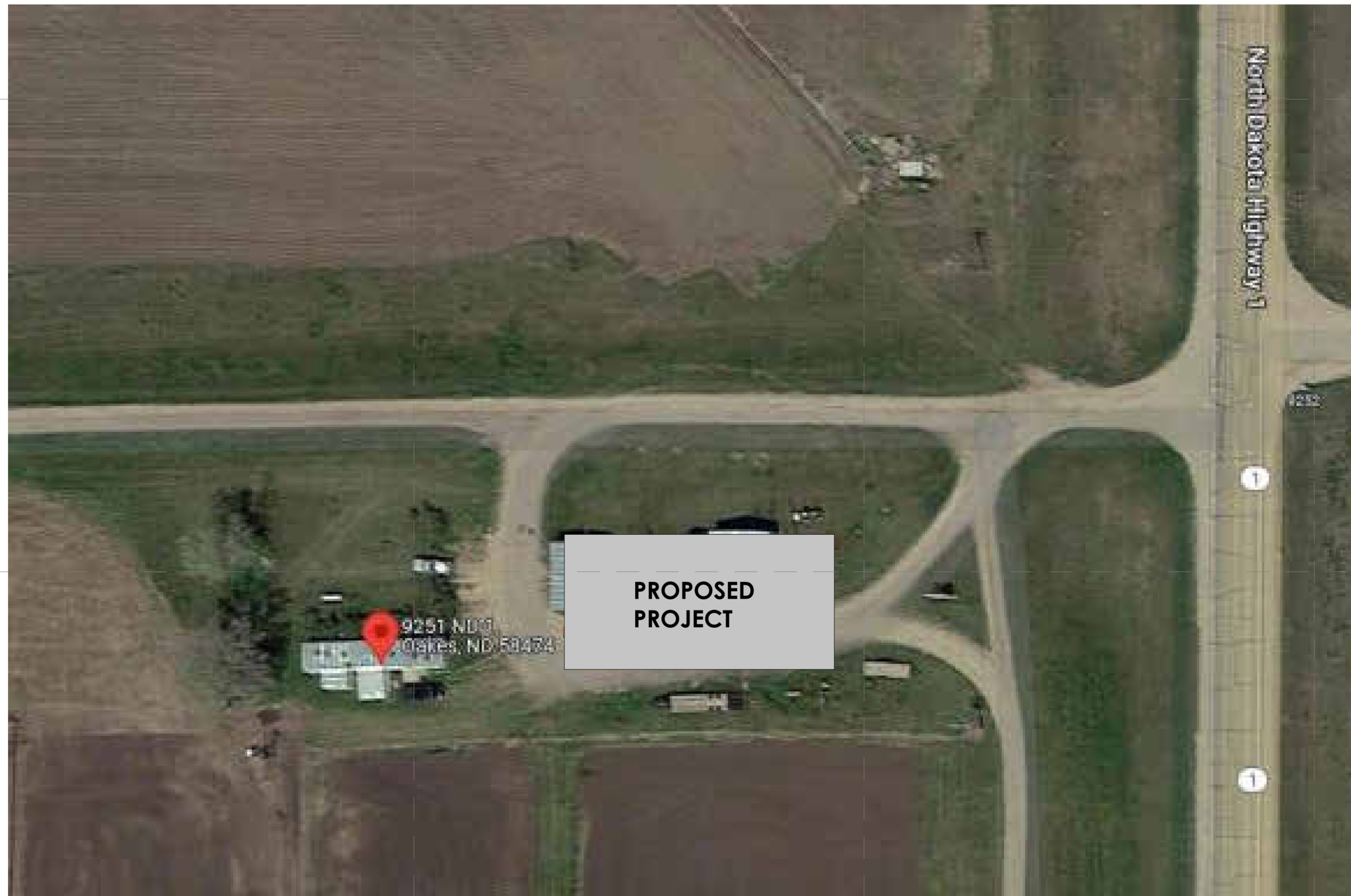


PROJECT DIRECTORY

OWNER: GARRISON DIVERSION CONSERVATORY DISTRICT PO BOX 140 GARRISON, ND 58421 Contact: KELLY KLOSTERMAN / KIP KOVAR E: KMMKK@RT.NET / KIPK@GDCC.ORG P: 701-652-3194	ARCHITECT: CRAFTWELL ARCHITECTURE + CONSTRUCTION 2534 S UNIVERSITY DRIVE, SUITE #3 FARGO, ND 58103 Contact: CHRIS HAWLEY E: CH@WECRAFTWELL.COM P: 701-478-4600	
STRUCTURAL ENGINEER: SANDMAN STRUCTURAL ENGINEERS 1987 30TH AVE. S. MOORHEAD, MN 56560 Contact: NATHAN HOFFMANN, PE E: NATHAN.HOFFMANN@SANDMANSE.COM P: 218-284-3044	MECHANICAL ENGINEER: MBN ENGINEERING 503 7TH STREET NORTH, SUITE 200 FARGO, ND 58102 Contact: MICHAEL A. BERGER, PE E: MIKE.BERGER@MBNENGR.COM P: 701-478-6336	ELECTRICAL ENGINEER: MBN ENGINEERING 503 7TH STREET NORTH, SUITE 200 FARGO, ND 58102 Contact: MICHAEL A. BERGER, PE E: MIKE.BERGER@MBNENGR.COM P: 701-478-6336

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

NOT FOR CONSTRUCTION



VICINITY MAP (NOT TO SCALE)

INDEX OF DRAWINGS

SHEET NO.	SHEET NAME
GENERAL	
G100	COVER SHEET
G110	LIFE SAFETY SUMMARY
ARCHITECTURAL	
A201	MAIN LEVEL PLAN
A202	MEZZANINE LEVEL PLAN
A205	ROOF PLAN
A300	EXTERIOR ELEVATIONS
A400	BUILDING SECTIONS
A500	BUILDING DETAILS
A600	SCHEDULES

PROJECT GENERAL NOTES

- IF ANY DISCREPANCIES EXIST BETWEEN ARCHITECTURE AND OTHER DRAWINGS CONSULT WITH ARCHITECT BEFORE COMMENCING WITH CONSTRUCTION.
- DO NOT SCALE DRAWINGS. IF ADDITIONAL DIMENSIONS ARE REQUIRED CONTACT ARCHITECT.
- CONTRACTORS SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCING WITH WORK AND TO NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES. CONTRACTORS SHALL VERIFY AND INSURE ALL UTILITIES ARE LOCATED IN FIELD AND COORDINATE AS NECESSARY WITH NEW WORK.
- CONTRACTORS SHALL PERFORM WORK IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES AND LAWS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN SPECIFICATIONS, PLANS, AND NOTES. CONTRACTOR SHALL BE HELD TO COMPLY WITH THE MORE STRINGENT REQUIREMENTS.
- REQUIRED MEANS OF EGRESS AND SECURITY TO SPACE SHALL BE MAINTAINED DURING CONSTRUCTION.
- ROUGH CARPENTRY CONTRACTOR SHALL COORDINATE AND INSTALL ALL NECESSARY BLOCKING SHIMS AND BACKING FOR FIXTURES, EQUIPMENT, AND ACCESSORIES RELATED TO THE SCOPE OF WORK.
- SUBMIT ALL COLOR SAMPLES TO OWNER AND ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION. ALLOW AMPLE TIME FOR SELECTIONS AND APPROVALS.

OAKES GARRISON DIVERSION - BUILDING SHELL

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

PROJECT PHASE	
BIDDING PHASE	
DATE	PROJECT
1/5/23	22031
COVER SHEET	
G100	

PROJECT CODE STATISTICS

APPLICABLE CODES:
 - 2021 INTERNATIONAL BUILDING CODE
 - 2021 INTERNATIONAL ENERGY CONSERVATION CODE
 - 2021 INTERNATIONAL FUEL GAS CODE
 - 2021 INTERNATIONAL MECHANICAL CODE
 - 2018 NORTH DAKOTA STATE PLUMBING CODE UNIFORM PLUMBING CODE - 2018
 - 2020 NATIONAL ELECTRICAL CODE
 - 2020 LAWS, RULES, AND WIRING STANDARDS OF NORTH DAKOTA
 - 2017 ANSI A117.1

SITE ADDRESS: 9251 HIGHWAY 1, OAKS, ND
ZONING:
USE: COMMERCIAL
SITE AREA:

REQUIRED LANDSCAPING:
BUFFER LANDSCAPING:
REQUIRED LANDSCAPING:

MINIMUM SETBACKS:
PARKING:

BUILDING

CHAPTER 3 - USE AND OCCUPANCY

303.1.2 <50 OCCUP / <750 S.F. CLASSIFIED AS GROUP B
 304.1 GROUP B - BUSINESS, GROUP S-1 - GARAGE / SHOP
 311.1.1 ACCESSORY STORAGE SPACES

CHAPTER 4 - SPECIAL REQUIREMENTS

406.2.8 MIXED USES ALLOWED PER 508.1
 406.2.9.1 EQUIPMENT / APPLIANCES NOT LESS THAN 18" ABOVE FLOOR

CHAPTER 5 - BUILDING HEIGHTS AND AREAS:

504.3 NS, TYPE VB, 40'-0" HEIGHT (27'-0" ACTUAL)
 504.4 NS, TYPE VB, 1 STORIES (1 ACTUAL)
 505.2 MEZZANINE NOT CONTRIBUTE TO BUILDING AREA OR STORIES
 505.2.1 MEZZANINE NOT GREATER THAN 1/3 - N/A (1/4 ACTUAL)
 505.2.3 MEZZANINE OPENNESS - N/A OCCUP < 10 (3 ACTUAL)
 506.2 NS, TYPE VB, 9,000 S.F. (7,200 S.F. ACTUAL)

508.4 N/A - NO SEPARATIONS REQD
 B / S-1

CHAPTER 6 - TYPES OF CONSTRUCTION

601.0 CONSTRUCTION TYPE: TYPE VB
 = PRIMARY FRAME = 0
 - BEARING WALLS EXTER = 0, INTER = 0
 - NONBEARING WALLS/PART. EXTER. = 0
 - NONBEARING WALLS/PART. INTER. = 0
 - FLOOR CONSTRUCTION = 0
 - ROOF CONSTRUCTION = 0
 602.0 FSD N/A

CHAPTER 7 - FIRE AND SMOKE PROTECTION

705.2 MINIMUM DISTANCE PROJECTIONS N/A
 705.2.2 TYPE V, PROJECTION CONST. N/A
 705.2.3 COMBUSTIBLE PROJECTIONS N/A
 705.8 EXTERIOR WALLS OPENINGS N/A
 705.8.3 GLAZING PER CHAPTER 24 & 26
 706.1.1 PARTY WALLS N/A
 706.4 FIRE WALL RATING N/A
 707.1 FIRE BARRIERS N/A
 708.0 FIRE PARTITIONS N/A
 709.0 SMOKE BARRIERS N/A
 710.0 SMOKE PARTITIONS N/A
 712.1.1 SHAFT ENCLOSURES N/A
 713.4 1HR CONNECTING <4 STORIES N/A
 713.13 ENCLOSURE AT TOP N/A
 718.2.2 DRAFTSTOPPING / FIREBLOCKING COMBUSTIBLE CONSTRUCTION @ CEILING/FLOOR LEVELS, HORIZONTAL 10'-0" MAX UNFACED FIBERGLASS IN WALLS
 718.3.1 DRAFTSTOPPING IN FLOORS - N/A 1,000 S.F. MAX (714 S.F. ACTUAL)
 718.4 DRAFTSTOPPING IN ATTICS - 3,000 S.F. MAX (2 PROVIDED)

CHAPTER 8 - INTERIOR FINISHES

803.13 INTERIOR FINISHES B, VB
 OCCUPANCY A INTERIOR STAIRS B CORRIDORS C ROOMS C

CHAPTER 9 - FIRE PROTECTION SYSTEMS

903.3.1.2 NON-SPRINKLED
 906.3 (1) PORTABLE FIRE EXTINGUISHER MAX. DISTANCE 75'-0" / 11,250 S.F. MAX / 75'-0" TRAVEL MAX / PER FLOOR
 907.2.1 FIRE ALARM - N/A <500 OCCUP. <100 OCCUP ABOVE LEVEL EXISTING SYSTEM TO RETROFIT NEW SPACE

CHAPTER 10 - MEANS OF EGRESS

URBAN DENTAL SPACE FUNCTION	AREA	QLE	OCCUPANT LOAD
BUSINESS	SEE PLANS	150	15
ASSEMBLY	SEE PLANS	15	20
STORAGE	SEE PLANS	300	18
TOTAL			53

1004.9 ASSEMBLY SIGNAGE N/A <50 / 150 S.F.
 1005.3.1 EGRESS STAIR SIZING CAPACITY FACTOR 0.30/OCCU. (44" PROVIDED)
 1005.3.2 EGRESS SIZING CAPACITY FACTOR 0.20/OCCU.
 1006.2.1 SPACE WITH 1 EXIT B = 49MAX., NS OL ≤ 30 75'-0" S = 29MAX., NS OL ≤ 30 100'-0"

1006.3.3.(2) STORIES WITH ONE EXIT, 2ND LEVEL, B, 29 MAX. OCCUP. N/A
 1009.1.3 ACCESSIBLE MEANS OF EGRESS
 1010.1.10 PANIC DEVICES YES (EXISTING)
 1011.2 STAIRWAY WIDTH, MIN 44", <50 OCCUP NOT < 36", (44" PROVIDED)
 1011.6 STAIRWAY LANDING, WIDTH OR STAIR OR 48" (44" PROVIDED)
 1011.7.4 USABLE SPACES UNDER STAIR PROTECTED 1HR N/A
 1017.2 EXIT TRAVEL DISTANCES B OCCUP 300'-0" SEE PLANS
 1020.2 CORRIDOR FIRE RATING, OCCUP <30 - 1HR REQUIRED
 1020.3 CORRIDOR MIN WIDTH, OCCUP < 50 MIN=36" ACTUAL 60"
 1028.5 EXIT TO ACCESS OF PUBLIC WAY

CHAPTER 11 - ACCESSIBILITY

1104.0 ACCESSIBLE ROUTE PROVIDED
 1105.0 ACCESSIBLE ENTRANCES PROVIDED
 1105.1 PUBLIC ENTRANCE 60% ACCESSIBLE
 1106.1 ACCESSIBLE PARKING PROVIDED (1) STALLS
 1109.4 KITCHENETTES, TO BE ACCESSIBLE

CHAPTER 12 - INTERIOR ENVIRONMENTS

1206.2 SOUND TRANSMISSION 50 STC
 1207.1 MIN 7'-0" EACH DIRECTION, 3'-0" CLEAR COUNTERTOP/APPLIANCES
 1207.2 MIN 7'-6" CEILING HEIGHT HABITAT SPACES
 1209.2.2 TOILET ROOMS SHALL HAVE SMOOTH, HARD NONABSORBENT SURFACES, 2'-0" MIN WITHIN SERVICE SINKS, URINALS & WATER CLOSETS. WALLS MIN WAINSCOT 4'-0" FLOOR SHALL HAVE HARD NONABSORBENT SURFACE

CHAPTER 13 - ENERGY EFFICIENCY

1301.1.1 NEW CONSTRUCTION ACCORDANCE WITH IECC

CHAPTER 29 - PLUMBING FIXTURES

2902.1.1 MIN NUMBER OF REQUIRED PLUMBING FIXTURES FOR OCCUPANCY

PLUMB. COUNTS	LOAD/SEX	WATER CLOSETS	LAVATORIES
OCCUP GROUP		MALE FEMALE	MALE FEMALE
B	8	8x1/25=.32 8x1/25=.32	8x1/40=.20 8x1/40=.20
S	9	9x1/100=.09 9x1/100=.09	9x1/100=.09 9x1/100=.09
A	10	10x1/75=.14 10x1/40=.25 10x1/200=.05 10x1/150=.07	
TOTAL FIXTURE REQUIRED		0.57 = 1 0.66 = 1	0.34 = 1 0.36 = 1

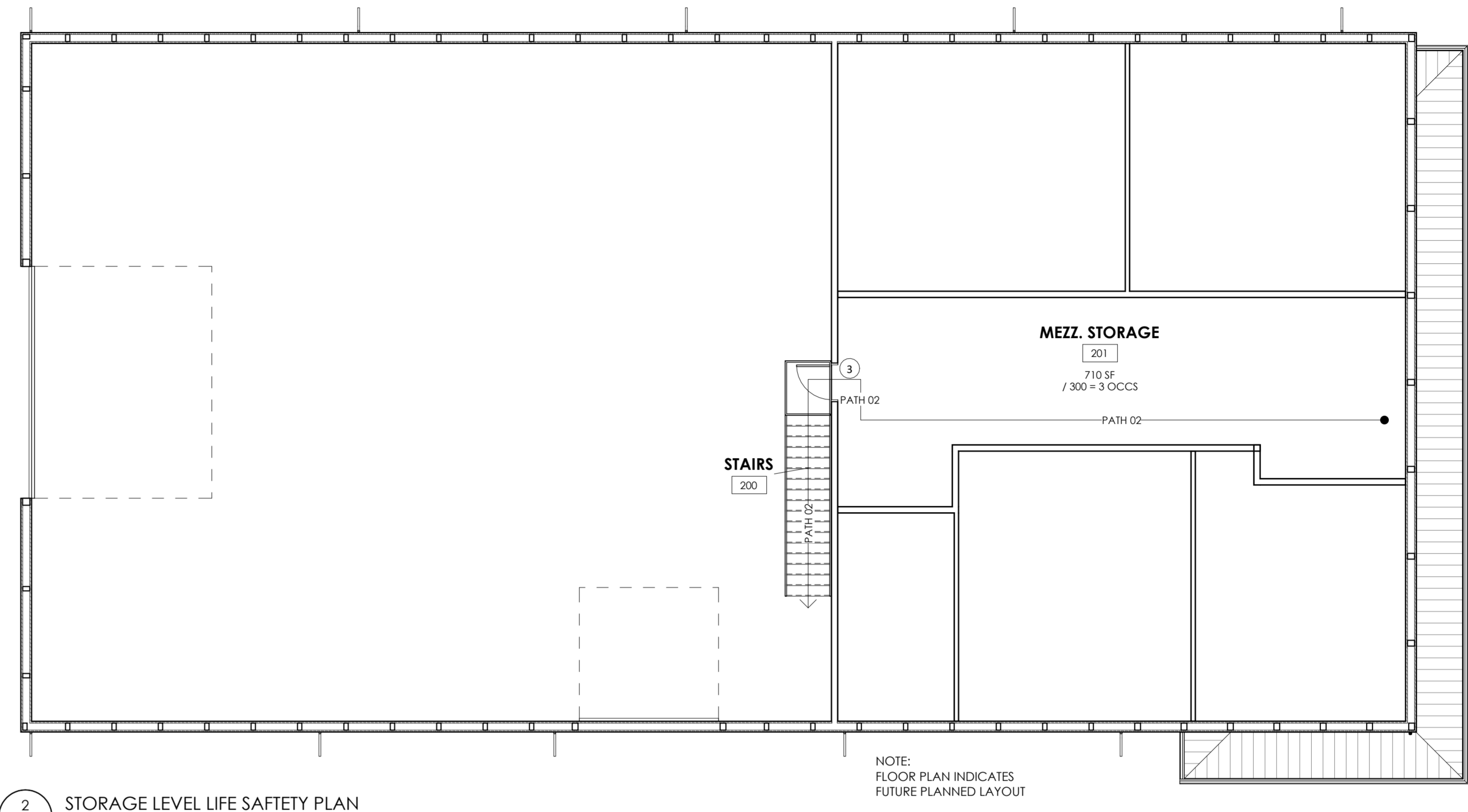
2902.2 SEPARATE FACILITIES < 25 TOTAL OCCUPANTS N/A

WATER FOUNTAINS:
 1 PER 100 PROVIDED
SERVICE SINK:
 OCCUPANT LOAD > 50 REQUIRED

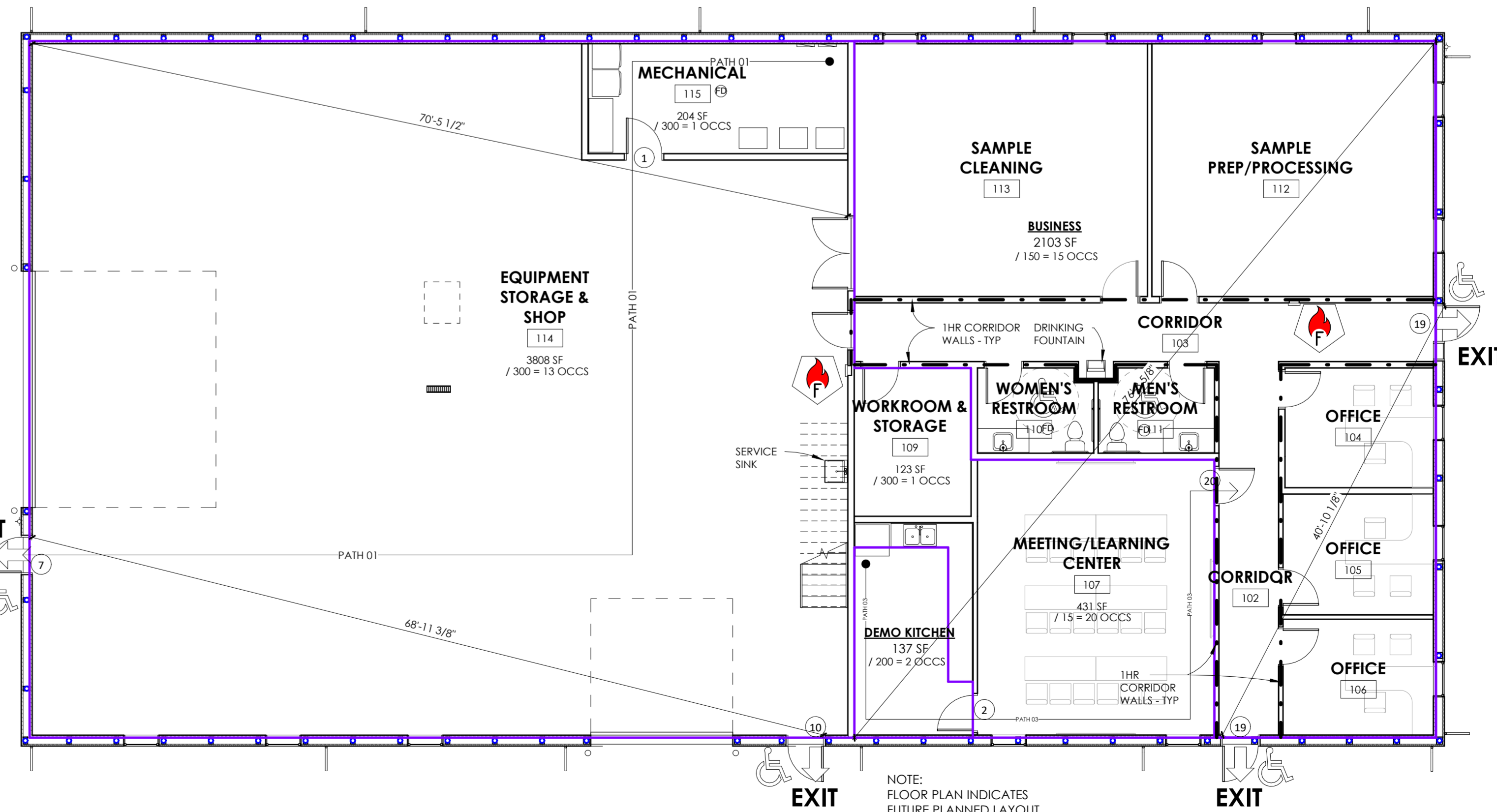
CHAPTER 30 - ELEVATORS AND CONVEYING SYSTEMS

3001.3 N/A

TRAVEL PATH ID	TOTAL TRAVEL DISTANCE
PATH 01	109' - 11 1/2"
PATH 02	72' - 10 13/16"
PATH 03	63' - 10 3/4"



2 STORAGE LEVEL LIFE SAFETY PLAN
 1/8" = 1'-0"



1 MAIN LEVEL LIFE SAFETY PLAN
 1/8" = 1'-0"

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

OAKES GARRISON DIVERSION - BUILDING SHELL
 9251 HIGHWAY 1
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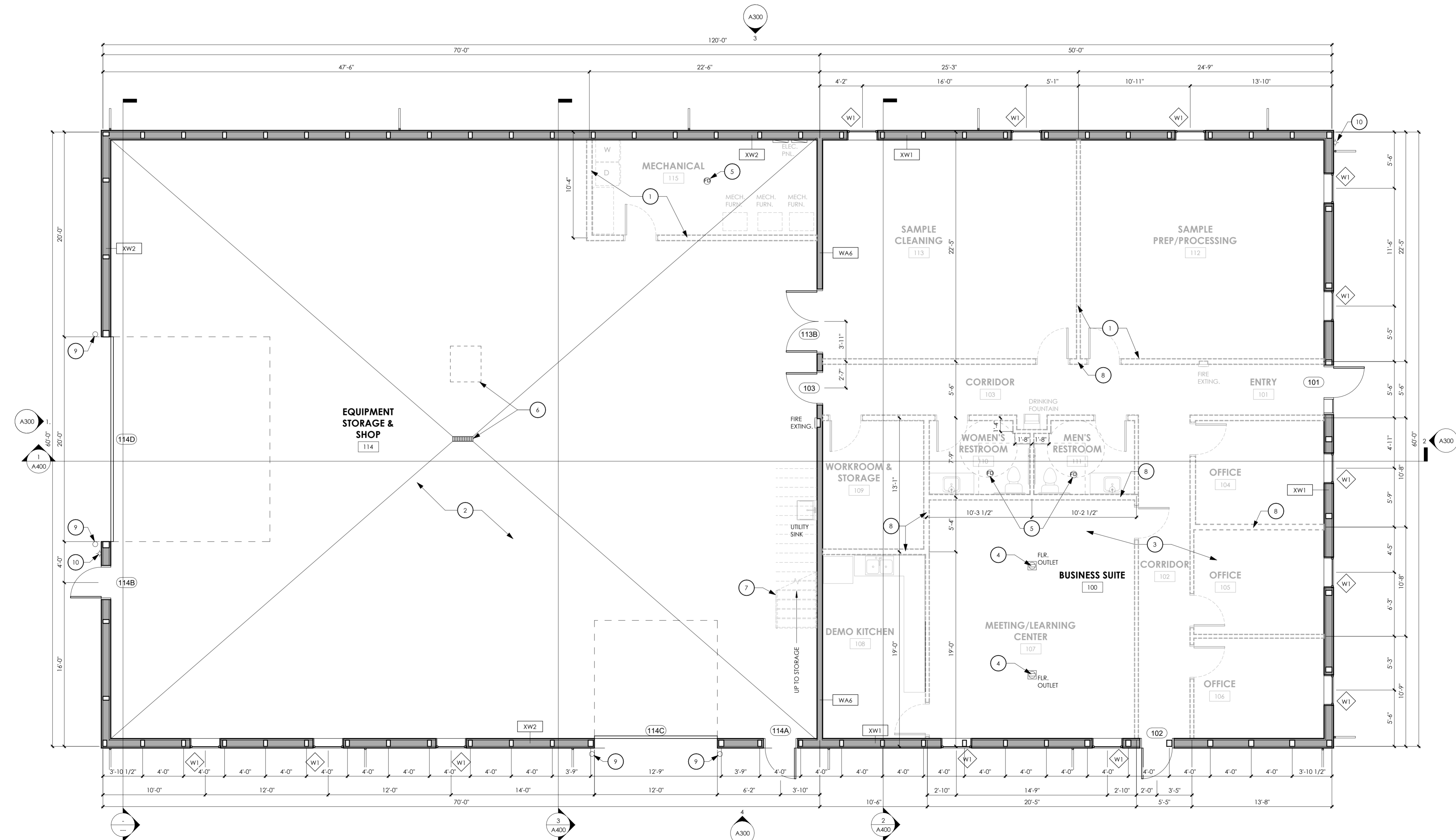
PROJECT PHASE	
BIDDING PHASE	
DATE	PROJECT
1/5/23	22031
LIFE SAFETY SUMMARY	
G110	

FLOOR PLAN KEYNOTES	
NO.	DESCRIPTION
1	DASHED IN WALLS / BUILDING COMPONENTS TO BE FUTURE FIT-UP
2	6" CONCRETE SLAB WITH 2" RIGID INSULATION AND FLOOR HEAT SYSTEM - ZONE 2
3	4" CONCRETE SLAB WITH 2" RIGID INSULATION AND FLOOR HEAT SYSTEM - ZONE 1
4	ELECTRICAL FLOOR POWER/DATA OUTLET. VERIFY LOCATION WITH OWNER
5	FLOOR DRAIN. VERIFY / COORDINATE LOCATION WITH ALL CONTRACTORS
6	2'-0" FLOOR GRATE DRAIN WITH SAND / OIL INTERCEPTOR SYSTEM. VERIFY LOCATIONS WITH OWNER
7	MEZZANINE STORAGE LEVEL / STAIRS FUTURE BID PACKAGE
8	FUTURE BEARING WALL. SEE STRUCTURAL FOR THICKEN SLAB FOOTINGS
9	STEEL PIPE BOLLARD - SEE DETAIL 2/A500
10	WATER SPIGOT BY M.C.



FLOOR PLAN GENERAL NOTES

- G.C. PROVIDE BLOCKING IN WALLS FOR INSTALLATION OF ACCESSORIES, BUILDING SIGNAGE, ETC.
- E.C. TO VERIFY WITH OWNER ANY LOCATIONS FOR ELECTRICAL FLOOR OUTLETS



REVISION SCHEDULE		
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PROJECT PHASE	
BIDDING PHASE	
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MAIN LEVEL PLAN	
A201	

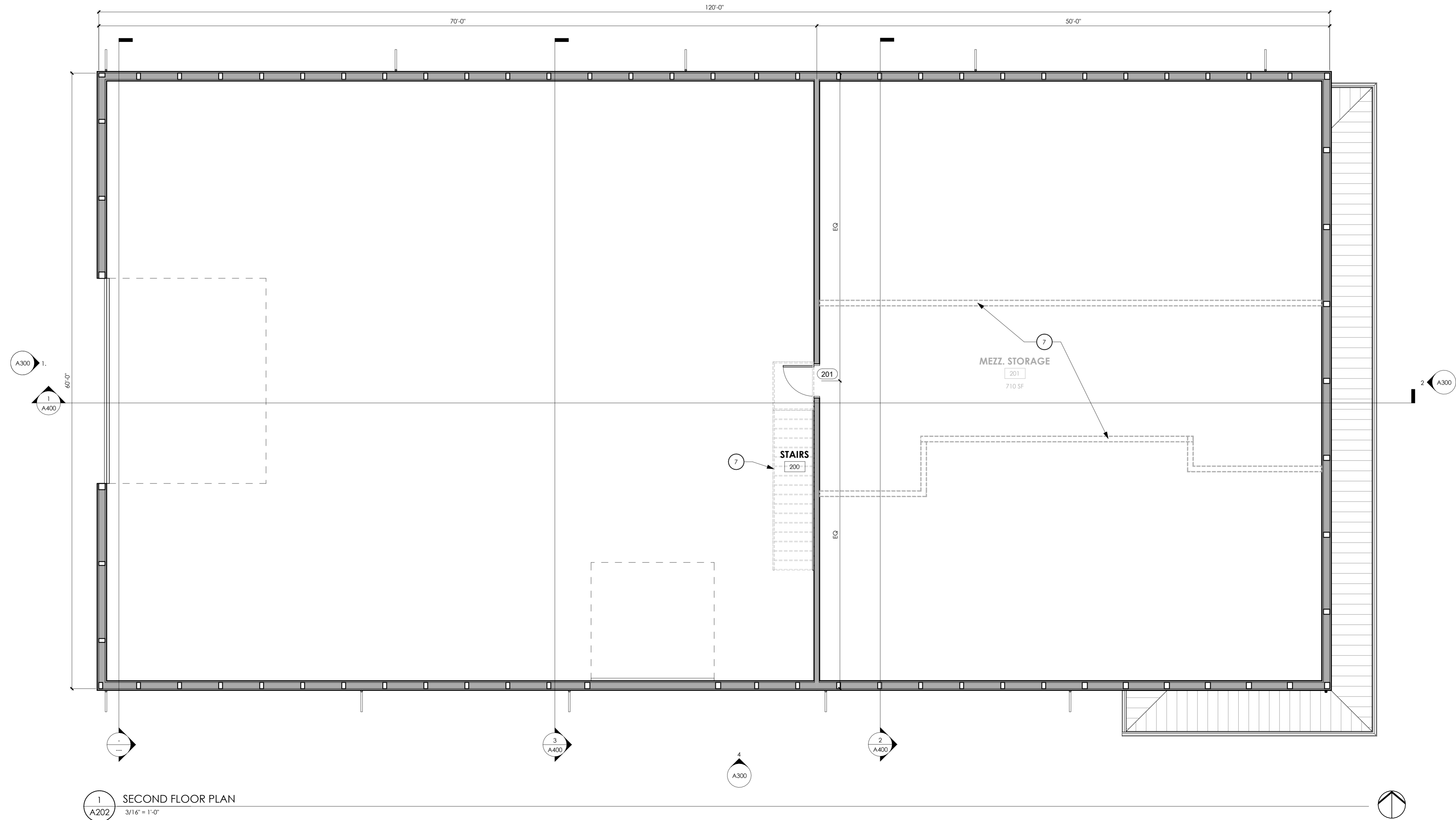
1 FIRST FLOOR PLAN
A201 3/16" = 1'-0"

FLOOR PLAN KEYNOTES	
NO.	DESCRIPTION
1	DASHED IN WALLS / BUILDING COMPONENTS TO BE FUTURE FIT-UP
2	6" CONCRETE SLAB WITH 2" RIGID INSULATION AND FLOOR HEAT SYSTEM - ZONE 2
3	4" CONCRETE SLAB WITH 2" RIGID INSULATION AND FLOOR HEAT SYSTEM - ZONE 1
4	ELECTRICAL FLOOR POWER/DATA OUTLET. VERIFY LOCATION WITH OWNER
5	FLOOR DRAIN. VERIFY / COORDINATE LOCATION WITH ALL CONTRACTORS
6	2'-0" FLOOR GRATE DRAIN WITH SAND / OIL INTERCEPTOR SYSTEM. VERIFY LOCATIONS WITH OWNER
7	MEZZANINE STORAGE LEVEL / STAIRS FUTURE BID PACKAGE
8	FUTURE BEARING WALL. SEE STRUCTURAL FOR THICKEN SLAB FOOTINGS
9	STEEL PIPE BOLLARD - SEE DETAIL 2/AS00
10	WATER SPIGOT BY M.C.



FLOOR PLAN GENERAL NOTES

- G.C. PROVIDE BLOCKING IN WALLS FOR INSTALLATION OF ACCESSORIES, BUILDING SIGNAGE, ETC.
- E.C. TO VERIFY WITH OWNER ANY LOCATIONS FOR ELECTRICAL FLOOR OUTLETS



1 SECOND FLOOR PLAN
A202 3/16" = 1'-0"

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

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PROJECT PHASE BIDDING PHASE	
DATE 1/5/23	PROJECT 22031
MEZZANINE LEVEL PLAN A202	

ROOF PLAN KEYNOTES	
NO.	DESCRIPTION
1	RIDGE VENT

ROOF PLAN GENERAL NOTES

- COLOR MATCH ALL ROOF PENETRATIONS TO ROOF COLOR
- ALL ROOF PENETRATIONS TO BE PLACES "OUT OF SIGHT" AS MUCH AS POSSIBLE
- PROVIDE ADDITIONAL BLOCKING AS NEEDED FOR BRACKETS
- FIELD VERIFY ALL GUTTER AND DOWNSPOUT LOCATIONS PRIOR TO INSTALLATION



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 FARGO, N.D. 58103
 701.478.4600

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

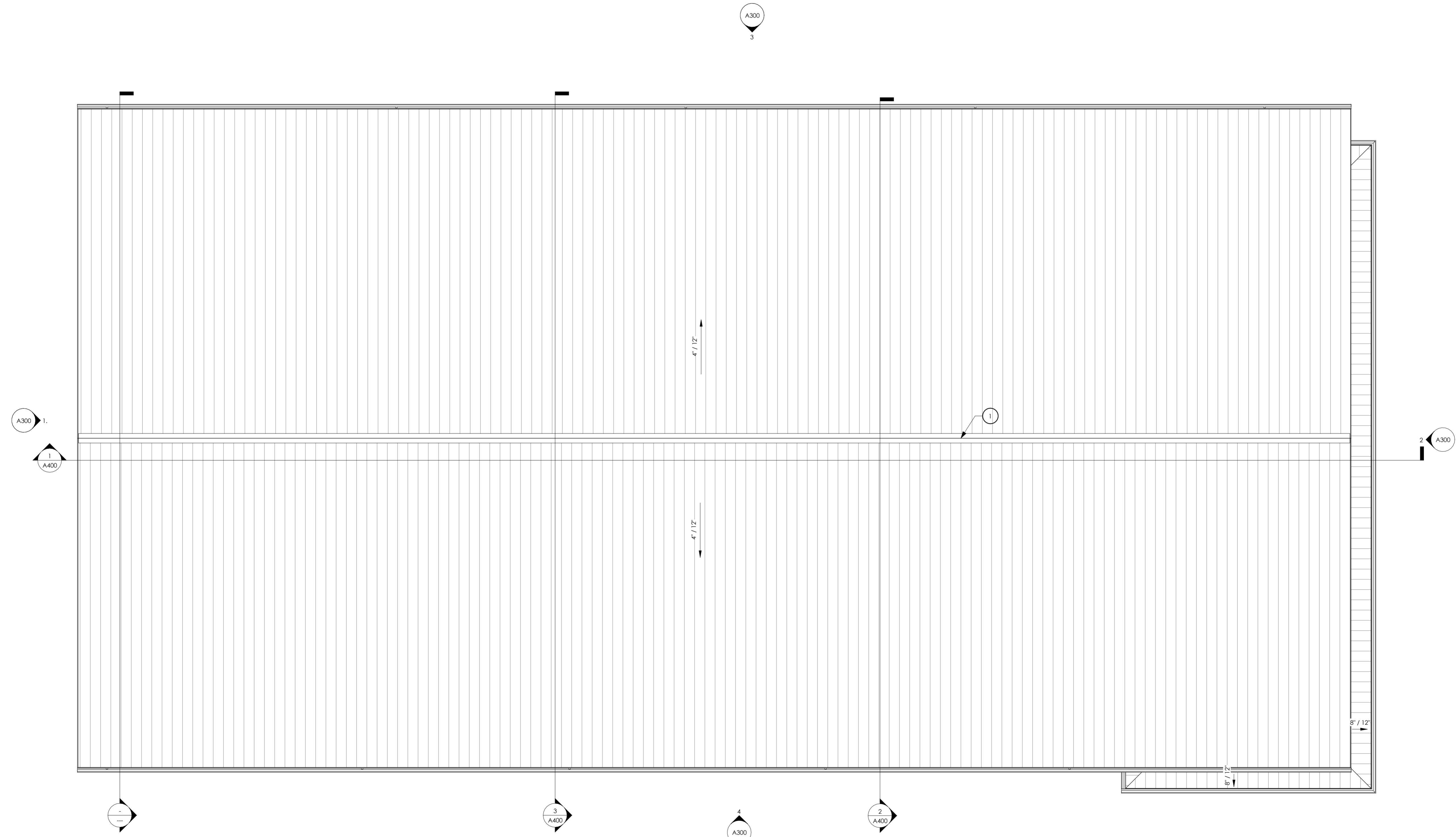
NOT FOR CONSTRUCTION

**OAKES GARRISON DIVERSION -
 BUILDING SHELL**

9251 HIGHWAY 1
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PROJECT PHASE	
BIDDING PHASE	
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ROOF PLAN
A205



1 ROOF PLAN
 A205 3/16" = 1'-0"

EXTERIOR ELEVATION GENERAL NOTES

- 1. NOTE
- 2. NOTE

EXTERIOR ELEVATION KEYNOTES

NO.	DESCRIPTION
1	PF METAL WALL PANEL - STANDARD COLOR #1
2	PF METAL WALL PANEL J TRIM - STANDARD COLOR #1
3	PF METAL GUTTERS
4	PF METAL DOWNSPOUT
5	PF METAL ROOF PANEL
6	PIPE BOLLARDS
7	WATER SPIGOT BY M.C.



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REVISION SCHEDULE		
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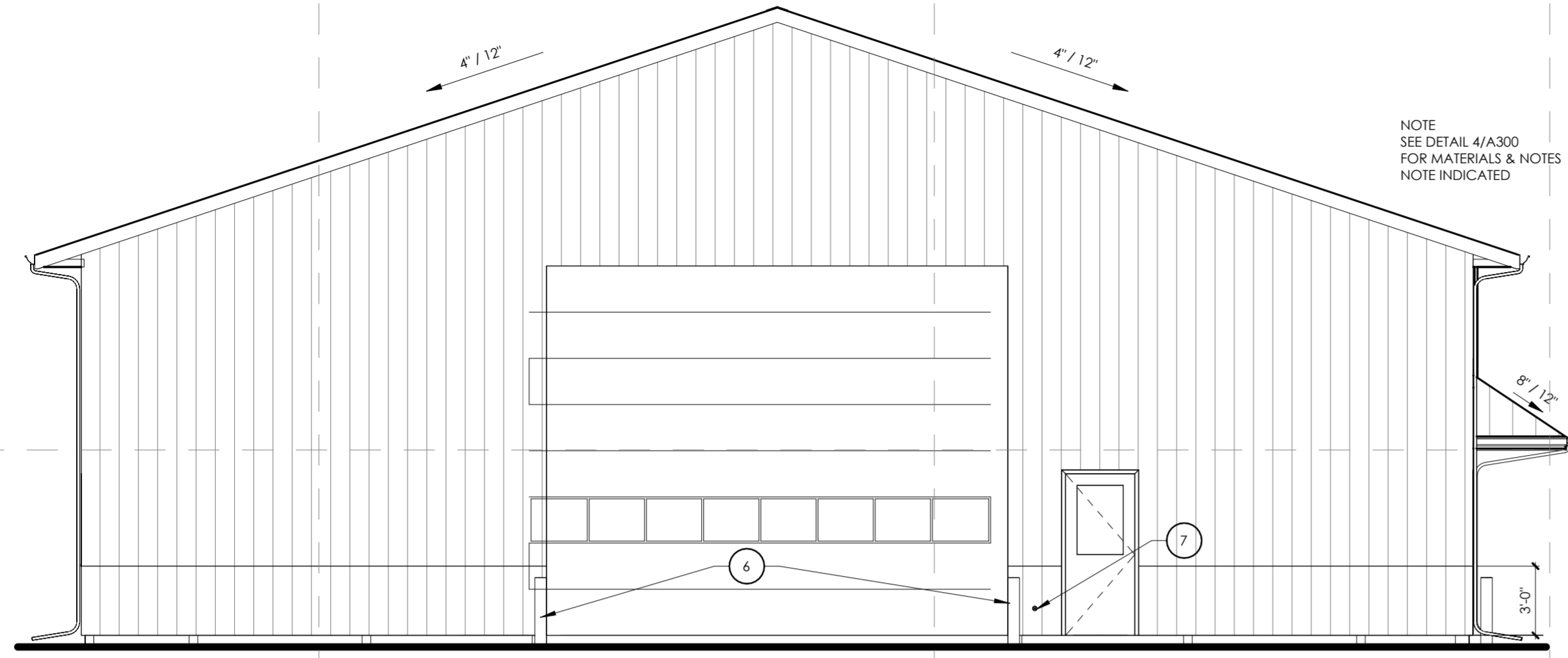
NOT FOR CONSTRUCTION

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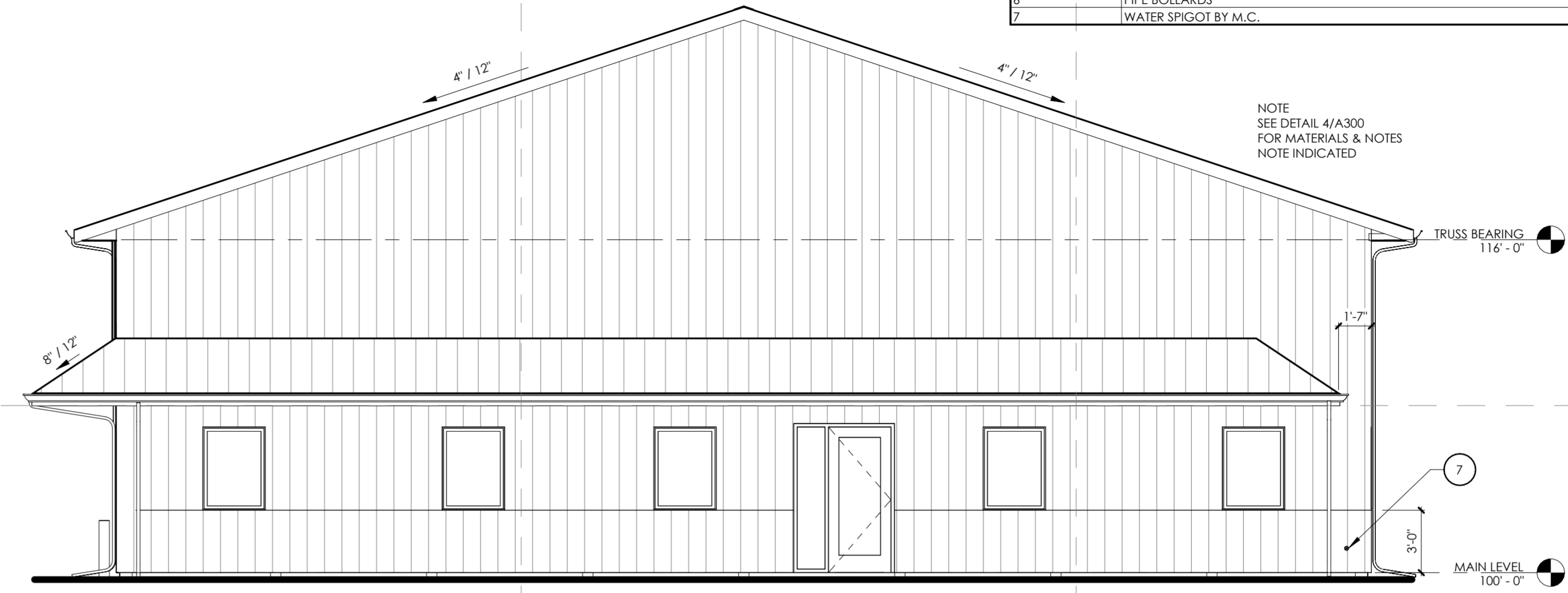
PROJECT PHASE	
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EXTERIOR ELEVATIONS
A300



1. WEST ELEVATION
 A300 3/16" = 1'-0"

NOTE
 SEE DETAIL 4/A300
 FOR MATERIALS & NOTES
 NOTE INDICATED

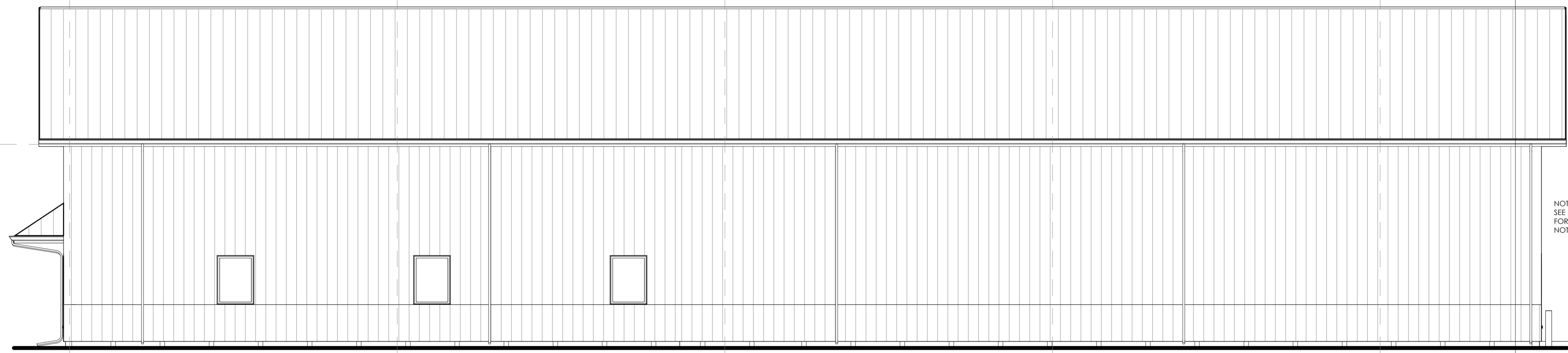


2. EAST ELEVATION
 A300 3/16" = 1'-0"

NOTE
 SEE DETAIL 4/A300
 FOR MATERIALS & NOTES
 NOTE INDICATED

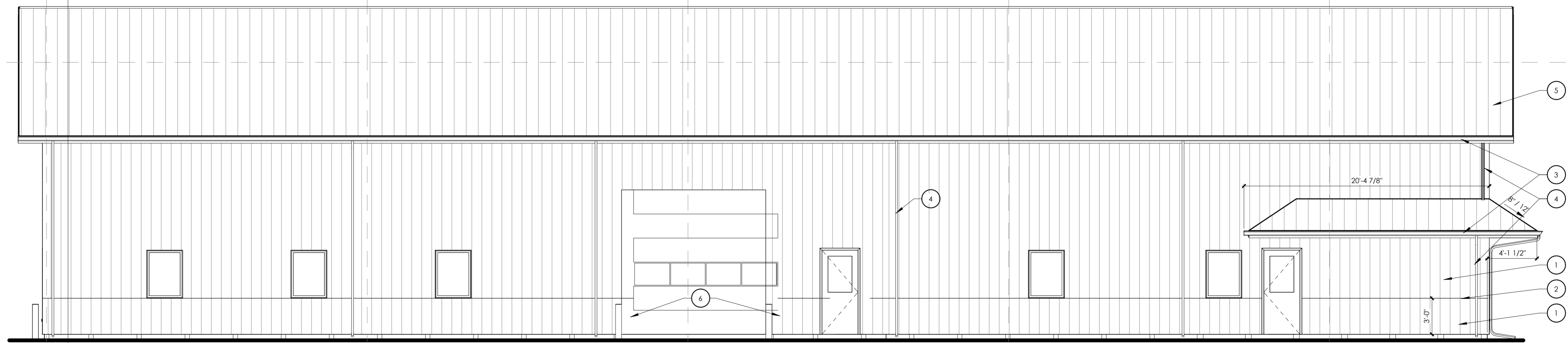
TRUSS BEARING
 116'-0"

MAIN LEVEL
 100'-0"



3. NORTH ELEVATION
 A300 3/16" = 1'-0"

NOTE
 SEE DETAIL 4/A300
 FOR MATERIALS & NOTES
 NOTE INDICATED



4. SOUTH ELEVATION
 A300 3/16" = 1'-0"

5

3

4

1

2

1

20'-4 7/8"

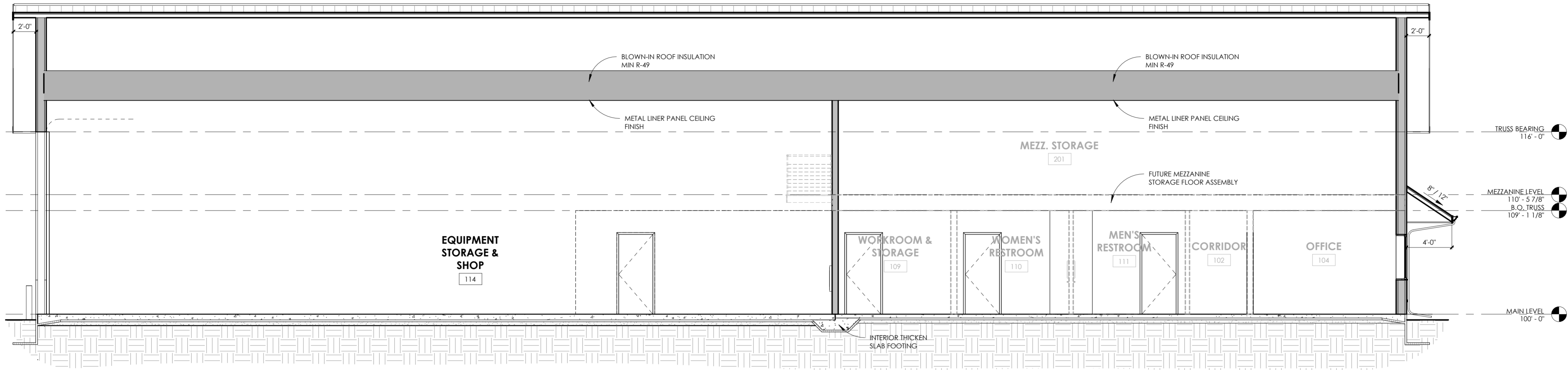
4'-1 1/2"

8'-1 1/2"

3'-0"

6

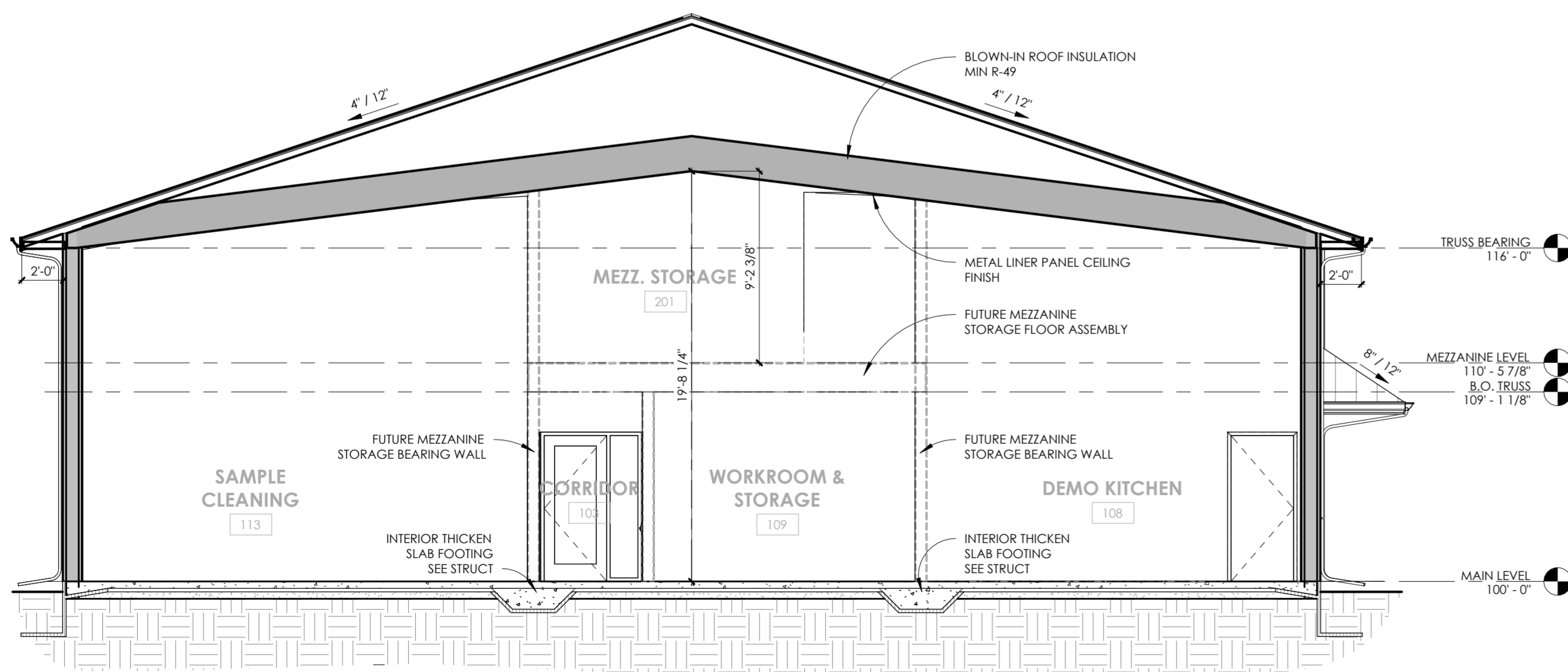
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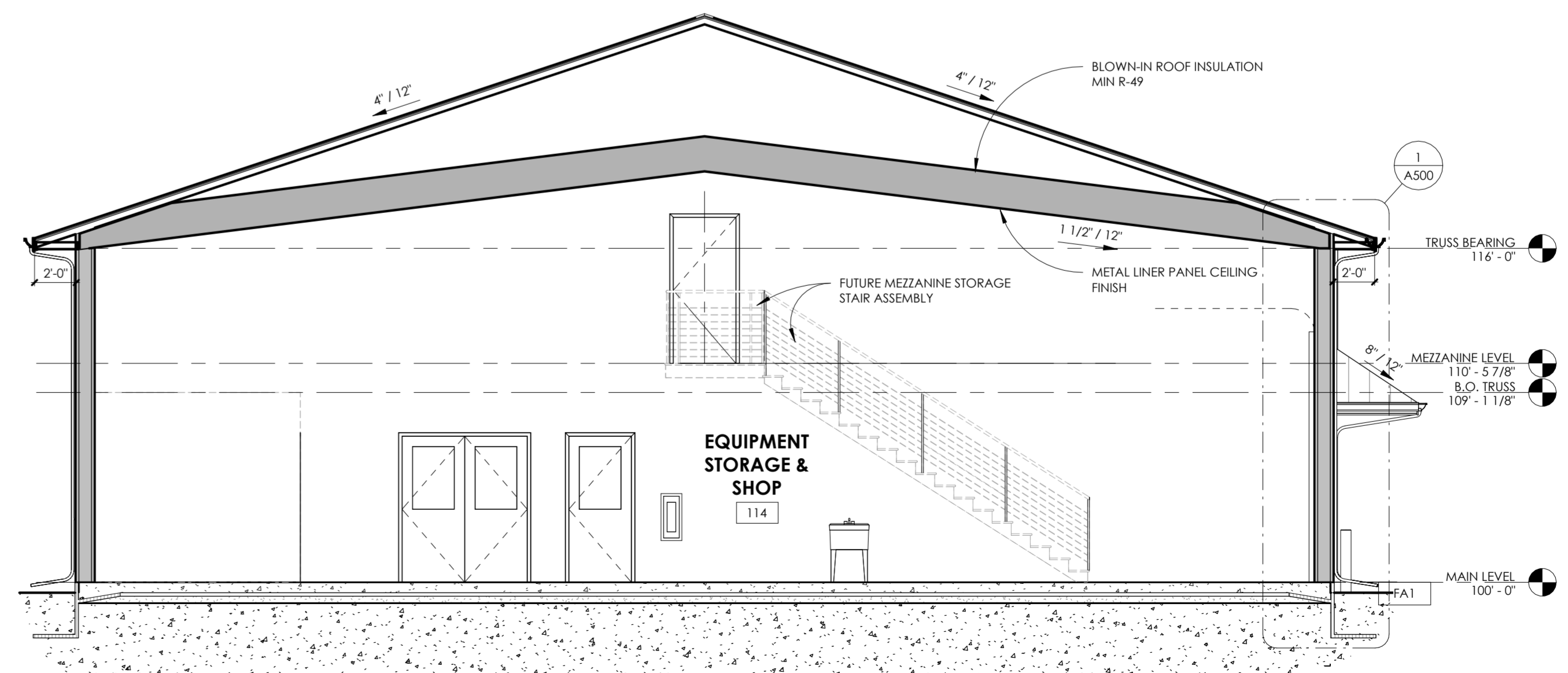
1 NORTH SECTION
A400 3/16" = 1'-0"

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2 WEST SECTION 1
A400 3/16" = 1'-0"

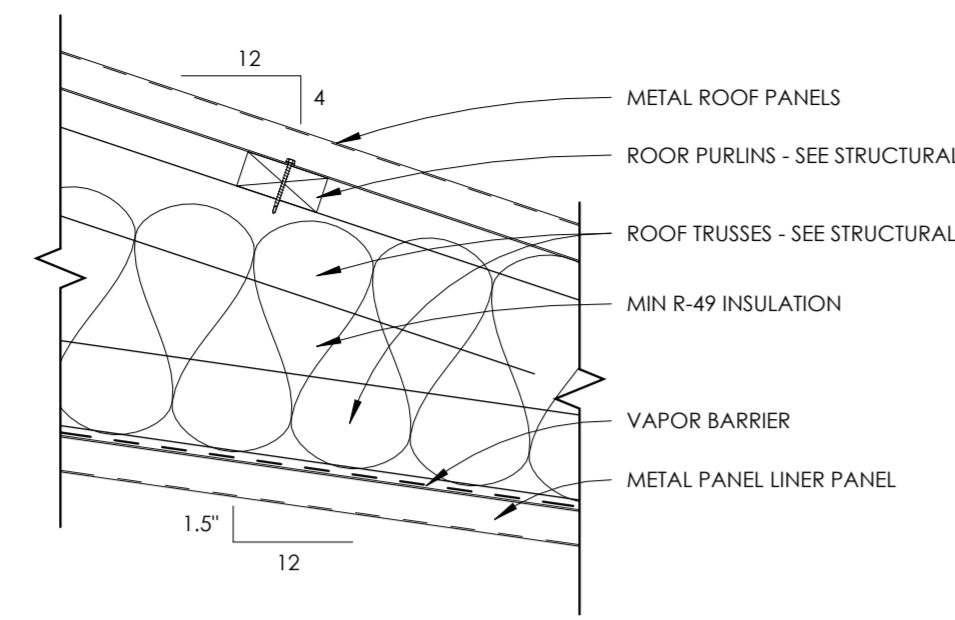


3 WEST SECTION
A400 3/16" = 1'-0"

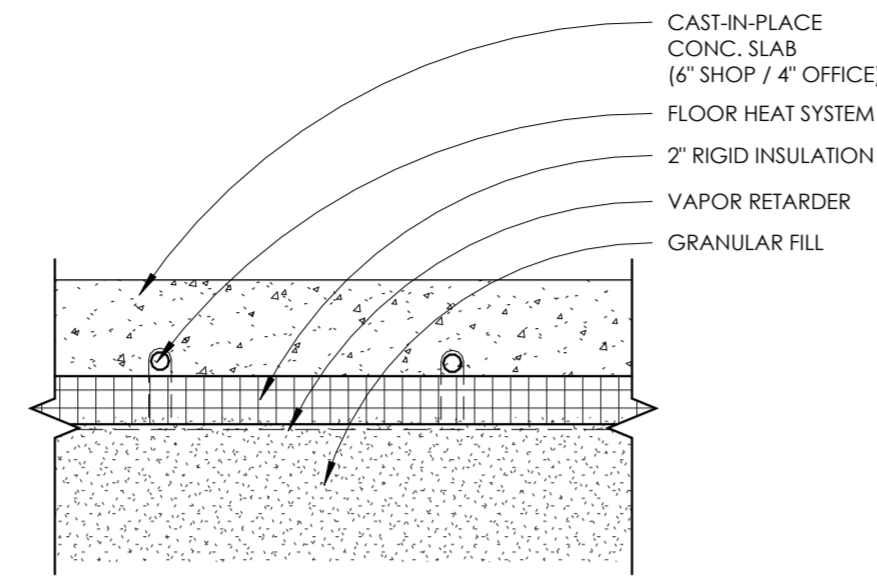
OAKES GARRISON DIVERSION - BUILDING SHELL

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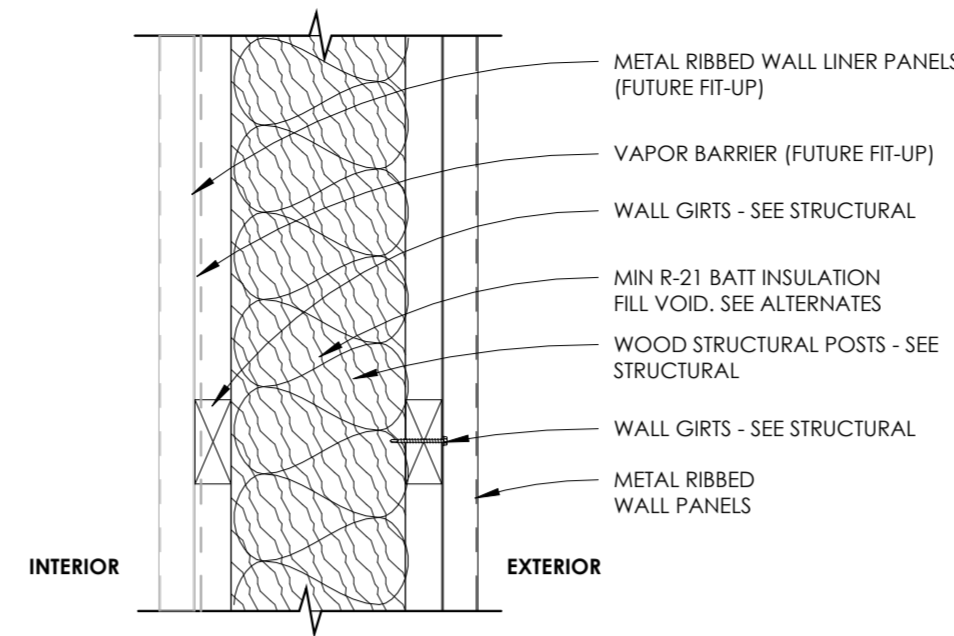
PROJECT PHASE	
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BUILDING SECTIONS	
A400	



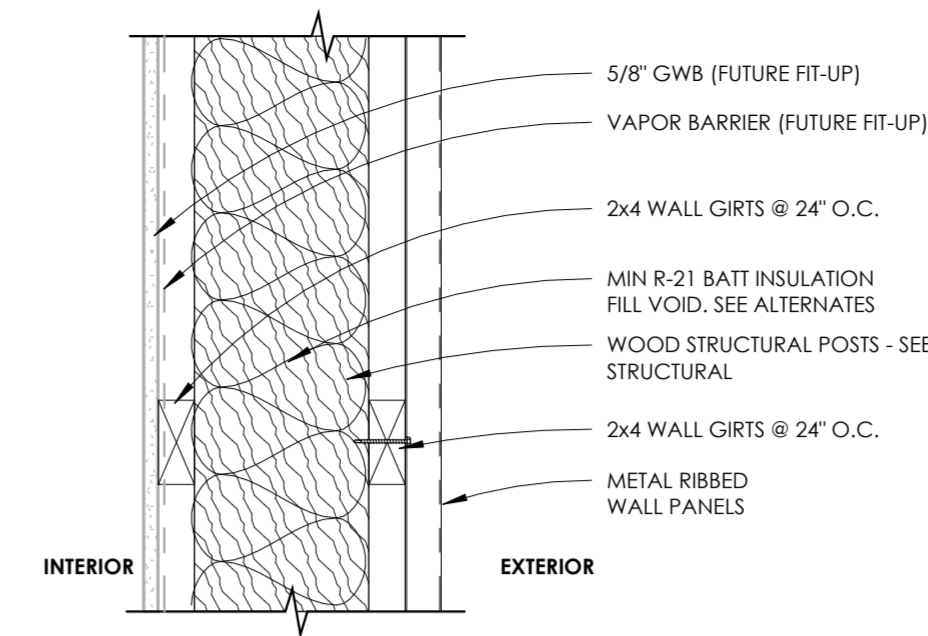
ROOF TYPE 'RF1'



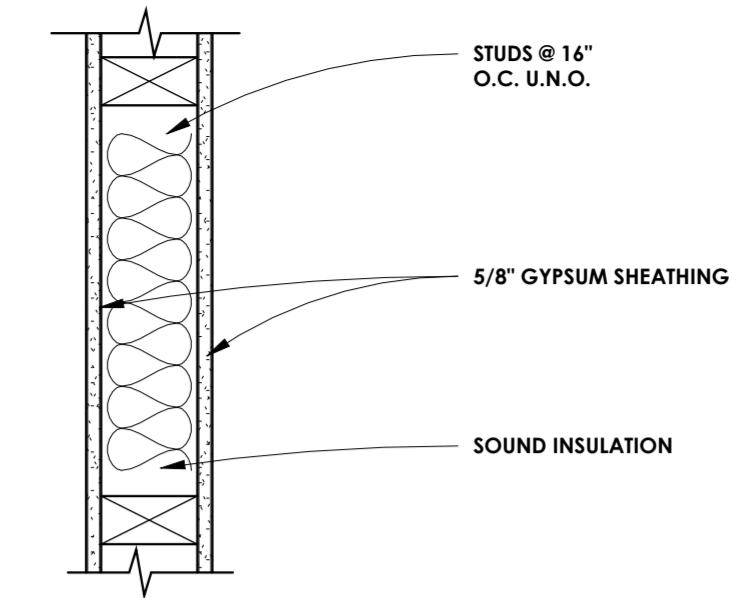
FLOOR TYPE 'FA1'



WALL TYPE 'XW2'



WALL TYPE 'XW1'



WALL TYPE 'WA'

WALL TYPE 'WA'						
WALL TAG	STUD SIZE & SPACING	G.B. THICK	WIDTH	INSUL THICK.	RATING UL NO.	COMMENTS
WA4	2x4 @ 16" O.C.	5/8"	4 3/4"	3 1/2"	-	-
WA6	2x6 @ 16" O.C.	5/8"	6 3/4"	5 1/2"	-	-



REVISION SCHEDULE		
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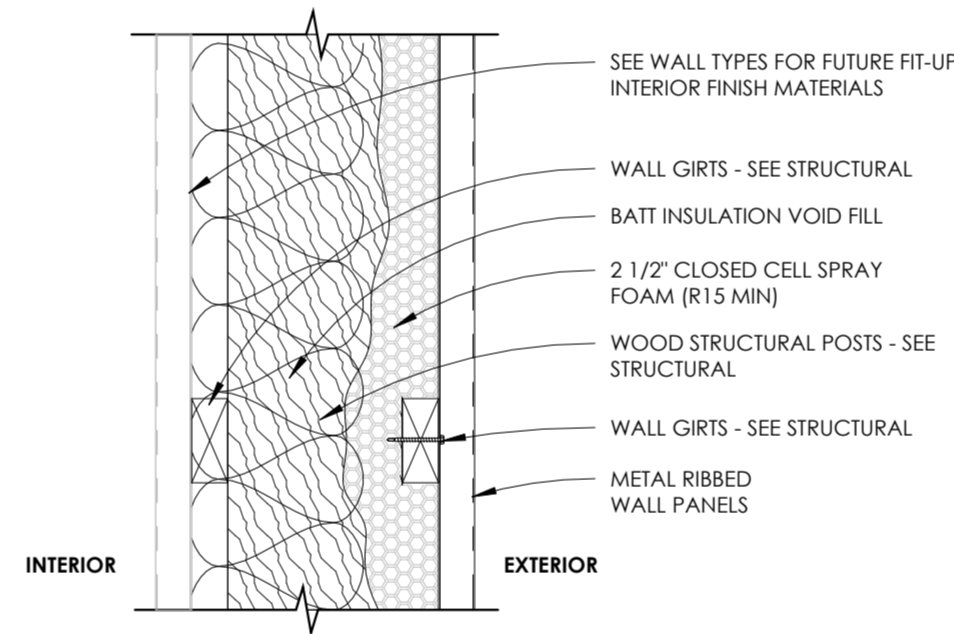
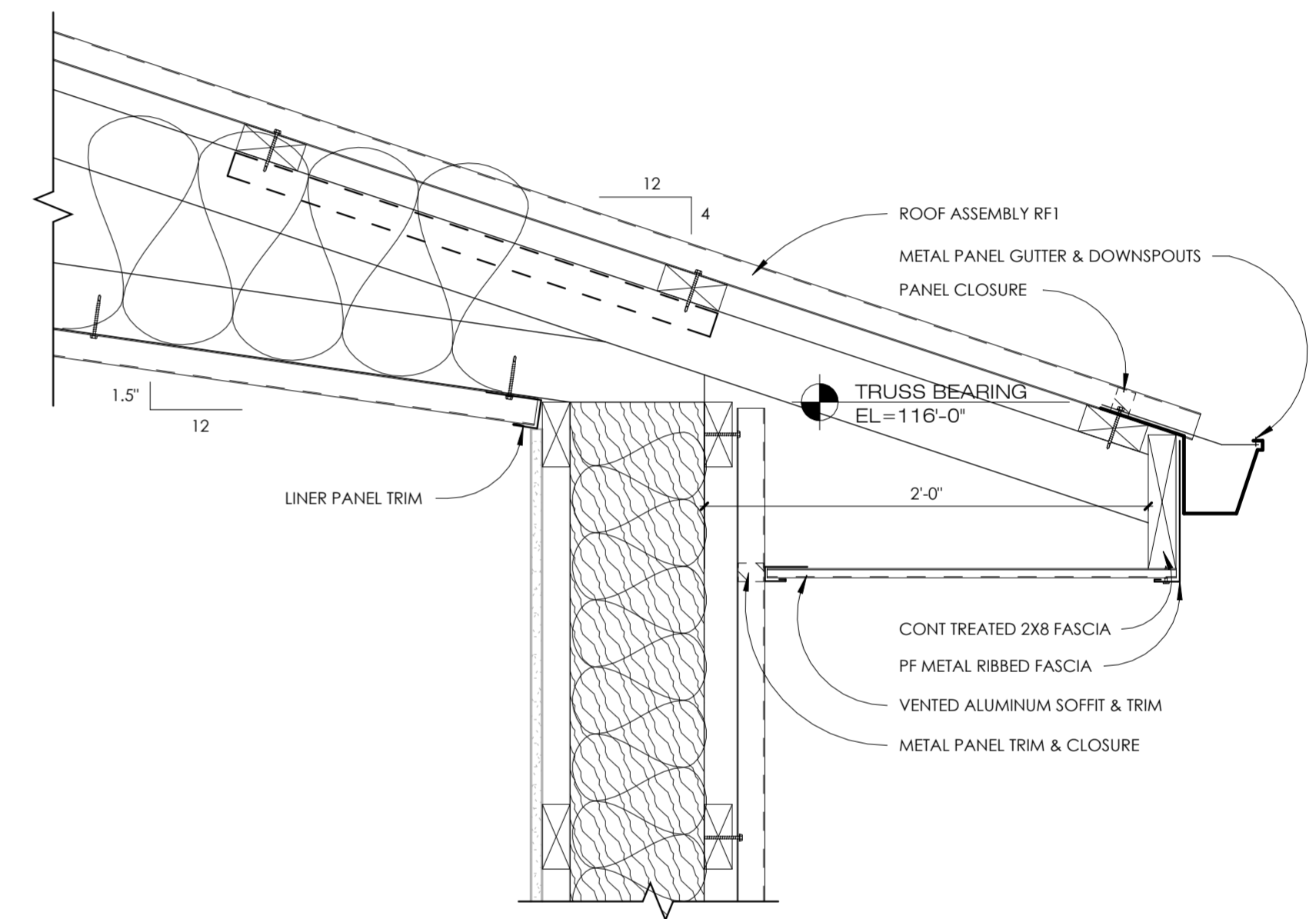
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OAKES GARRISON DIVERSION - BUILDING SHELL

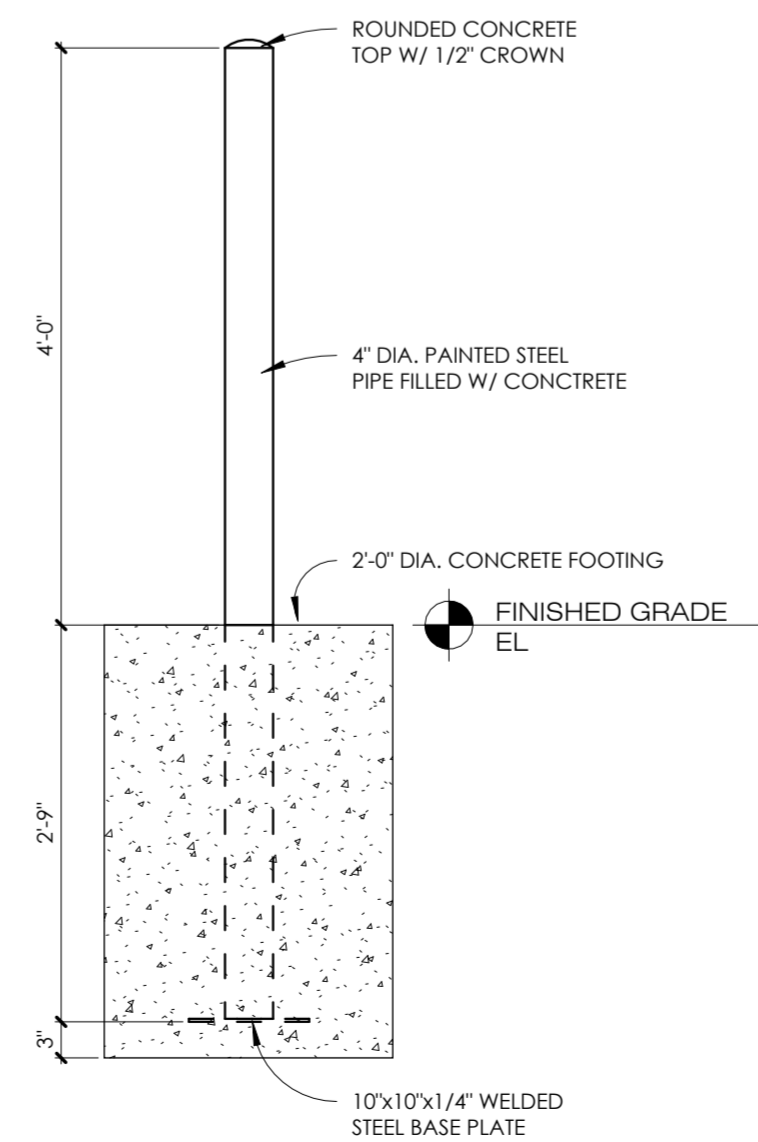
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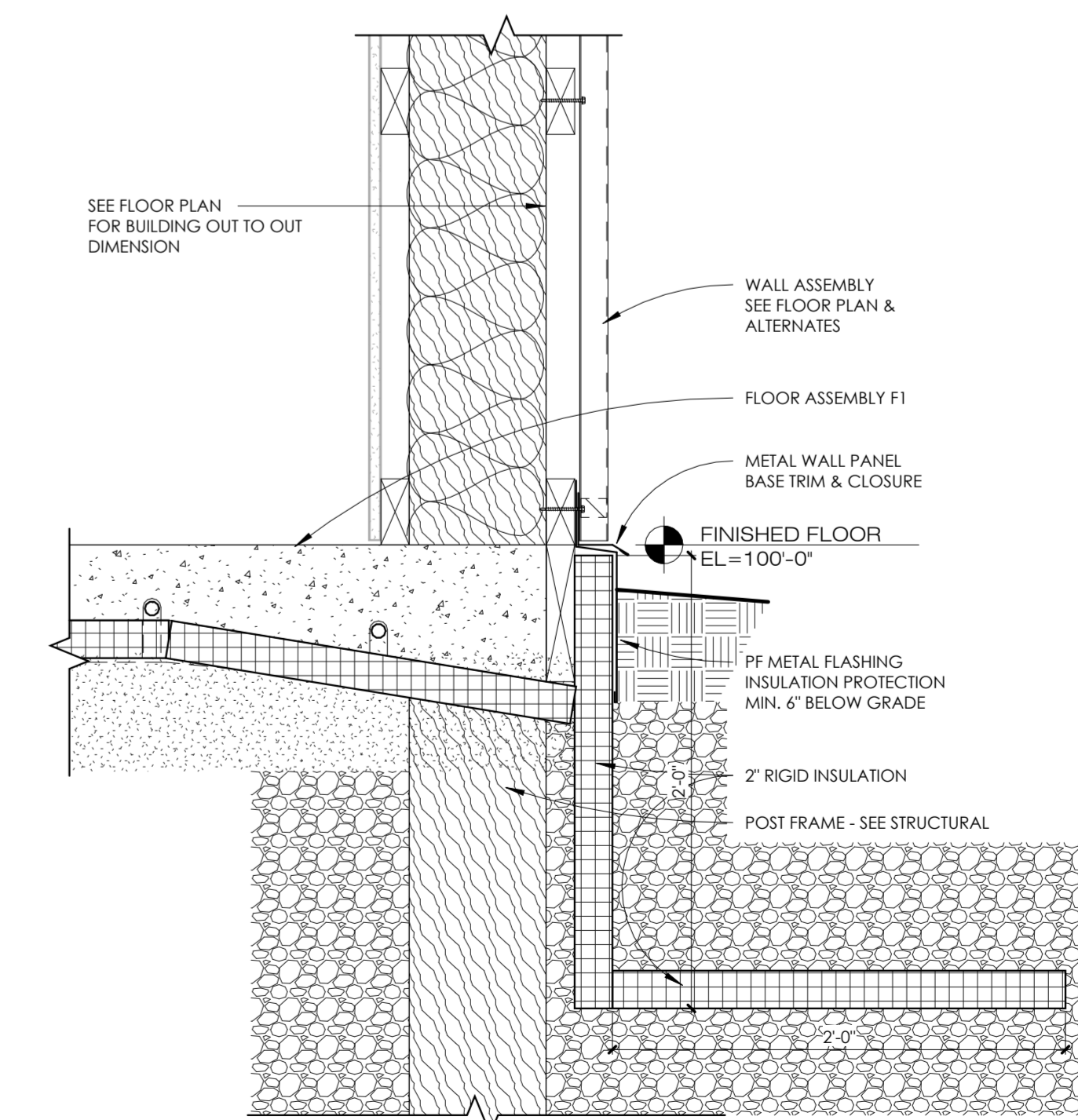
BUILDING DETAILS
A500



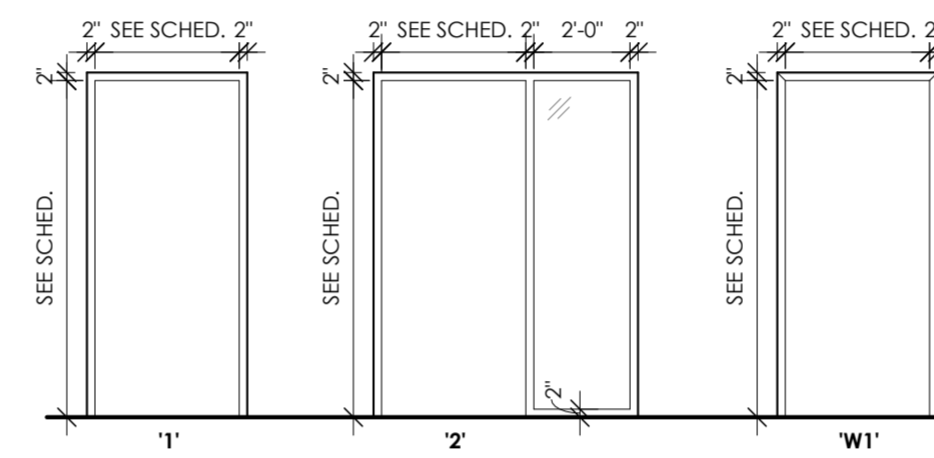
8 ALTERNATE EXTERIOR WALL INSULATION DETAIL
A500 1 1/2" = 1'-0"



2 PIPE BOLLARD DETAIL
A500 3/4" = 1'-0"



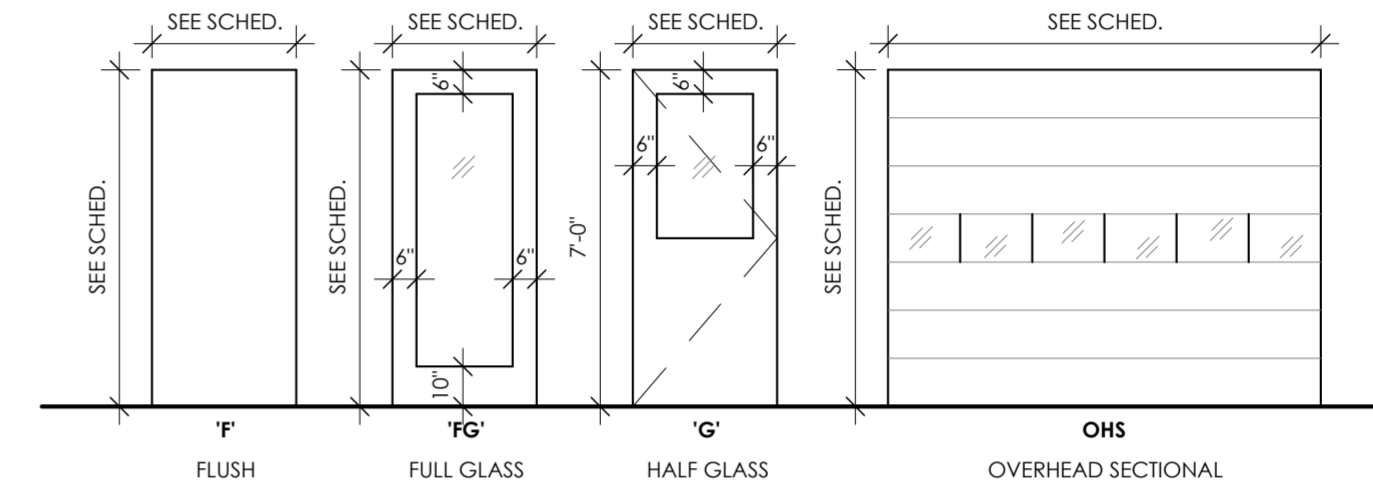
1 TYP. WALL SECTION
A500 1 1/2" = 1'-0"



- NOTES:**
1. PROVIDE TEMPERED GLAZING WHERE REQUIRED BY CODE.
 2. PROVIDE 4" MASONRY HEADS AT FRAME TYPES WITH AN "A" SUFFIX, I.E. "1A".

FRAME TYPES

1/4" = 1'-0"



- NOTES:**
1. PROVIDE TEMPERED GLAZING WHERE REQUIRED BY CODE.
 2. ALL EXTERIOR GLAZING TO BE INSULATED.
 3. ALL INTERIOR GLAZING TO BE 1/4".
 4. VERIFY ALL ROUGH OPENING DIMENSIONS.
 5. REFER TO SCHEDULE FOR DOOR MATERIAL AND FINISH.

DOOR TYPES

1/4" = 1'-0"

DOOR SCHEDULE																
DOOR NO.	ROOM NAME	SIZE			DOOR			FRAME			DETAILS			HW SET	SIGNAGE	Description
		WIDTH	HEIGHT	THK	TYPE	FINISH	GLAZE	TYPE	FINISH	GLAZE	HEAD	JAMB	SILL			
101	ENTRY	3'-0"	7'-0"	0'-1 3/4"	FG	PF	INSUL	2	PF	INSUL						N/A
102	CORRIDOR	3'-0"	7'-0"	0'-1 3/4"	G	PF	INSUL	W1	PF	N/A						N/A
103	CORRIDOR	3'-0"	7'-0"	0'-1 3/4"	G	PF	1/4"	W1	PF	N/A						N/A
113B	EQUIPMENT STORAGE & SHOP	6'-0"	7'-0"	0'-1 3/4"	G	PF	1/4"	D1	PF	N/A						N/A
114A	EQUIPMENT STORAGE & SHOP	3'-0"	7'-0"	0'-1 3/4"	G	PF	1/4"	W1	PF	N/A						N/A
114B	EQUIPMENT STORAGE & SHOP	3'-0"	7'-0"	0'-1 3/4"	G	PF	1/4"	W1	PF	N/A						N/A
114C	EQUIPMENT STORAGE & SHOP	12'-0"	12'-0"	0'-3"	OHS	PF	INSUL		PF	N/A						N/A
114D	EQUIPMENT STORAGE & SHOP	20'-0"	16'-0"	0'-3"	OHS	PF	INSUL		PF	N/A						N/A
201	MEZZ. STORAGE	3'-0"	7'-0"	0'-1 3/4"	F	PF	N/A	W1	PF	N/A						N/A

WINDOW SCHEDULE									
MARK	R.O.		MFR	DETAIL			HEAD HEIGHT	NOTES	
	WIDTH	HEIGHT		HEAD	JAMB	SILL			
W1	3'-0"	4'-0"	FIBERGLASS				7'-0"		

ROOM FINISH SCHEDULE									
ROOM NO.	ROOM NAME	FINISH							NOTES
		FLOOR	BASE	WALL - EAST	WALL - NORTH	WALL - SOUTH	WALL - WEST	CEILING	
100	BUSINESS SUITE	1	1	1	1	1	1	1	
101	ENTRY								NOT IN BID PACKAGE
102	CORRIDOR								NOT IN BID PACKAGE
103	CORRIDOR								NOT IN BID PACKAGE
104	OFFICE								NOT IN BID PACKAGE
105	OFFICE								NOT IN BID PACKAGE
106	OFFICE								NOT IN BID PACKAGE
107	MEETING/LEARNING CENTER								NOT IN BID PACKAGE
108	DEMO KITCHEN								NOT IN BID PACKAGE
109	WORKROOM & STORAGE								NOT IN BID PACKAGE
110	WOMEN'S RESTROOM								NOT IN BID PACKAGE
111	MEN'S RESTROOM								NOT IN BID PACKAGE
112	SAMPLE PREP/PROCESSING								NOT IN BID PACKAGE
113	SAMPLE CLEANING								NOT IN BID PACKAGE
114	EQUIPMENT STORAGE & SHOP 1	1	1	1	1	1	1	1	
115	MECHANICAL								NOT IN BID PACKAGE
200	STAIRS								NOT IN BID PACKAGE
201	MEZZ. STORAGE								NOT IN BID PACKAGE

- FLOOR FINISH:**
1. SEALED CONCRETE
- BASE:**
1. N/A
- WALL:**
1. EXPOSED EXTERIOR INSULATED STUD WALLS
- CEILING:**
1. PF METAL LINER PANEL

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

NOT FOR CONSTRUCTION

OAKES GARRISON DIVERSION - BUILDING SHELL

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PROJECT PHASE	
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SCHEDULES

A600

GENERAL STRUCTURAL NOTES:

- THE GOVERNING BUILDING CODE IS THE INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION AS APPROVED AND AMENDED BY THE CITY OF OAKES, ND.
- CONTRACT DOCUMENTS INCLUDE THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, BUT DO NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR OTHER SUBMITTALS BY THE CONTRACTOR.
- CONTRACTOR SHALL CROSS VERIFY ALL CONTRACT DOCUMENTS, ELEVATIONS, DIMENSIONS, AND EXISTING CONDITIONS PRIOR TO STARTING WORK. DISCREPANCIES OR CONFLICTS SHALL BE NOTED TO THE EOR IMMEDIATELY FOR REMEDIATION. SPECIFIC NOTES AND DETAILS SHALL PRESIDE OVER GENERAL NOTES AND SPECIFICATIONS.
- THE DIMENSIONS, LOCATIONS, AND DETAILS SHOWN ON THE DRAWINGS ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF THE DRAWINGS BEING ISSUED. DEVIATIONS WHICH ARE NECESSARY OR WHICH CONFLICT SHALL BE REPORTED TO THE EOR. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR DEVIATIONS NOT APPROVED BY THE EOR.
- COSTS OF ADDITIONAL DESIGN WORK DUE TO THE SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSION IN CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. THE STRUCTURAL DRAWINGS REFLECT THE COMPLETED STRUCTURE. BRAOING, SHORING, AND PROTECTION DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE STRUCTURE SHALL NOT BE LOADED WITH CONSTRUCTION MATERIALS AND EQUIPMENT THAT EXCEEDS THE DESIGN LOADS.
- PENETRATIONS NOT SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE EOR BEFORE PLACING THROUGH STRUCTURAL ELEMENTS. CONTRACTOR SHALL PROVIDE A CAST-IN SLEEVE FOR ALL HORIZONTAL ELEMENTS THAT EXTEND THROUGH FOOTING AND FOUNDATION WALL, SUCH AS DRAIN TILE, CONDUIT, PIPING, ETC. COORDINATE SLEEVES WITH EOR. SEE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR ALL PENETRATIONS AND EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- CONTRACTOR TO VERIFY ALL WEIGHTS, LOCATIONS & DIMENSIONS OF MECH. EQUIPMENT SHOWN AND NOTIFY THE EOR OF ANY DISCREPANCIES. COORDINATE THIS INFORMATION WITH ALL NECESSARY INDIVIDUALS.
- PERIODIC SITE OBSERVATION BY REPRESENTATIVES OF SANDMAN STRUCTURAL ENGINEERS IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DRAWINGS. A LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE REVIEW OF THE EOR.
- SEE THE FOLLOWING DETAILS FOR STANDARD DETAILS:

CIP CONCRETE & FOUNDATION: 1/S301

SHOP DRAWING & DEFERRED DESIGN SUBMITTAL NOTES:

- CONTRACTOR TO FURNISH COMPLETE AND DETAILED SHOP DRAWING & SUBMITTALS FOR REVIEW AND APPROVAL BY THE EOR. THE FOLLOWING ARE REQUIRED FOR THIS PROJECT

SHOP DRAWING OR SUBMITTAL	NOTES/COMMENTS
CONCRETE MIX DESIGNS	BY 3RD PARTY TESTING AGENCY
CONCRETE REINFORCEMENT	-
LUMBER MATERIAL GRADE & DOWEL-TYPE FASTENERS	-
METAL PLATE CONNECTED WOOD TRUSSES	DEFERRED SUBMITTAL: SEE NOTE #4

- CONTRACT DRAWINGS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. ALL SHOP DRAWINGS MUST BEAR THE REVIEW STAMP OF THE CONTRACTOR BEFORE THEY ARE REVIEWED BY THE EOR.
- SHOP DRAWINGS SHALL SHOW ALL FIELD DETAILS AND ADDITIONAL INFORMATION NEEDED FOR THE CONTRACTOR TO CONSTRUCT THE BUILDING PER THE CONTRACT DOCUMENTS.
- STRUCTURAL COMPONENTS/SYSTEMS DESIGNATED AS A "DEFERRED SUBMITTAL" OR AS "DELEGATED DESIGN" DESIGNED BY OTHERS" OR "PRE-ENGINEERED" MUST INCLUDE A CALCULATION PACKAGE THAT IS STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, LICENSED IN THE STATE THE PROJECT WILL BE CONSTRUCTED, PRIOR TO SUBMITTAL FOR APPROVAL TO THE EOR.
- SHOP DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE DURING TIMES OF INSPECTION AND SHALL BE CLEARLY INDICATED THAT THEY HAVE BEEN REVIEWED AND APPROVED BY THE EOR.
- REVIEW OF SUBMITTALS AND SHOP DRAWINGS BY THE EOR DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR THE ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- ALL HANDRAIL AND GUARDRAIL SYSTEMS SHALL BE DESIGNED TO RESIST ASCE-7 CHAPTER 4 DESIGN LOADING CRITERIA AND TO TRANSFER THESE LOADS THROUGH THE SUPPORTS TO THE STRUCTURE.
- STEEL STAIR ASSEMBLIES TO SUPPORT MINIMUM UNIFORM LIVE LOAD OF 100 PSF AND CONCENTRATED LIVE LOAD OF 300 LB AS PER ASCE-7.

FOUNDATION NOTES:

- FOOTINGS ARE DESIGNED FOR AN ASSUMED NET ALLOWABLE SOIL BEARING PRESSURE OF 1500PSF FOR STRIP FOOTINGS AND 1500PSF FOR PAD FOOTINGS. THE ASSUMED ALLOWABLE SOIL BEARING PRESSURE SHALL BE VERIFIED BY A LICENSED GEOTECHNICAL ENGINEER AT TIME OF CONSTRUCTION.
- PROTECT FOOTING EXCAVATIONS FROM WATER, MOISTURE, OR FROST INFILTRATION. PRIOR TO PLACEMENT OF FOOTING CONCRETE, CLEAN FOOTING EXCAVATIONS OF SNOW, WATER, MUD, DIRT, AND DEBRIS. DO NOT PLACE FOOTINGS OR BACKFILL ON FROZEN SUB GRADE.
- FROST COVER FOR FOOTINGS SHALL BE PER RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. SEE PLAN FOR TOP OF FOOTING ELEVATIONS AND DETAILS FOR FOOTING STEP REQUIREMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE EOR IMMEDIATELY OF ANY SPECIAL SOIL OR WATER CONDITIONS THAT EXIST ON SITE.
- BACKFILL & COMPACTION SHALL BE INSPECTED AND TESTED BY A LICENSED GEOTECHNICAL ENGINEER OR QUALIFIED FIELD TECH. THE SUBMITTAL OF TESTING REPORTS SHALL BE PER SPECIAL INSPECTION REQUIREMENTS.
- BACKFILL SHALL BE COMPACTED BY MECHANICAL MEANS. WATER INFILTRATION SHALL NOT BE ALLOWED. BACKFILL SHALL BE PLACED IN ALTERNATING LIFTS ON EACH SIDE OF THE FDN WALLS FOR STABILITY.
- UNLESS SPECIFICALLY PRESCRIBED IN A GEOTECHNICAL REPORT, BACKFILL SHALL BE PLACED AND COMPACTED IN LOOSE LIFTS WITH THICKNESS OF 6" OR LESS. MOISTURE CONTENT AT THE TIME OF COMPACTED SHOULD BE +/- 3% OF OPTIMUM MOISTURE AND IT IS RECOMMENDED ALL ENGINEERED FILL BELOW FOOTINGS BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR MAX DENSITY (ASTM D698-00a).
- WALL FOOTINGS ARE TO BE CENTERED ON WALLS UNO PAD FOOTINGS ARE TO BE CENTERED ON COLUMNS UNO.
- CONTRACTOR TO COORDINATE INTERIOR & EXTERIOR TOP OF FOOTINGS WITH MEP CONTRACTORS, PRIOR TO START OF CONSTRUCTION. PLUMBING TO BE ROUTED ABOVE FOOTINGS UNLESS APPROVED BY EOR. FOOTINGS MAY NEED TO BE LOCALLY LOWERED TO ACCOUNT FOR ADJACENT PLUMBING LINES OR BASINS THAT COULD UNDERMINE SUPPORTING SOIL ALONGSIDE OR BELOW FOOTINGS.
- IF SHOWN ON FOUNDATION PLAN, DRAINTILE IS FOR GRAPHICAL REPRESENTATION ONLY. SIZE AND LAYOUT TO BE CONFIRMED WITH MEP CONTRACTOR AND CIVIL DRAWINGS.

DESIGN CRITERIA/DESIGN LOADS:

SNOW LOAD DESIGN CRITERIA			
GROUND SNOW LOAD	Pg	40 PSF	-
SNOW IMPORTANCE FACTOR	Is	1.0	-
EXPOSURE FACTOR	Ce	1.0	-
THERMAL FACTOR	Ct	1.1	TYPICAL
THERMAL FACTOR	Ct	1.2	CANOPY
SLOPED ROOF FACTOR	Cs	0.86	TYPICAL/CANOPY

ROOF DESIGN LOADS			
LOAD TYPE	NOTATION	LOAD	NOTES
SNOW LOAD	S	26.5 PSF	TYPICAL (Pt or Ps)
SNOW LOAD	S	80 PSF	CANOPY
LIVE LOAD	RLL	20 PSF	-
DEAD LOAD	D	10 PSF	D TC = 5 PSF / D BC = 5 PSF

NOTES: ALL ROOF COMPONENTS SHALL BE DESIGNED FOR DRIFT LOADS AND BALANCED & UNBALANCED SNOW LOADING PER ASCE 7. SEE PLAN FOR SNOW DRIFT LOADS

WIND LOAD DESIGN CRITERIA			
ULT. DESIGN WIND SPEED	V-ult	115 MPH	-
NOMINAL DESIGN WIND SPEED	V-asd	90 MPH	-
RISK CATEGORY	-	II	-
EXPOSURE CATEGORY	-	C	-
INTERNAL PRESSURE COEFFICIENT	Gcpi	+/- 0.18	-
C & C BASE PRESSURE	qh-ult	24.2 PSF	-

SEISMIC DESIGN CRITERIA			
RISK CATEGORY	II	-	-
IMPORTANCE FACTOR (Ie)	1.0	-	-
SITE CLASS	D	ASSUMED	-
MAPPED SPECTRAL RESPONSE (Ss)	0.06	-	-
MAPPED SPECTRAL RESPONSE (S1)	0.019	-	-
SPECTRAL RESPONSE COEFFICIENT (SDS)	0.064	-	-
SPECTRAL RESPONSE COEFFICIENT (SD1)	0.031	-	-
SEISMIC DESIGN CATEGORY	A	-	-
BASIC SEISMIC FORCE-RESISTING SYSTEM	R=1.5	TIMBER FRAMES	-
DESIGN BASE SHEAR (V)	0.01 W	-	-
SEISMIC RESPONSE COEFFICIENT (Cs)	0.01	-	-
ANALYSIS PROCEDURE USED	-	EQUIVALENT LATERAL FORCE	-

METAL PLATE CONNECTED WOOD TRUSS NOTES:

- METAL PLATE CONNECTED WOOD TRUSSES SHALL BE ENGINEERED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF THE PROJECT. A SEALED COVER SHEET SHALL BE SUBMITTED WITH THE SHOP DRAWINGS AT THE TIME OF SUBMITTAL. SHOP DRAWINGS DESIGN SUBMITTAL TO COMPLY WITH IBC SECTION 2303.4.
- WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", AFPA, AND "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION."
- TRUSSES TO BE DESIGNED TO SATISFY THE FOLLOWING DEFLECTION REQUIREMENTS. TRUSS SUPPLIER TO PROVIDE CAMBER AS NECESSARY TO COUNTER DEFLECTIONS.
ROOF TL = L/360 FLOOR TL = L/360
ROOF LL = L/480 FLOOR LL = L/480
- PER TPI DEFLECTION TOTAL LOAD (TL) = KxDL+LL
[NOTE: 'LL' TO BE EITHER SNOW, RAIN, WIND, OR LIVE]
PER TPI CREEP FACTOR (K) TO BE 1.0 (NON-WOOD FRAMING), 1.5 (SOLID SAWN OR SCL WOOD, DRY USE), OR 2.0 (METAL PLATE CONNECTED WOOD TRUSSES, DRY USE). PARTITION WALLS BELOW TRUSSES TO BE FRAMED TO ALLOW FOR THIS EXPECTED DEFLECTION.
- TRUSS SUPPLIER TO MAKE EVERY EFFORT TO FOLLOW FRAMING SCHEME AS THE LOADS HAVE BEEN DISTRIBUTED TO THE FOUNDATION ACCORDINGLY. IF REVISED FRAMING DIRECTIONS ARE DESIRED BY SUPPLIER, PLAN MUST BE SUBMITTED FOR APPROVAL PRIOR TO FOUNDATION CONSTRUCTION.
- UNO ON DRAWINGS, EOR HAS NOT PROVIDED STRUCTURAL SHEATHING BENEATH THE BOTTOM CHORD OF ROOF OR FLOOR TRUSSES FOR BRACING.
- ALL HARDWARE (BOLTS, HANGERS, STRAPS, ETC) REQUIRED FOR CONNECTIONS BETWEEN TRUSSES SHALL BE DESIGNED AND SUPPLIED BY THE TRUSS ENGINEER AND SUPPLIER.
- UNO, ROOF TRUSSES SHALL BE ATTACHED TO THE TOP PLATE AT ALL BEARING CONDITIONS WITH SIMPSON H2.5T CLIPS INSTALLED PER MANUFACTURER'S INSTRUCTIONS. GIRDERS AND ROOF BEAMS SHOULD BE ATTACHED TO BEARING SUPPORTS WITH (2) H2.5T CLIPS. TRUSS SUPPLIER TO PROVIDE BEARING BLOCKS AS REQUIRED BY DESIGN.
- DO NOT CUT OR REMOVE TRUSS MEMBERS OR MAKE FIELD ALTERATIONS TO THE TRUSSES.
- LAYOUT AND SPACING GUIDELINES ON PLAN ARE FOR REFERENCE ONLY UNLESS SPECIFICALLY DIMENSIONED OR DETAILED.
- GIRDER TRUSSES SHALL BE SUPPORTED BY SAME NUMBER OF STUDS AS TRUSS PLIES (MIN OF 2 STUDS) WITH CONTINUOUS SOLID BEARING TO THE FOUNDATION. AVOID BEARING GIRDER TRUSSES OVER WALL OPENINGS, UNLESS OTHERWISE DIMENSIONED ON PLAN.
- THE GUIDELINES SET FORTH BY THE TRUSS PLATE INSTITUTE (TPI) & SCBA PUBLICATION BSCI "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING, AND BRACING OF METAL PLATE CONNECTED WOOD TRUSSES" SHALL BE FOLLOWED BY THE TRUSS INSTALLER.
- THE METAL PLATE CONNECTED WOOD TRUSS SUPPLIER SHALL SUPPLY THE CURRENT BCSI B-SERIES SUMMARY SHEETS WITH THE TRUSS ERECTION DRAWINGS OUTLINING THE PROPER HANDLING, ERECTING, AND BRACING OF TRUSSES.
- ERECTION BRACING OF WOOD TRUSSES IS THE RESPONSIBILITY OF THE TRUSS INSTALLER. THE TRUSS INSTALLER SHALL PROVIDE TEMPORARY DIAGONAL, LATERAL, & CROSS BRACING (PER BSCI GUIDE) UNTIL ROOF SHEATHING, CEILING & PERMANENT BRACING CAN BE APPLIED & SHEARWALLS COMPLETED.
- PERMANENT BRACING OF WOOD TRUSSES SHALL BE INSTALLED BY THE TRUSS INSTALLER, WHERE INDICATED BY THE TRUSS ERECTION DRAWINGS. MINIMUM BRACING REQUIREMENTS FOR TOP CHORD, BOTTOM CHORD, & WEB MEMBER PLANES SHALL BE IN ACCORDANCE WITH BCSI GUIDE UNLESS REQUIREMENTS NOTED ON THE PLAN ARE MORE STRICT.
- SEE METAL PLATE CONNECTED WOOD TRUSS SHOP DRAWINGS FOR PERMANENT WEB AND CHORD BRACING LOCATIONS AND REQUIREMENTS.

CONCRETE AND STEEL REINFORCEMENT NOTES:

- CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO AMERICAN CONCRETE INSTITUTION (ACI) CODES AND SPECIFICATIONS, LATEST EDITION.

ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
ACI 315 "DETAILS & DETAILING OF CONCRETE REINFORCEMENT"
ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
ACI 308R "COLD WEATHER CONCRETING"
- CAST-IN-PLACE CONCRETE COMPRESSIVE STRENGTHS REQUIRED (28 DAY):

FOOTINGS 4000 PSI PIERS / COLUMNS 4000 PSI
EXTERIOR SLABS 4500 PSI INTERIOR SLABS 4000 PSI
(AIR ENTRAINED 5%-7% / SEE SPECS)
- SUBMIT CONCRETE MIX DESIGN & STRENGTH DATA TO EOR FOR APPROVAL. ALL ADMIXTURES ARE THE RESPONSIBILITY OF THE CONCRETE SUPPLIER'S ENGINEER.
- CAST-IN-PLACE CONCRETE SHALL BE SUBJECT TO TESTING BY AN INDEPENDENT TESTING LABORATORY, SEE SPECS AND SPECIAL INSPECTION REQUIREMENTS.
- ALL CONCRETE SHALL BE PLACED PER ACI & THOROUGHLY CONSOLIDATED BY MEANS OF A VIBRATOR, PARTICULARLY AROUND REINFORCEMENT STEEL AND CORNERS OF FORM WORK.
- REINFORCING STEEL SHALL BE GRADE 60 DEFORMED, BILLET-STEEL, ASTM A615, UNO.
- WELDED REINFORCING STEEL SHALL BE GRADE 60, LOW CARBON, ASTM A706, WHICH IS SPECIALLY MANUFACTURED TO BE WELDABLE.
- WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A82 AND A185 STANDARDS AND SHALL BE PLACED IN THE CENTER OF THE SLAB, UNO. LAP JOINTS A MINIMUM OF 6". EXTEND FABRIC TO BE WITHIN 1" OF SLAB EDGES.
- PROVIDE ADEQUATE BOLSTERS, HIGH CHAIRS, SUPPORT BARS, ETC TO MAINTAIN THE SPECIFIED CLEARANCES FOR THE ENTIRE LENGTH OF ALL REINFORCING STEEL AND WELDED WIRE FABRIC.
- PROVIDE EXTRA REINFORCEMENT AROUND ALL OPENINGS GREATER THAN 8" SQUARE OR ROUND. PROVIDE (2) #5 BARS @ 3" OC FOR EACH MAT OF BARS, AT EACH SIDE AND CORNER OF OPENING EXTENDING MINIMUM 18" PAST CORNER OF THE OPENING. PLACE 2" CLEAR FROM OPENING.
- SEE DETAILS FOR REINFORCING LAP SCHEDULE, UNO ON PLAN OR DETAILS.
- CAST DOWELS, WITH STD 90 DEGREE HOOK, IN FOOTINGS FOR CONCRETE PIERS AND WALLS ABOVE. DOWELS SHALL BE THE SAME SIZE AND QTY AS THE VERTICAL REINFORCING (UNO)
- SUPPLY 50 FEET EXTRA OF #5 REBAR FOR MISC. PLACEMENT AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL INCLUDE LABOR ALLOWANCE FOR PLACEMENT.
- EXTERIOR SLABS SHALL DRAIN FREELY AWAY FROM THE BUILDING. SEE CIVIL AND ARCH. DRAWINGS FOR ELEVATIONS AND SLOPES.
- CONTROL SAWCUT JOINTS ARE TO BE EXECUTED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE FROM DISLODGING BY SAW AND PRIOR TO SHRINKAGE STRESS CRACKING. SEE DETAIL 1/S301 FOR SLAB CONSTRUCTION JOINTS (CCJ) AND FOR SLAB CONTROL JOINTS (CJ). CONTRACTOR SHALL SUBMIT A PROPOSED JOINT LAYOUT TO ARCHIEVING FOR APPROVAL PRIOR TO SLAB PLACEMENT.

- CONTROL JOINTS SHALL BE ON COLUMN LINES AND @ RE-ENTRANT CORNERS TO THE GREATEST EXTENT POSSIBLE WITH SPACING LESS THAN 16" OC BETWEEN.
- CONSTRUCTION JOINTS SHALL BE LOCATED SO AS NOT TO ALLOW A SINGLE SLAB POUR TO EXCEED 4000 SQUARE FEET UNLESS ALTERNATE MEASURES ARE TAKEN TO CONTROL SLAB CURLING & SHRINKAGE.
- PROVIDE CJ OR CCJ JOINTS SO AS NOT TO EXCEED A SLAB UNIT ASPECT RATIO OF 1.5:1.

- SYNTHETIC FIBER REINFORCEMENT, WHERE SPECIFIED ON PLAN FOR SLABS-ON-GRADE, TOPPINGS AND/OR SLABS ON DECK, SHOULD BE MICROSYNTHETIC AND SHALL CONFORM TO ASTM C 1116/C (TYPE III) AND ACI 544 DOCUMENTS. DOSAGE RATE TO BE SPECIFIED BY THE CONCRETE MIX DESIGNER TO COMPLY WITH THE FOLLOWING REQUIREMENTS: FIBER DOSAGE TO BE EQUIVALENT TO THE DISTRIBUTED STEEL REINFORCEMENT OF ACI 318 FOR MINIMUM SHRINKAGE AND TEMPERATURE REINFORCEMENT RATIO OF 0.018 (UNO). RESIDUAL STRENGTH AFTER FIRST CRACK SHALL BE BETWEEN 20% AND 25%. MIX DESIGN SUBMITTAL TO INCLUDE DOSAGE RATES, ENGINEERING DATA, AND HISTORICAL PERFORMANCE DATA FROM THE FIBER MANUFACTURER/SUPPLIER.
 - DOSAGE OF FIBER FOR SLABS ON COMPOSITE STEEL DECKING SHALL NOT BE LESS THAN 4LB/CUBIC YARD, AS RECOMMENDED IN ANSIS/DI C - 2011.
- SEE ARCH DRAWINGS FOR DIMENSIONS OF STOOPS, FOUNDATION WALL HOLDOUTS, SLAB RECESSES, SLOPED SLABS & FOUNDATION WALL INSULATION.

WOOD FRAMING NOTES:

- WOOD AND TIMBER CONSTRUCTION SHALL COMPLY WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) STANDARD SPECIFICATIONS.
- WOOD CONSTRUCTION SHALL CONFORM TO CHAPTER 23 (SECTIONS 2301, 2302, 2303, 2304, 2305, & 2306) OF THE 2018 IBC FOR MINIMUM REQUIREMENTS UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS. FOR MINIMUM FASTENING REFER TO TABLE IBC 2304.9.1. PER SECTION 2301.2, THE STRUCTURAL DESIGN OF THIS STRUCTURE HAS BEEN IN ACCORDANCE WITH THE "ALLOWABLE STRESS DESIGN" METHOD. PROVISIONS WITHIN SECTION 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION" DO NOT APPLY TO THIS STRUCTURE.
- ALL FRAMING LUMBER SHALL BE INSTALLED WITH MOISTURE CONTENT OF 19% OR LESS INDICATING "S-DRY" ON THE GRADE STAMP.
- ALL LUMBER IN CONTACT WITH CONCRETE, MASONRY OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED WITH WATERPROOFING TREATMENT, 28% MAX. MOISTURE CONTENT.
- ALL SIMPSON STRONG-TIE CONNECTORS USED WITH PRESSURE TREATED LUMBER SHALL BE "Z-MAX" COATED AS A MINIMUM OR REQUIRED COATING TO PROTECT CONNECTORS FROM SURFACE CHEMICALS. PROVIDE A PRESERVATIVE-TREATED BARRIER BETWEEN TREATED PLATES AND HOLD-DOWNS.
- LUMBER SHALL COMPLY WITH NATIONAL DESIGN SPECIFICATION (NDS), LATEST EDITION SUPPLEMENT FOR MINIMUM ALLOWABLE DESIGN STRESS VALUES FOR LUMBER GRADES SHOWN BELOW. ALL LUMBER FRAMING SHALL BE MARKED WITH A GRADE STAMP.

MINIMUM LUMBER DESIGN VALUES, UNO ON PLAN OR DETAILS (PSI), DESIGN VALUES TAKEN FROM NDS SUPPLEMENT: TABLES 4A, 4B, & 4D						
SPECIES & GRADE	Fb	Ft	Fv	FcP	Fc	E
LOAD BEARING WALL STUDS						
SPF #1/#2	875	450	135	425	1150	1,400,000
HEADERS/BEAMS/JOISTS						
HEM FIR #2	850	525	150	405	1300	1,300,000
TREATED BEAMS/JOISTS						
SOUTHERN PINE #1	1000	650	175	565	1400	1,600,000
TOP PLUHEADER PLUABOVE GROUND SILL PL						
SPF #1/#2	875	450	135	425	1150	1,400,000
TREATED SILL PL						
SOUTHERN PINE #2	1000	600	175	565	1400	1,400,000
TREATED POSTS (KDAT)						
SOUTHERN PINE #2	850	550	165	375	525	1,200,000
NON-TREATED POSTS						
DOUG FIR #2	750	475	170	625	700	1,300,000
FLOOR TRUSS END RIBBONS						
SPF #1/#2	875	450	135	425	1150	1,400,000

IF ALTERNATIVE GRADE OR SPECIES OF LUMBER IS DESIRED THAT IS EQUAL OR GREATER THAN THE ABOVE REQUIREMENTS, CONTRACTOR TO SUBMIT REQUEST TO ENGINEER FOR APPROVAL PRIOR TO ORDERING OF MATERIAL. SPF-S #2 IS SPRUCE-PINE-FIR SOUTH & IS NOT EQUIVALENT TO SPF #1/#2

A 1/2"x5" SIMPSON TITEN HD (GALV) MAY BE DIRECTLY SUBSTITUTED FOR CIP SILL PLATE ANCHORS.
- DIMENSIONAL LUMBER USED FOR HEADERS SHALL HAVE NO SPLITS OR CHECKS.
- PROVIDE STD CUT WASHERS PER STRUCTURAL DETAILS FOR ALL BOLTS IN WOOD MEMBERS. RE-TORQUE NUTS 48 HOURS AFTER FIRST TIGHTENING. SEE DRAWINGS FOR LOCATIONS OF SQ. PLATE WASHERS.
- NOTCHING OR CUTTING OF STRUCTURAL WOOD MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL FROM ENGINEER. HOLES BORED IN WALL STUDS OR JOISTS SHOULD BE IN THE CENTER HALF OF THE MEMBER AND SHALL NOT BE LARGER THAN 1/4 OF THE DEPTH OF THE MEMBER. ALLOWABLE CUTTING, NOTCHING, AND BORED HOLE PROVISIONS OF BCS SECTION 2308 DO NOT APPLY TO THIS STRUCTURE.
- LOAD BEARING STUD WALLS TO BE 2x6 @ 1'-4" OC UNO. SEE TABLE ABOVE FOR SPECIES & GRADE.
- EXTERIOR WALLS AND LOAD BEARING WALLS SHALL BE CAPPED WITH DOUBLE TOP PLATES. THE PLATES SHALL OVERLAP AT CORNERS AND AT INTERSECTIONS WITH OTHER LOAD BEARING WALLS. SEE STANDARD DETAILS.
- POSTS AND BEARING STUDS (JACKSKINGS) FOR BEAMS AND HEADERS SHALL BE CONTINUOUS TO THE FOUNDATION LEVEL. PROVIDE SQUASH BLOCKING BETWEEN FLOOR LEVELS TO MATCH THE WIDTH OF THE POST/STUD ASSEMBLY FROM ABOVE.
- TOP FLANGE OF ALL RAFTERS, JOISTS AND BEAMS TO BE LATERALLY SUPPORTED @ 24" OC MIN. PROVIDE BRSSING FOR TOP FLANGE AS REQUIRED TO NEAREST FRAMING MEMBER OR PROVIDE ADEQUATELY SUPPORTED PLYWOOD DECKING.
- PROVIDE SOLID BLOCKING AT BEARING POINTS OF ALL 2x JOISTS.
- METAL FRAMING ANCHORS AND HARDWARE SHOULD BE AS NOTED IN DETAILS. ALTERNATIVE HARDWARE THAT IS EQUAL OR GREATER IN CAPACITY MUST BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- FASTENERS IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. THIS INCLUDES NAILS, TIMBER RIVETS, SILL ANCHORS, WOOD SCREWS, THRU BOLTS, AND LAG SCREWS.
- STRUCTURAL LOAD BEARING OR LATERAL LOAD RESISTING WALLS ARE SHOWN ON THE PLAN. SEE ARCH DRAWINGS FOR PARTITION WALLS, PROVIDE NECESSARY CONNECTION/ALLOWANCE OF PARTITION WALLS TO UNDERSIDE OF FLOOR AND ROOF FRAMING TO ACCOUNT FOR FRAMING DEFLECTION.
- DRILL BOLT/ANCHOR HOLES IN WOOD 1/16" LARGER THAN THE NOMINAL DIAMETER OF THE BOLT. REPAIR OVERSIZED HOLES WITH BEARING PLATE WASHERS.
- ALL JOISTS, TRUSSES, HEADERS, AND BEAMS SHALL HAVE FULL BEARING UNO NOTED ON THE DETAILS.

- | MINIMUM DESIGN VALUES FOR ENGINEERED WOOD MATERIALS UNO ON PLAN OR DETAILS (PSI) | | | |
|--|------|------|-----------|
| MATERIAL AND FUNCTION | Fb | Fcd | E |
| LVL BEAMS | 2600 | N/A | 2,000,000 |
| LSL BEAMS | 2325 | N/A | 1,550,000 |
| PSL BEAMS | 2900 | N/A | 2,000,000 |
| PSL COLUMNS | N/A | 2500 | 1,800,000 |
- | MINIMUM DIMENSIONS OF FASTENERS, UNO (NDS APPENDIX L) UNITS = INCHES | | | | | | | | | |
|--|-------|-------|-------|------------------------------|--------|-------|-------|---|---|
| FASTENER TYPE | L | D | H | FASTENER TYPE | | | L | D | H |
| | | | | | | | | | |
| NAIL- 6d | 2 | 0.113 | 0.266 | NAIL: 16d | 3 1/2 | 0.162 | 0.344 | | |
| NAIL- 8d | 2 1/2 | 0.131 | 0.281 | NAIL: 30d | 4 1/2 | 0.207 | 0.438 | | |
| NAIL: 10d | 3 | 0.148 | 0.312 | #6 TYPE S OR W DRYWALL SCREW | 1 7/8" | N/A | N/A | | |
- L = LENGTH, D = DIAMETER, H = HEAD DIAMETER

ABBREVIATIONS AND SYMBOLS:

ALT	ALTERNATE	LSV	LONG SIDE VERTICAL
ALUM	ALUMINUM	LONG	LONGITUDINAL
AR	ANCHOR ROD	MAX	MAXIMUM
ARCH	ARCHITECT	MECH	MECHANICAL
BO	BOTTOM OF BEARING	MEP	MECH/ELECTRICAL/PLUMBING
BRG	CONSTRUCTION CONTROL JOINT	MIN	MINIMUM
CCJ	CAST IN PLACE CONTROL JOINT	MISC	MISCELLANEOUS
CIP	CONTROL JOINT	NFS	NOT TO SCALE
CJ	COMPLETE JOINT PENETRATION	NS	NON SHRINK
CL	CENTER LINE	OC	ON CENTER
CLR	CLEAR	OD	OUTSIDE DIAMETER
CMU	CONCRETE MASONRY UNIT	OF	OUTSIDE FACE
CONC	CONCRETE	OH	OVERHEAD
CONN	CONNECTION	OPP	OPPOSITE
CONT	CONTINUOUS	PAP	POWDER ACTUATED FASTENER
CONST	CONSTRUCTION	PC	PRECAST
COORD	COORDINATION	PEMB	PRE-ENGINEERED METAL BUILDING PLATE
DBE	DECK BEARING ELEVATION	PL	PLATE
DBL	DOUBLE	PLF	POUNDS PER LINEAR FOOT
DEG	DEGREE	PSF	POUNDS PER SQUARE FOOT
DIAG	DETAIL	PSI	POUNDS PER SQUARE INCH
DIA	DIAGONAL	RAD	RADIUS
DIM	DIMENSION	REF	REFERENCE
DL	DEAD LOAD	REIN	REINFORCING / REINFORCE
DT	DOUBLE TEE	RET	RETURN
DWG	DRAWING	RTU	ROOF TOP UNIT
DWL	DOWEL	RW	REINFORCE WITH SLIP CRITICAL SCHEDULE
EA	EACH	SC	SCHEDULE
EAF	EACH FACE	SD	SEE DETAIL
ELEV	ELEVATION	SF	SQUARE FOOTAGE
EOR	ENGINEER OF RECORD	SH	SIMILAR
EQ	EQUAL	SOG	SLAB ON GRADE
(E)	EXISTING	SQ	SPECIFICATIONS
EXP	EXPANSION	SS	SQUARE
EXT	EXTERIOR	SS	STAINLESS STEEL
E.W.	EACH WAY	STD	STANDARD
FBN	FABRICATOR	STIFF	STIFFENER
FD	FOUNDATION	STRUCT	STRUCTURAL
FT	FOOT	SW	WEAR WALL
FTG	FOOTING	TEMP	TEMPORARY
GA	GAUGE	T & G	TONGUE & GROOVE
GALV	GALVANIZE	THK	THICK / THICKENED
GC	GENERAL CONTRACTOR	TOB	TOP OF BEAM
GT	GIRDER TRUSS	TOF	TOP OF FOOTING
H	HOLLOW CORE	TOJ	TOP OF JOIST
HSA	HEADED STUD ANCHOR	TOW	TOP OF WALL
HORIZ	HORIZONTAL	TRANS	TOP OF STEEL TRANSVERSE
ID	INSIDE DIAMETER	TRANS	TRANSVERSE
IF	INSIDE FACE	TYP	TYPICAL
INT	INTERIOR	ULT	ULTIMATE
IT	INVERTED TEE	UNO	UNLESS NOTED OTHERWISE
JBE	JOIST BEARING ELEVATION	(V)	VERIFY
K	KIPS	VERT	VERTICAL
KLF	KIPS PER LINEAR FOOT	W	WITHOUT
KSF	KIPS PER SQUARE FOOT	W/O	WITHOUT WORK POINT
KSI	KIPS PER SQUARE INCH	WWF	WELDED WIRE FABRIC
LL	LIVE LOAD	@	DIAMETER
LLH	LONG LEG HORIZONTAL	@	AT
LSH	LONG LEG HORIZONTAL	L	ANGLE
LLV	LONG LEG VERTICAL	L	ELEVATION

SHEET LIST

Sheet Number	Sheet Name	Comments
S001	STRUCTURAL NOTES	-
S002	SPECIAL INSPECTIONS	-
S101	FOUNDATION PLAN	-
S201	ROOF FRAMING PLAN	-
S301	FOUNDATION DETAILS	-
S401	FRAMING DETAILS	-



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Proj. Engineer: **SP**
Drawn by: **JH**
Date Issued: **1/23/2023**

Revisions	DATE	COMMENTS
#		



OAKES GARRISON
DIVERSION -
BUILDING SHELL
OAKES, NORTH DAKOTA

SHEET CONTENTS:
STRUCTURAL NOTES

SHEET NO.

S001

2201-160

SPECIAL INSTRUCTIONS AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE, 2018 EDITION. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES.

GENERAL NOTES:

- 1. THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DRAWINGS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
3. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN THE IBC SECTION 110 AND SPECIFIC STRUCTURAL OBSERVATION AS MAY BE REQUIRED BY THE CODE.
4. THOUGH NOT REQUIRED BY CODE, SPECIAL INSPECTORS AND/OR INSPECTION AGENCIES CAN DOCUMENT ACCEPTANCE OF THEIR RESPONSIBILITIES AND SCOPE OF WORK FOR A PROJECT BY SIGNING AN AGREEMENT THAT INCLUDES A DETAILED SCHEDULE OF SERVICES, COMMONLY KNOWN AS THE SPECIAL INSPECTION AND TESTING AGREEMENT AND THE SPECIAL INSPECTION AND TESTING SCHEDULE. THIS DOCUMENT MAY REFERENCE THIS SHEET AS THE "STATEMENT OF SPECIAL INSPECTIONS," (SSI).
5. THE STRUCTURAL DESIGN METHODS AND/OR ASSUMPTIONS UTILIZED ARE BASED UPON THE SPECIAL INSPECTIONS REQUIRED WITHIN THE CONTRACT DOCUMENTS.

CONTRACTOR RESPONSIBILITIES AND DUTIES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND PROVIDING ADEQUATE NOTICE TO THE SPECIAL INSPECTORS FOR ALL INSPECTIONS. THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE REQUIRED ITEMS PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF WORK.
2. THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR ACCESS TO THE APPROVED CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER. THIS CURRENT SET OF DOCUMENTS SHALL BE AVAILABLE AT THE JOB SITE.
3. THE CONTRACTOR IS TO CORRECT DISCREPANCIES AND DEVIATIONS AS DETERMINED BY SPECIAL INSPECTOR. ALL DISCREPANCIES AND DEVIATIONS OBSERVED SHALL BE INSPECTED UNTIL THE SPECIAL INSPECTOR DEEMS CONSTRUCTION TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. THE CONTRACTOR IS TO RETAIN SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTORS AT THE JOB SITE.

SPECIAL INSPECTOR QUALIFICATIONS AND RESPONSIBILITIES:

- 1. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
2. SPECIAL INSPECTORS SHALL NOTIFY CONTRACTOR PERSONNEL OF THEIR PRESENCE AND RESPONSIBILITIES AT THE JOBSITE.
3. THE SPECIAL INSPECTOR/TESTING AGENCY SHALL BE INDEPENDENT OF THE CONTRACTOR TO AVOID CONFLICT OF INTEREST.
4. THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THESE DOCUMENTS INCLUDE SEALED DRAWINGS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, APPROVED SHOP DRAWINGS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY THE ARCHITECT/ENGINEER.
5. SPECIAL INSPECTORS SHALL KEEP ORGANIZED RECORDS OF INSPECTIONS AND SUBMIT INSPECTION REPORTS WITH A MINIMUM WEEKLY FREQUENCY TO THE CONTRACTOR, BUILDING OFFICIAL, ENGINEERS, AND ARCHITECTS INDIVIDUALLY. REPORTS SHOULD INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION TO THE CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THEY SHOULD BE REPORTED TO THE BUILDING OFFICIAL AND TO THE ENGINEER OF RECORD.
6. A FINAL SIGNED REPORT IS TO BE SUBMITTED AT THE END OF THE PROJECT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES. THIS REPORT SHOULD STATE THAT ALL ITEMS REQUIRING SPECIAL INSPECTION AND TESTING WERE FULFILLED AND REPORTED TO THE BEST OF THEIR KNOWLEDGE IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS, AND THE APPLICABLE PROVISIONS OF THE IBC. ITEMS NOT IN CONFORMANCE, UNRESOLVED ITEMS, OR ANY DISCREPANCIES IN INSPECTION COVERAGE SHOULD BE SPECIFICALLY ITEMIZED.
7. THE FOLLOWING ARE THE QUALIFICATIONS FOR INDIVIDUALS PERFORMING SPECIFIC INSPECTIONS OR TESTS INCLUDING IN THIS PROJECT'S SSI.

- A. AMERICAN CONCRETE INSTITUTE (ACI): CONCRETE FIELD TESTING TECHNICIAN - GRADE 1 (ACI-CFTT) CONCRETE CONSTRUCTION INSPECTOR (ACI-CCI) LABORATORY TESTING TECHNICIAN - GRADE 1 OR 2 (ACI-LTT) STRENGTH TESTING TECHNICIAN (ACI-STT)
B. AMERICAN WELDING SOCIETY (AWS): CERTIFIED WELDING INSPECTOR (AWS-CWI) CERTIFIED STRUCTURAL STEEL INSPECTION (AWS/AISC-SSI)
C. AMERICAN SOCIETY OF NON-DESTRUCTIVE TESTING (ASNT) NON-DESTRUCTIVE TESTING TECHNICIAN - LEVEL II OR III (ASNT)
D. INTERNATIONAL CODE COUNCIL (ICC): STRUCTURAL MASONRY SPECIAL INSPECTOR (ICC-SMSI) STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR (ICC-SSSI) STRUCTURAL WELDING SPECIAL INSPECTOR (ICC-SWI) PRESTRESSED CONCRETE SPECIAL INSPECTOR (ICC-PCSI) REINFORCED CONCRETE SPECIAL INSPECTOR (ICC-RCSI) SOILS SPECIAL INSPECTOR (ICC-SSI)
E. PROFESSIONAL STATE LICENSING: PROFESSIONAL ENGINEER (PE)

STATEMENT OF SPECIAL INSPECTIONS (SSI):

THE FOLLOWING TABLES INDICATED THE MINIMUM SPECIFIC SPECIAL INSPECTION AND TESTING TO BE PERFORMED ON THIS PROJECT AND THE QUALIFICATIONS OF THE INDIVIDUAL INSPECTORS AND TESTING TECHNICIANS.

DEFINITIONS:

- 1. CONTINUOUS SPECIAL INSPECTION: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. 100% OF THE WORK MUST BE INSPECTED AND IT MUST BE INSPECTED AS THE WORK IS BEING PERFORMED.
2. PERIODIC SPECIAL INSPECTION: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN, OR IS BEING, PERFORMED AND AT THE COMPLETION OF WORK.
3. YES: THIS INSPECTION AND/OR TESTING IS REQUIRED BY THE BUILDING CODE AND MUST BE PERFORMED.
4. NO: THIS INSPECTION AND/OR TESTING IS NOT APPLICABLE TO THE PROJECT, AND NEED NOT BE PERFORMED.
5. SUGGESTED: THIS INSPECTION AND/OR TESTING IS NOT REQUIRED BY THE BUILDING CODE. HOWEVER, THE ENGINEER OF RECORD RECOMMENDS IMPLEMENTING THEM FOR QUALITY ASSURANCE. A POTENTIAL EXISTS FOR THESE MEASURES TO BE A VALUE ADDED SERVICE FOR THE OWNER TO ENSURE PROPER PROJECT COMPLETION.

Table with 6 columns: Verification and Inspection, Agency Qualification, Scope, Referenced Standard, Frequency of Inspection, Required on Project. Rows include Shallow Foundations, Controlled Structural Fill, Deep Foundation: Driven Piles, and Deep Foundations: Drilled Pier Foundations.

Table with 6 columns: Verification and Inspection, Agency Qualification, Scope, Referenced Standard, Frequency of Inspection, Required on Project. Rows include Fabricator Certification/ Quality Control Procedures, Material Grading, Connections, Framing and Details, Diaphragms and Shearwalls, and Prefabricated Wood Trusses & I-Joists.



SANDMAN Structural Engineers

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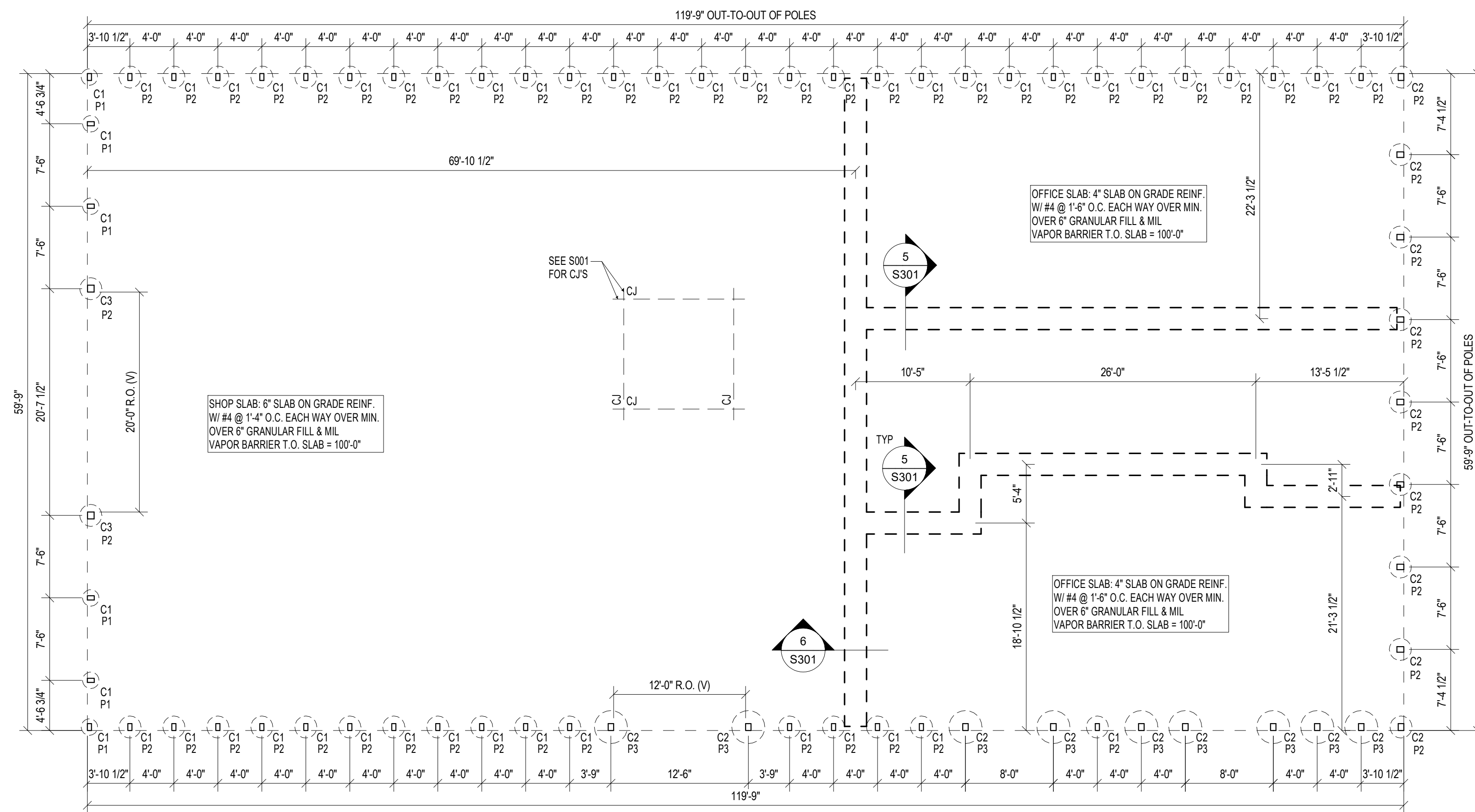
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Date Issued: 1/23/2023

Table with 3 columns: Revisions #, DATE, COMMENTS. Multiple empty rows for revisions.



OAKES GARRISON DIVERSION - BUILDING SHELL OAKES, NORTH DAKOTA

SHEET CONTENTS: SPECIAL INSPECTIONS SHEET NO. S002 2201-160



1 FOUNDATION PLAN
S101 1/8" = 1'-0"

FOUNDATION PLAN NOTES:

- CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY OWNER/ENGINEER IF ANY DISCREPANCIES EXIST.
- PIER ARE TO BE CENTERED RELATIVE TO COLUMN, U.N.O. ON PLAN OR DETAIL.
- LOOSE MATERIAL SHALL BE REMOVED FROM HOLE OR MANUALLY COMPACTED.
- SEE ARCH. FOR DIMENSIONING OF SLAB RECESS LOCATIONS AND SLOPED SLAB AREAS.
- SSE IS NOT RESPONSIBLE FOR WALK DOOR STOOPS. IT IS THE OWNER'S RESPONSIBILITY FOR THE PERFORMANCE OF EXTERIOR GRADE AND CONCRETE AT THE WALK DOOR LOCATIONS.
- CONTRACTOR TO REFER TO SHEET S001 FOR OVER-EXCAVATION & STRUCTURAL BACKFILL PROCEDURES.
- SEE ARCH. FOR PERIMETER INSULATION REQUIREMENTS FOR FROST PROTECTION OF SLAB.
- G.C. TO COORDINATE SHOP DRAINS WITH OWNER

PIER SCHEDULE		
MARK	DETAIL	NOTES/COMMENTS
P1	2/S301	-
P2	3/S301	-
P3	4/S301	-

COLUMN SCHEDULE				
COLUMNS TO BE SOUTHERN PINE NO. 1				
MARK	SIZE	POST BASE	POST CAP	COMMENTS
C1	(3) 2x8	-	-	-
C2	(4) 2x8	-	-	-
C3	(5) 2x8	-	-	-



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Revisions		DATE	COMMENTS
#			



OAKES GARRISON
 DIVERSION -
 BUILDING SHELL
 OAKES, NORTH DAKOTA

SHEET CONTENTS:
 FOUNDATION PLAN

SHEET NO.
S101
 2201-160



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Revisions #	DATE	COMMENTS



OAKES GARRISON
DIVERSION -
BUILDING SHELL
OAKES, NORTH DAKOTA

SHEET CONTENTS:
ROOF FRAMING PLAN

SHEET NO.
S201

2201-160

ROOF FRAMING PLAN NOTES:

- TRUSS BEARING ELEVATION = 116'-0"
- WALL GIRTS ARE TO BE 2x6 SPF #2 OR BETTER SPACE @ 2'-6" O.C. U.N.O FASTEN W/ (3) 20d RING SHANK NAILS.
- SEE S001 SHEATHING NOTES FOR GENERAL REQUIREMENTS.
- TREATED 2x6 SPLASH PLANKING SHALL BE FASTEN TO EA. COLUMN W/ (3) GALV. 12d RING SHANK NAILS.
- ALL FASTENERS AND METAL HARDWARE IN CONTACT WITH TREATED LUMBER TO HAVE REQUIRED COATING TO PROTECT FROM CORROSION.
- PROVIDE TYPICAL 2x6 INFILL FRAMING @ DOORS & WINDOWS
- ROOF SLOPE TO BE 4:12 SLOPE. SEE ARCH FOR TRUSS PROFILE.
- ROOF AND WALL PANEL TO BE 29 GA. PRO-PANEL II.

- ROOF PANEL TO BE FASTENED TO ROOF PURLINS W/ #10 SCREWS PLACED IN THE FLATS @ 12" O.C. IN THE FIELD AND 6" O.C. ON END.
- WALL PANEL FASTENERS TO BE 1" LONG WOODGRIP SCREWS PLACED ON THE FLATS NEXT TO MAJOR RIBS @ EVERY WALL GIRT AND SPLASH PLANK.
- THE RIDGE CAP TO BE FASTENED TO THE PURLINS W/ 2" LONG WOODGRIP SCREWS THROUGH EVERY MAJOR RIBS.

KEYNOTES

LABEL	NOTE
1	ROOF TRUSSES @ 4'-0" O.C. BY TRUSS SUPPLIER
2	2X4 FLAT PURLINS SEE PLAN FOR SPACING. SEE DETAIL 5/S401 FOR CONNECTION AND SPLICE
3	2X6 CROSS BRACING, S.D. 3/S401
4	SPACE 2x4 FLAT PURLINS @ 1'-4" O.C. FOR FIRST 8 BAYS ACROSS ENTIRE WIDTH OF BUILDING

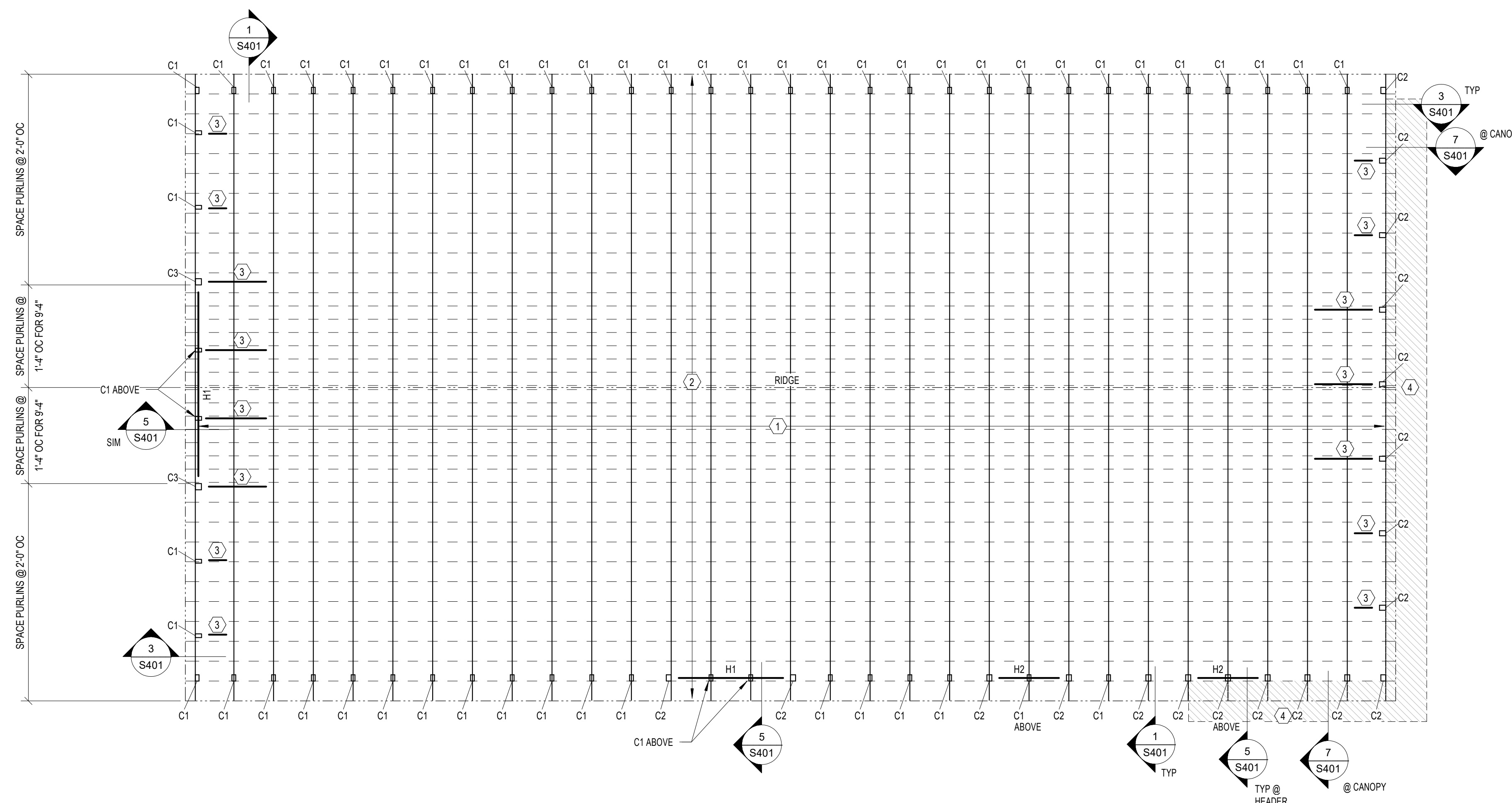
COLUMN SCHEDULE

COLUMNS TO BE SOUTHERN PINE NO. 1

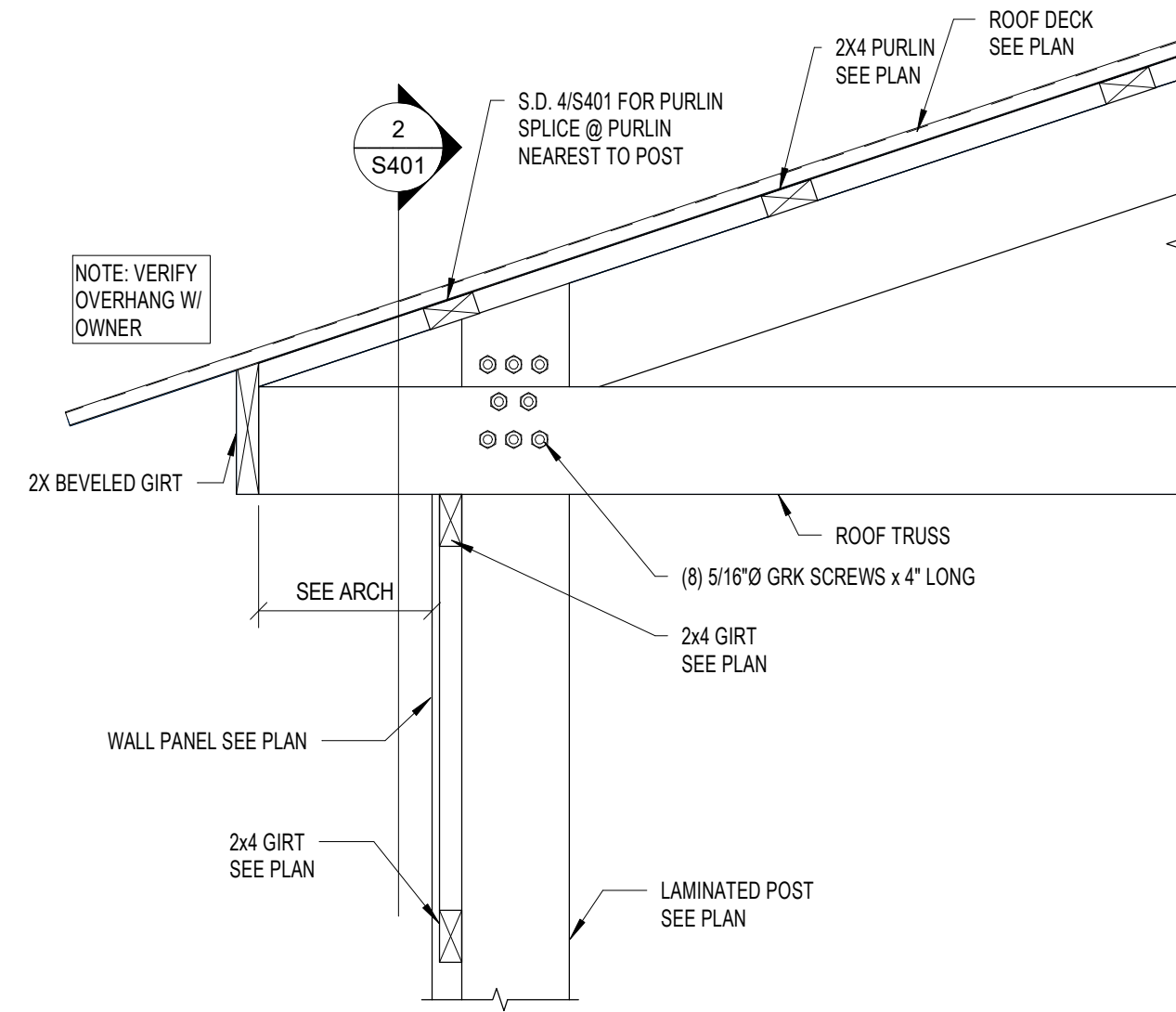
MARK	SIZE	BASE PLATE TYPE	ANCHOR ROD TYPE	COMMENTS
C1	(3) 2x8	-	-	-
C2	(4) 2x8	-	-	-
C3	(5) 2x8	-	-	-

HEADER SCHEDULE

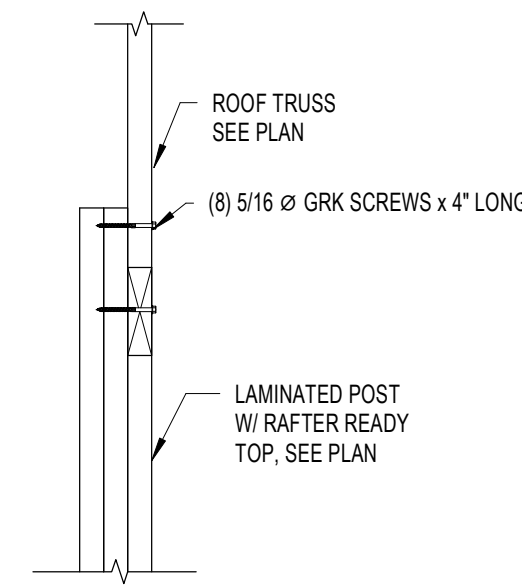
MARK	SIZE	JACK STUD	KING STUDS	COMMENTS
H1	(2) 1 3/4"x14" LVL	SD 6/S401	SD 6/S401	-
H2	(2) 2x12	SD 6/S401	SD 6/S401	-



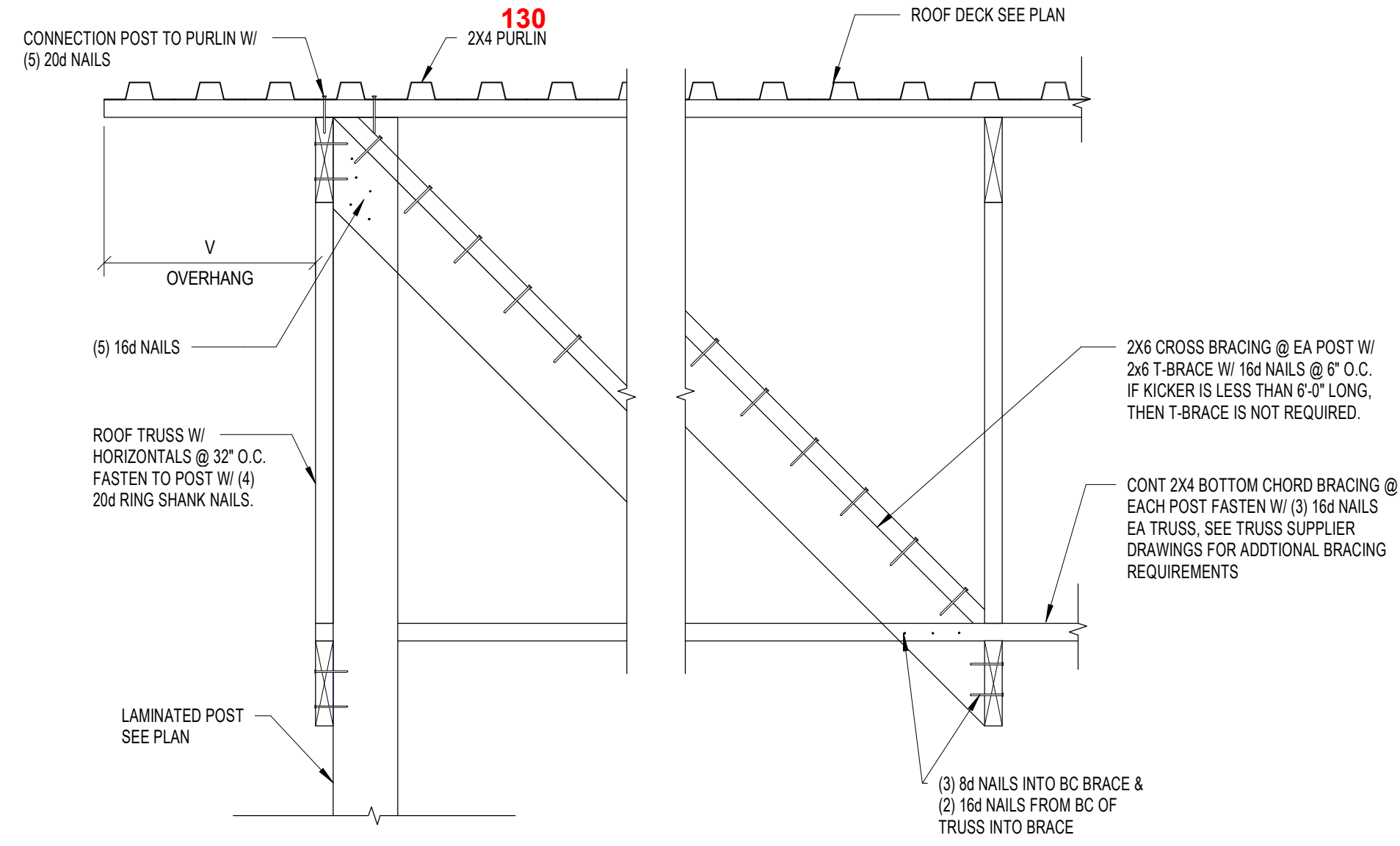
1 ROOF FRAMING PLAN
S201 1/8" = 1'-0"



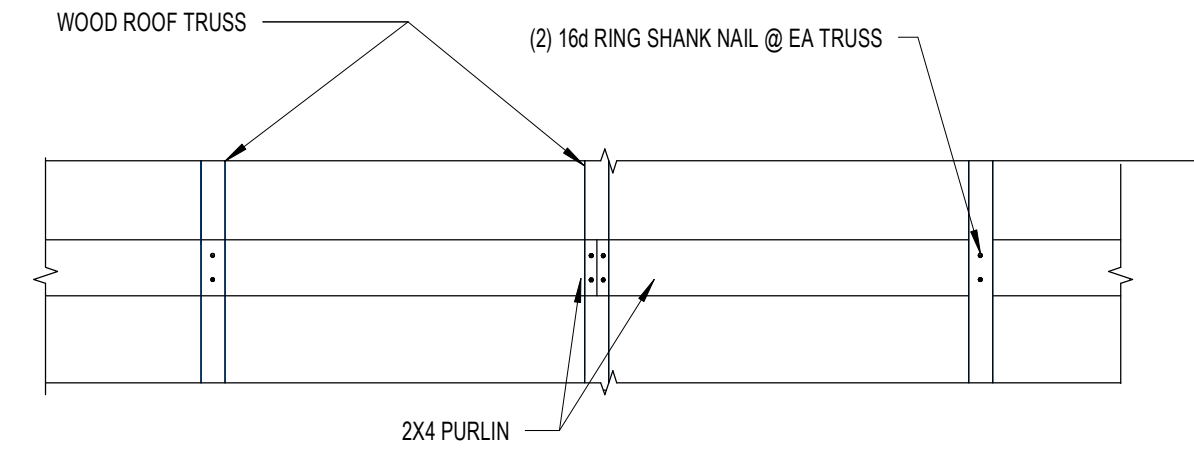
1 TRUSS BEARING
S401 1" = 1'-0"



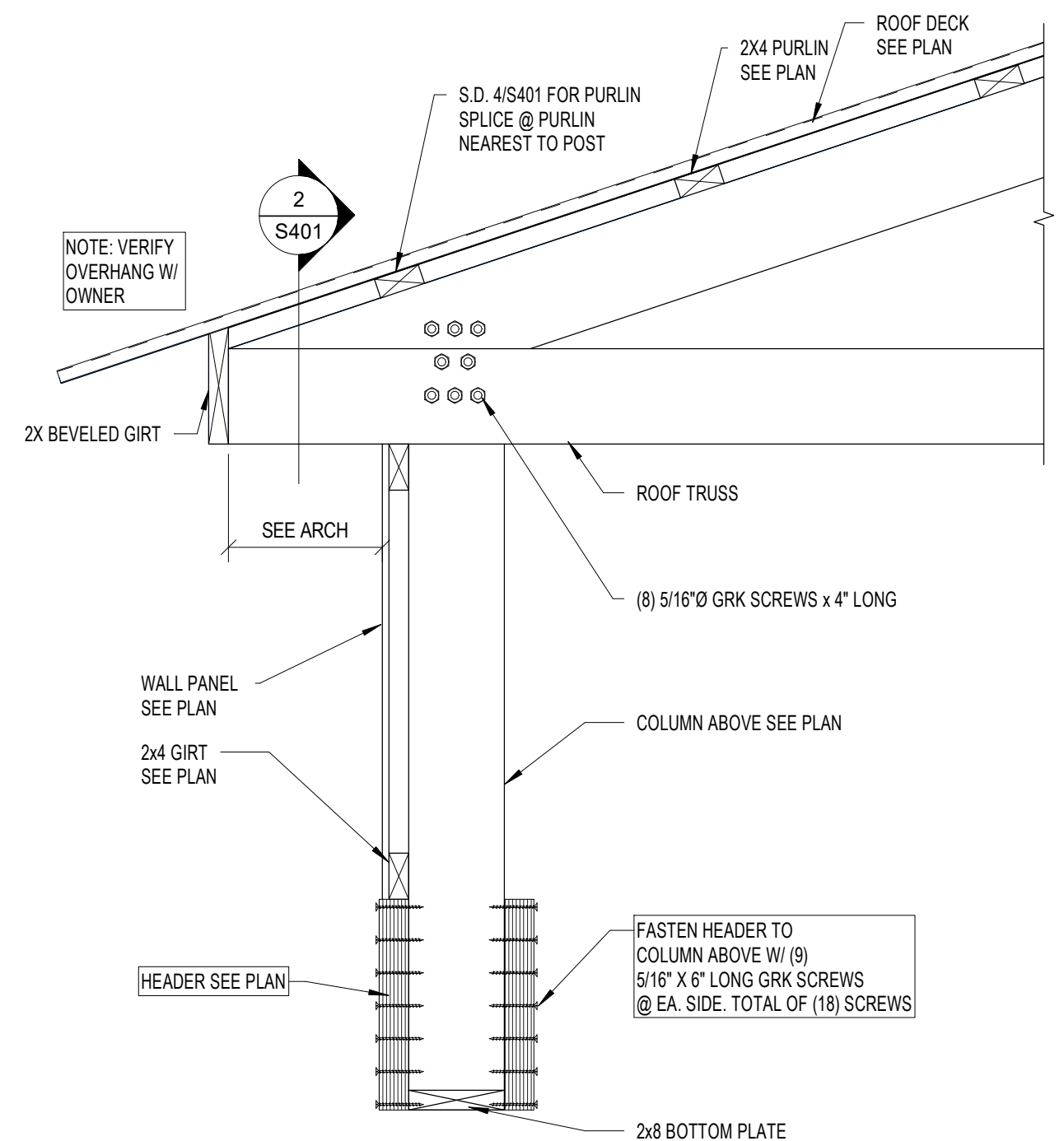
2 TRUSS BEARING
S401 1" = 1'-0"



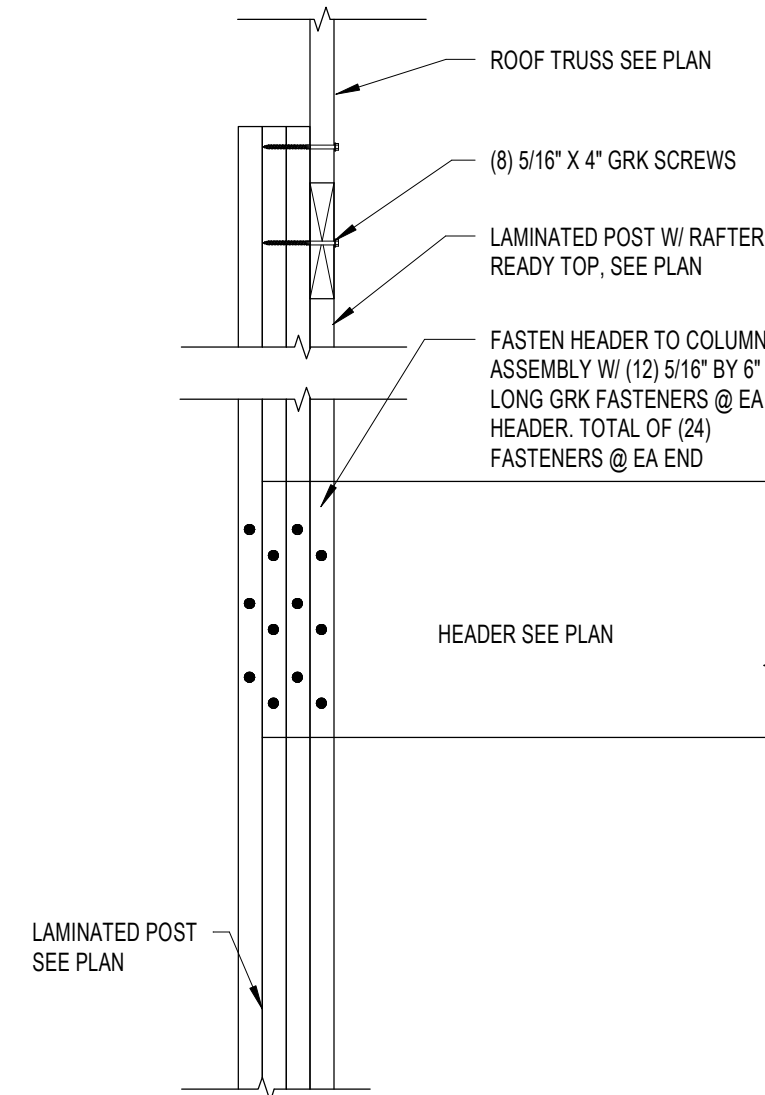
3 BRACING DETAIL
S401 1" = 1'-0"



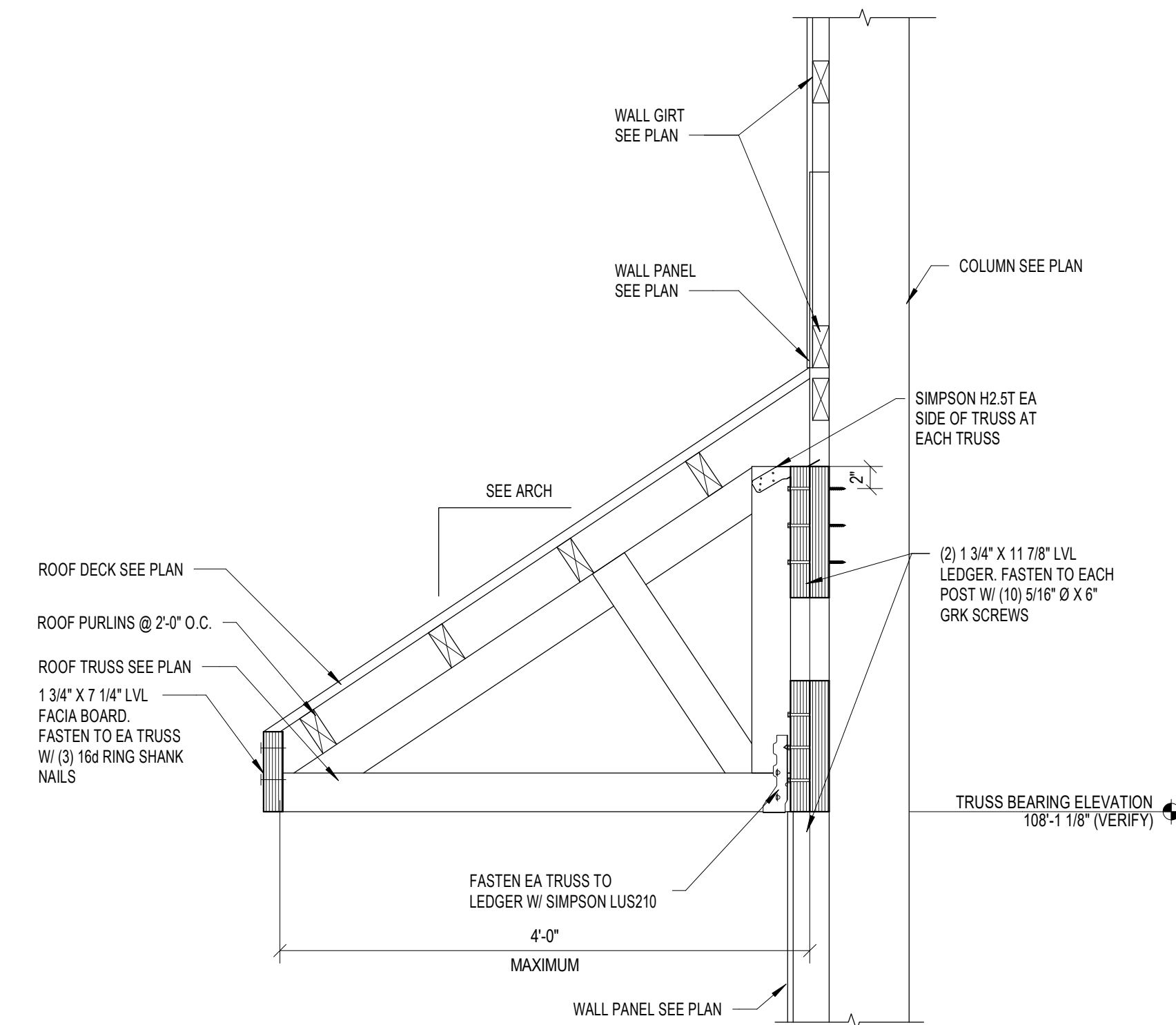
4 PURLIN CONN DETAIL
S401 1" = 1'-0"



5 TRUSS BEARING
S401 1" = 1'-0"



6 HDR BEARING
S401 1" = 1'-0"



7 CANOPY FRAMING DETAIL
S401 1" = 1'-0"

Revisions	DATE	COMMENTS
#		



OAKES GARRISON
DIVERSION -
BUILDING SHELL
OAKES, NORTH DAKOTA

SHEET CONTENTS:
FRAMING DETAILS

SHEET NO.

S401

2201-160



2534 UNIVERSITY DRIVE SOUTH #3
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FARGO, ND 58103
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REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

PLUMBING & HVAC SYMBOLS & ABBREVIATIONS LEGEND					
HVAC ABBREVIATIONS	PLUMBING SYSTEMS	HVAC SYSTEMS	HVAC SYSTEMS	HVAC SYSTEMS	HVAC SYSTEMS
AFF ABOVE FINISHED FLOOR	SYMBOL DESCRIPTION	SYMBOL DESCRIPTION	SYMBOL DESCRIPTION	SYMBOL DESCRIPTION	SYMBOL DESCRIPTION
CFM CUBIC FEET PER MINUTE	CONDENSATE DRAIN	RETURN AIR OR EXHAUST AIR INLET	SUPPLY AIR OUTLET	POSITIVE PRESSURE DUCT	
DN DOWN	DOMESTIC COLD WATER	THERMOSTAT		NEGATIVE PRESSURE DUCT	
EA EXHAUST AIR	DOMESTIC HOT WATER	AIR INLET/OUTLET REFERENCE SYMBOL WITH TYPE AND AIRFLOW SHOWN (TYPE S=1; 150 CFM). REFER TO SCHEDULE. (E=EXHAUST, R=RETURN, S=SUPPLY, T=TRANSFER, EX=EXISTING)	RECTANGULAR DUCT, ACOUSTICALLY LINED (INSIDE DIMENSIONS INDICATED)		
EGG EGG CRATE GRILLE	DOMESTIC RECIRCULATING HOT WATER		RECTANGULAR DUCT		
HI HOT WATER	SANITARY WASTE	CONNECT NEW TO EXISTING	BACKDRAFT DAMPER		
OA OUTSIDE AIR	OIL/SAND WASTE	KEY NOTE	COMBINATION FIRE/SMOKE DAMPER		
RA RETURN AIR	VENT	DEMOLITION NOTE	FIRE DAMPER		
SA SUPPLY AIR	NATURAL GAS	REVISION NOTE	MOTOR OPERATED DAMPER		
OW COLD WATER	PROPANE	ROUND DUCT DOWN	MANUAL VOLUME DAMPER		
RHW RECIRCULATING HOT WATER	GAS PRESSURE REGULATOR	ROUND DUCT UP	ROUND NECK CEILING DIFFUSER w/ HIGH EFFICIENCY TAKE OFF AND FLEXIBLE DUCT FROM MAIN WITH SIZE INDICATED		
VTR VENT THROUGH ROOF	HOSE BIBB OR WALL HYDRANT	SIDEWALL AIR INLET OR OUTLET			
XST EXISTING	PIPE CONNECTION - BOTTOM				
	PIPE DOWN				
	PIPE GUIDE				
	PIPE UP				
	PUMP				

UNIT HEATER SCHEDULE								
UNIT HEATER ID	FUEL TYPE	CFM	HEAT INPUT (MBH)	HEAT OUTPUT (MBH)	HP	VOLTAGE/ PHASE	MANUFACTURER & MODEL	NOTES
UH-1	LP	2562	200	166	1/6	120/1	REZNOR UDZ200	1,2
UH-2	LP	5123	400	332	1/2	120/1	REZNOR UDZ400	1,2
UH-3	LP	2562	200	166	1/6	120/1	REZNOR UDZ200	1,2

1) PROVIDE UNIT MOUNTED DISCONNECT SWITCH
2) PROVIDE CONCENTRIC VENT KIT FOR HORIZONTAL VENTING THROUGH THE WALL.

LOUVER SCHEDULE								
LOUVER ID	WIDTH (INCH)	HEIGHT (INCH)	DEPTH (INCH)	FRAME TYPE	CFM	FREE AREA (SQ. FT)	MANUFACTURER & MODEL	NOTES
LVR-1	36	42	4	CHANNEL	2900	5.26	GREENHECK ESJ-401	1,2
LVR-2	36	42	4	CHANNEL	2900	5.26	GREENHECK ESJ-401	1,2

1) DESIGN MAX AIR SIDE PRESSURE DROP TO 0.05 INCH.
2) ARCHITECT SHALL SELECT LOUVER COLOR FROM STANDARD COLOR CHART.

HOT WATER SPECIALTIES SCHEDULE									
EXPANSION TANK ID	TANK VOLUME (GAL)	ACCEPTANCE VOLUME (GAL)	EXPANSION TANK MODEL NUMBER	AIR SEPARATOR ID	SIZE (INCH)	GPM	PRESSURE DROP (INCH)	AIR SEPARATOR MODEL NUMBER	NOTES
ET-1	23	23	B85	AS-1	1-1/2	18.5	2	US 5-1/2	1,2,3

1) SELECTIONS BASED ON BELL & GOSSETT CATALOGS.
2) FILL PRESSURE IS 12 PSIG AND RELIEF VALVE PRESSURE IS 30 PSIG.
3) SELECTIONS ARE BASED ON 30% PROPYLENE GLYCOL.

PUMP SCHEDULE									
PUMP ID	TYPE	PURPOSE	GPM	HEAD (FT)	HP	VOLTAGE/ PHASE	ECM	MANUFACTURER & MODEL	NOTES
BP-1	IL	BOILER	19	25	1/6	120/1	Y	ECOCIRC XL 36-45	1,2,3
P-1	IL	RFH-1	11	20	1/6	120/1	Y	ECOCIRC XL 36-45	1,2,3
P-2	IL	RFH-2	8	18	1/6	120/1	Y	ECOCIRC XL 36-45	1,2,3

1) SELECTIONS BASED ON BELL & GOSSETT CATALOGS.
2) DISCONNECT SWITCH BY DIVISION 26.
3) SELECTIONS ARE BASED ON 30% PROPYLENE GLYCOL.

IL INLINE
BM BASE MOUNTED
SUB SUBMERSIBLE

FAN SCHEDULE										
FAN ID	TYPE	CFM	ESP (INCH)	HP	VOLTAGE/ PHASE	DRIVE	SONES	ECM	MANUFACTURER & MODEL	NOTES
EF-1	IL	200	0.5	1/4	120/1	DIRECT	11.4	Y	GREENHECK SQ-97-VG	1,2,3
EF-2	IL	2700	0.5	1	120/1	DIRECT	11.8	Y	GREENHECK SQ-16-VG	1,2,3

1) PROVIDE WITH INTEGRAL DISCONNECT SWITCH.
2) PROVIDE WITH BACKDRAFT DAMPER.
3) PROVIDE WITH VIBRATION ISOLATORS.

IL-INLINE

BOILER SCHEDULE											
BOILER ID	FUEL TYPE	FLUID TYPE	HEATING INPUT (MBH)	HEATING OUTPUT (MBH)	GPM	EMT (°F)	LWT (°F)	ELECTRICAL VOLTAGE/ PHASE	AMPS	MANUFACTURER & MODEL	NOTES
B-1	LP	PG30	199	189	19	90	110	120/1	3.3	LOCHINVAR KNIGHT WHB199	1,2,3,4

1) DESIGN MAX WATER SIDE PRESSURE DROP TO 5 FT.
2) 30% PROPYLENE GLYCOL/WATER MIXTURE
3) PROVIDE 30 PSI BOILER RELIEF VALVE, BOILER PRESSURE RATING OF 80 PSI.
4) PROVIDE WITH CONDENSATE NEUTRALIZATION KIT.

PG30 PROPYLENE GLYCOL NUMBER INDICATES PERCENTAGE BY VOLUME

**OAKES GARRISON DIVERSION -
BUILDING SHELL**
 9251 HIGHWAY 1
 OAKES, NORTH DAKOTA 58017

PROJECT PHASE	
BIDDING PHASE	
DATE	PROJECT
01.23.23	210014
MECHANICAL SCHEDULES AND LEGEND & SYMBOLS	
M001	



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FARGO, ND 58103
701.478.4600



503 7TH ST. N, SUITE 200
FARGO, ND 58103
PHONE: 701.478.6336
FAX: 701.478.6340

GENERAL NOTES:

- COORDINATE DUCTWORK ROUTING WITH OTHER TRADES TO ALLOW FOR SUFFICIENT SPACE TO ROUTE DUCTWORK.
- MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL MECHANICAL EQUIPMENT WITH ALL OTHER TRADES. CONTRACTOR TO VERIFY AND MAINTAIN ALL EQUIPMENT CLEARANCES AS REQUIRED BY CODE AND MANUFACTURERS RECOMMENDATIONS.
- INTAKE AIR MUST BE ROUTED A MINIMUM OF 10'-0" AWAY FROM ANY EXHAUST DUCT OUTLETS. INTAKE WALL CAPS SHALL HAVE INSECT/BIRDSCREEN BARRIER AND CAULK AROUND PERIMETER OF CAP (TYPICAL).
- EXHAUST FAN WALL CAPS SHALL BE MINIMUM OF 3 FEET RADIALLY FROM ANY OPERABLE WINDOW AND DOOR. PROVIDE BATHROOM WALL CAPS WITH 4" DEEP EXTERIOR OPENING. PROVIDE INSECT/BIRDSCREEN AND CAULK AROUND PERIMETER OF EXHAUST FAN CAP.
- PROVIDE FIRE CAULK AROUND ALL DUCTWORK AND PIPING AT ALL RATED WALLS AND FLOOR PENETRATIONS.

TEMPERATURE CONTROLS NOTES:

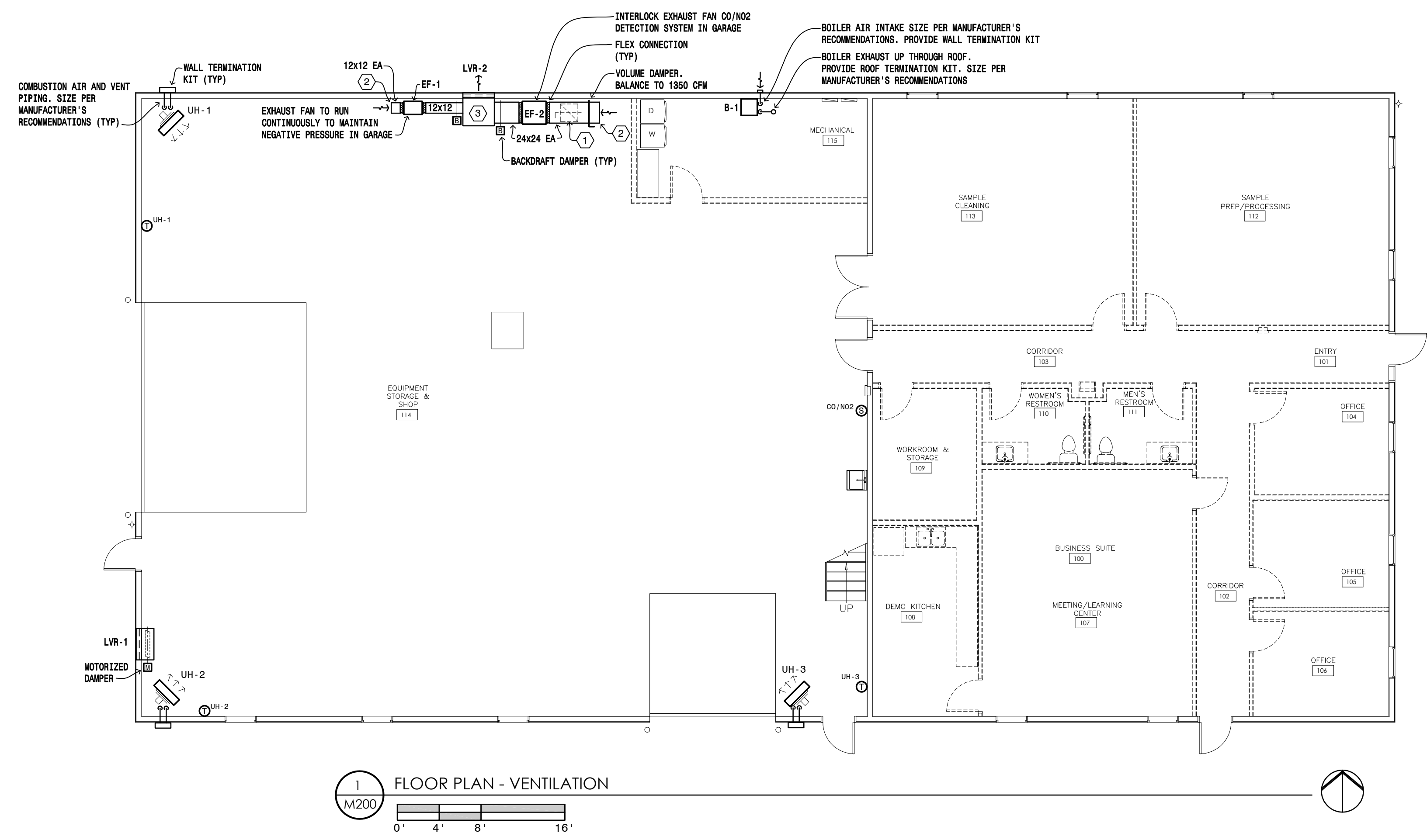
- PROVIDE ALL CONTROL WIRING BETWEEN UNIT HEATER AND THERMOSTAT.
- PROVIDE ALL CONTROL WIRING BETWEEN MAKE-UP AIR UNIT, EXHAUST FANS, AND CO/NO2 SENSOR.
- PROVIDE ALL CONTROL WIRING BETWEEN BOILER, PUMPS, AND FLOOR HEAT CONTROLLERS.

PLAN NOTES:

- 20x20 EA DN TO 12" ABOVE FINISHED FLOOR. COVER END WITH 1/2" BIRDSCREEN. PROVIDE VOLUME DAMPER AND BALANCE TO 1350 CFM. COORDINATE DUCT DROP LOCATION WITH OWNER.
- COVER END OF DUCT WITH 1/2" BIRDSCREEN.
- EXHAUST AIR PLENUM SIZED TO MATCH LOUVER LVR-2.

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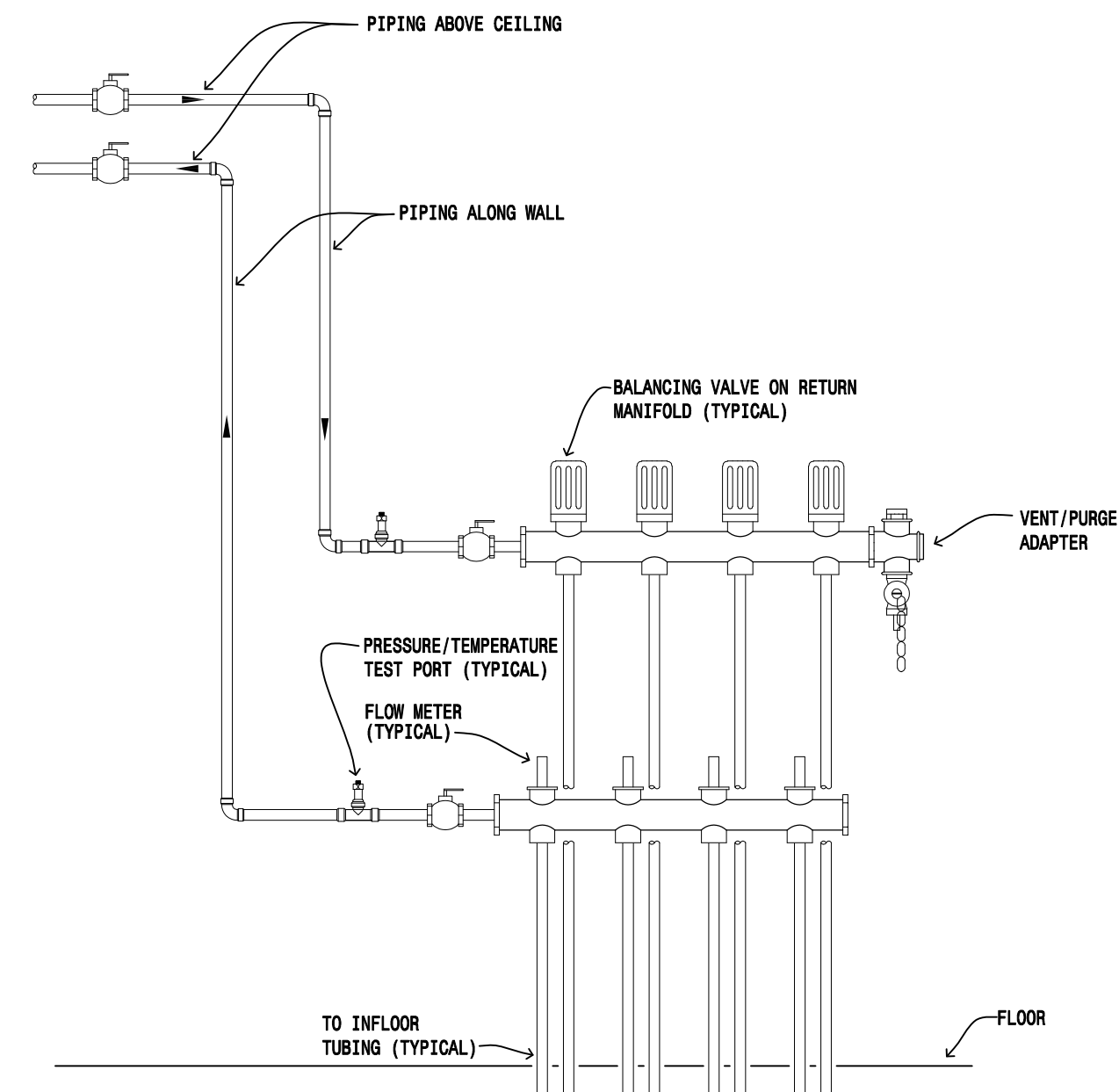
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE



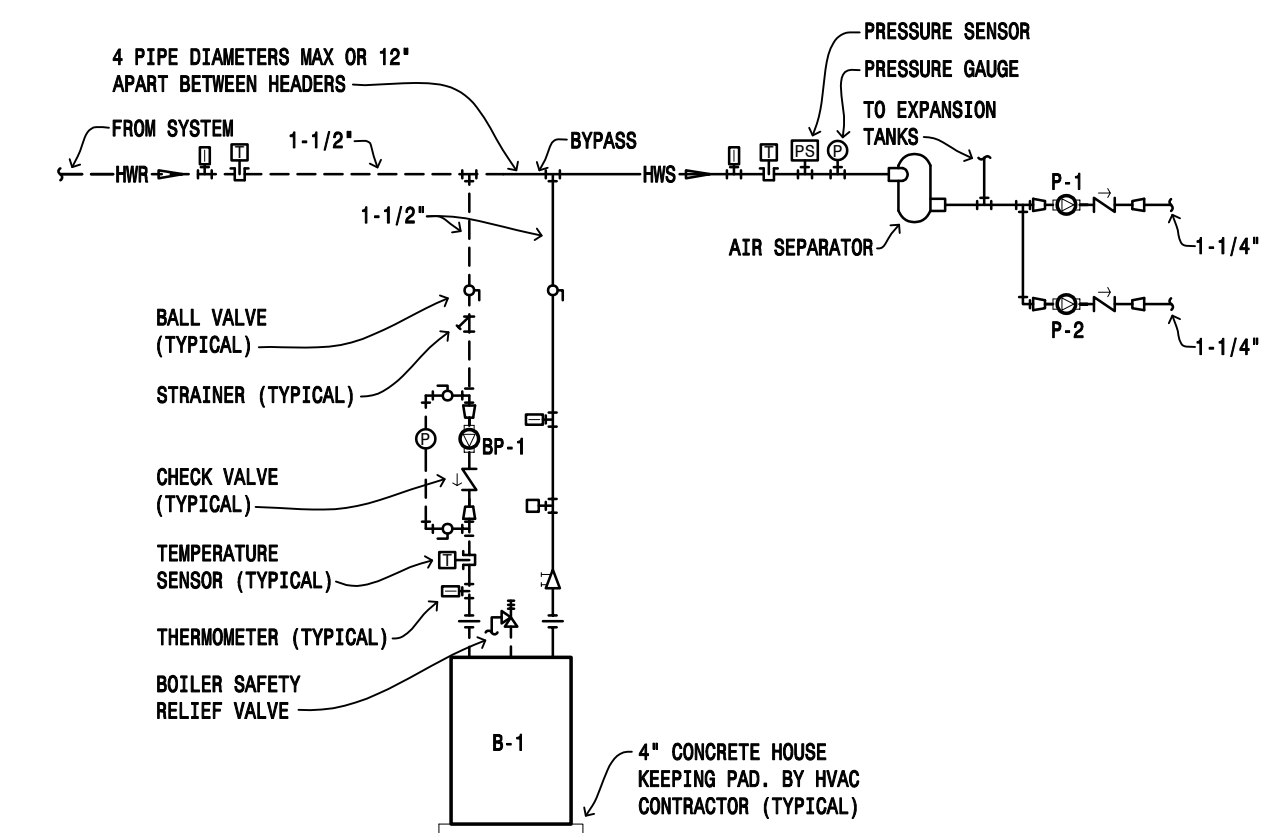
**OAKES GARRISON DIVERSION -
BUILDING SHELL**

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

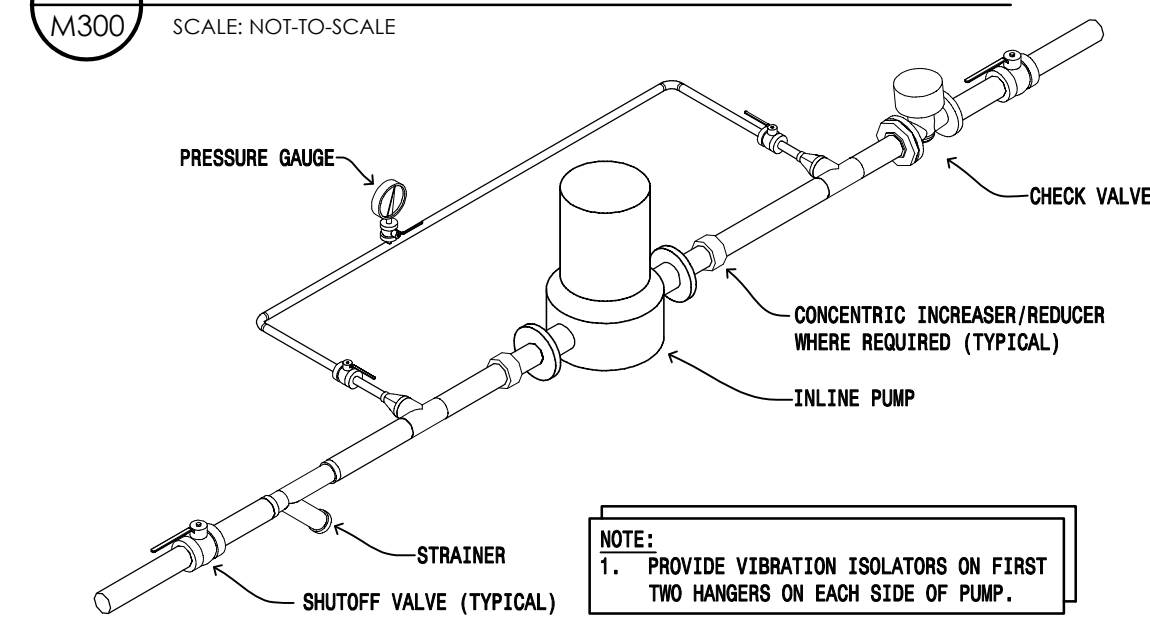
PROJECT PHASE BIDDING PHASE	
DATE 01.23.23	PROJECT 210014
FLOOR PLAN - VENTILATION	
M200	



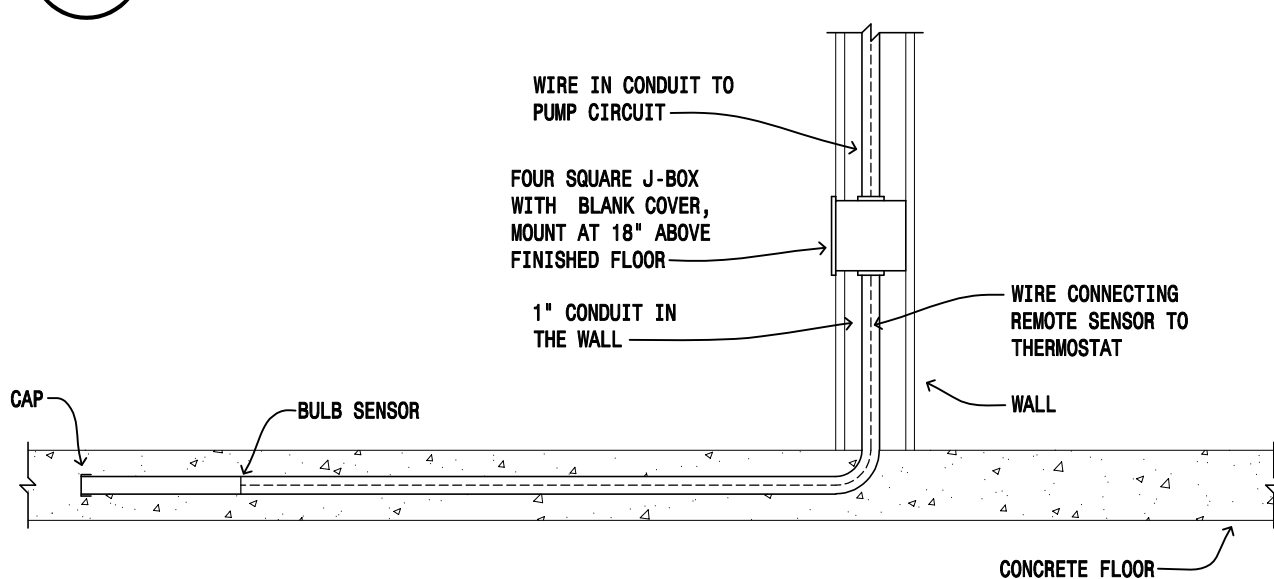
6 INFLOOR HEAT MANIFOLD DETAIL
SCALE: NOT-TO-SCALE



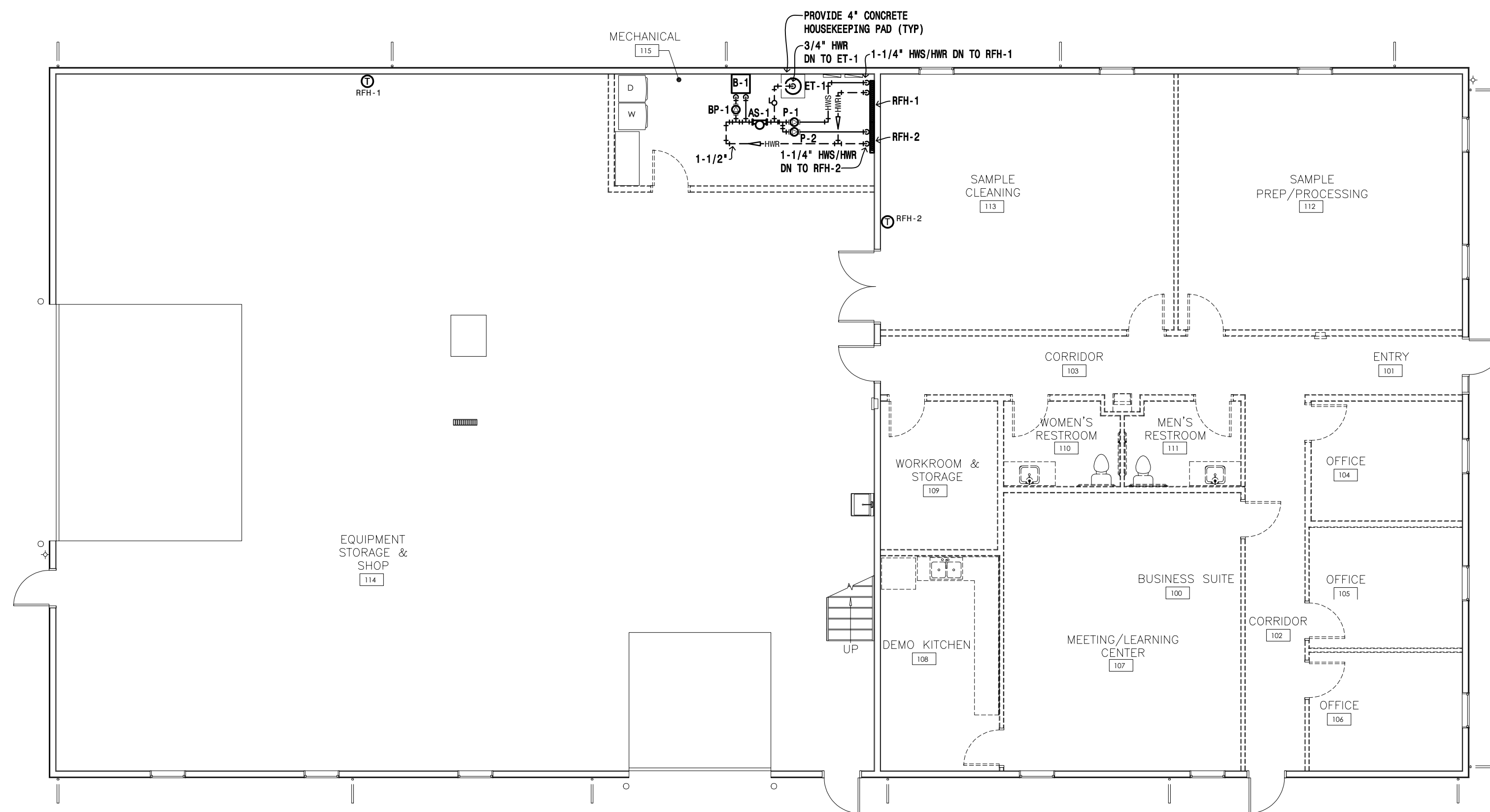
5 MODULAR BOILER FLOW DIAGRAM
SCALE: NOT-TO-SCALE



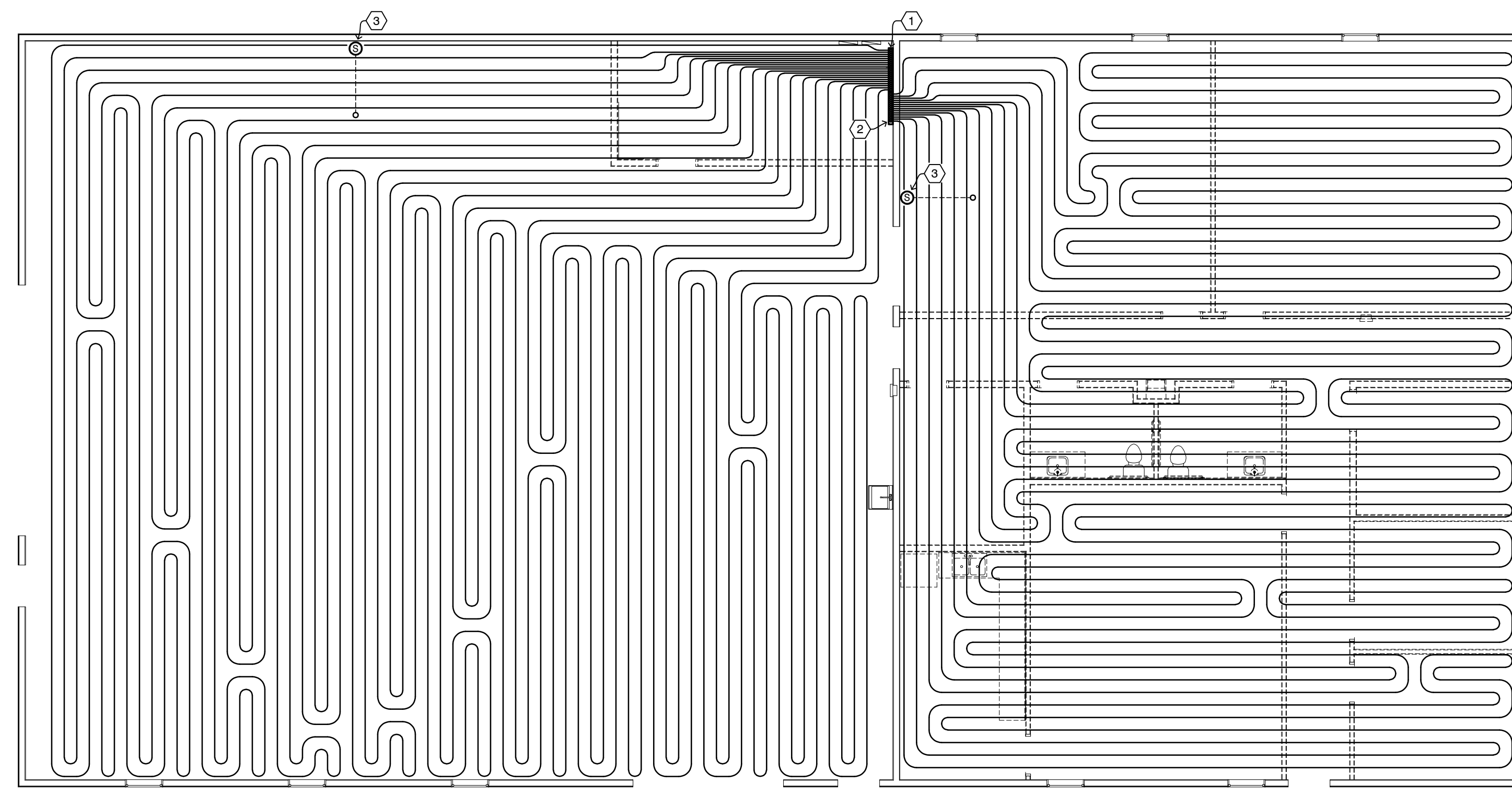
4 INLINE PUMP DETAIL
SCALE: NOT-TO-SCALE



3 FLOOR TEMPERATURE SENSOR
SCALE: NOT-TO-SCALE



2 FLOOR PLAN - HYDRONIC
SCALE: 0' 4' 8' 16'



1 FOUNDATION PLAN - HYDRONIC
SCALE: 0' 4' 8' 16'

GENERAL NOTES:

- MECHANICAL CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL MECHANICAL EQUIPMENT IN THE MECHANICAL ROOM WITH ALL OTHER TRADES. CONTRACTOR TO VERIFY AND MAINTAIN ALL EQUIPMENT CLEARANCES AS REQUIRED BY CODE AND MANUFACTURERS RECOMMENDATIONS.
- CONTRACTOR SHALL COORDINATE MECHANICAL PENETRATIONS AND CORE DRILLED FLOOR PENETRATIONS WITH ARCHITECT AND OTHER DISCIPLINES PRIOR TO INSTALL.
- PROVIDE FIRE CAULK AROUND ALL PIPING AT ALL RATED WALLS AND FLOOR PENETRATIONS.

TEMPERATURE CONTROLS NOTES:

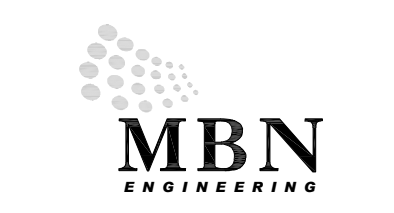
- PROVIDE ALL CONTROL WIRING BETWEEN BOILER, PUMPS, AND FLOOR HEAT CONTROLLERS.

PLAN NOTES:

- INSTALL RADIANT FLOOR HEATING RFH-1, 10 LOOPS TOTAL, 410' AVERAGE LENGTH, 5/8" TUBING AT 12° O.C., 10.8 GPM TOTAL. TUBING INSULATION INSTALLED BY MECHANICAL CONTRACTOR.
- INSTALL RADIANT FLOOR HEATING RFH-2, 7 LOOPS TOTAL, 418' AVERAGE LENGTH, 5/8" TUBING AT 12° O.C., 7.7 GPM TOTAL. TUBING INSULATION INSTALLED BY MECHANICAL CONTRACTOR.
- TEKMAR THERMOSTAT BY MECHANICAL CONTRACTOR.



2534 UNIVERSITY DRIVE SOUTH #3
FARGO, N.D. 58103
701.478.4600



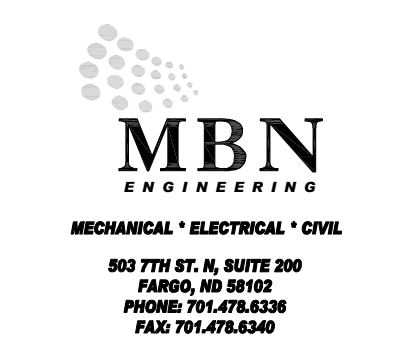
MECHANICAL * ELECTRICAL * CIVIL
503 7TH ST. N. SUITE 200
FARGO, ND 58103
PHONE: 701.478.6330
FAX: 701.478.6340

**PRELIMINARY
NOT FOR CONSTRUCTION**
Jan 26, 2023 3:27PM

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

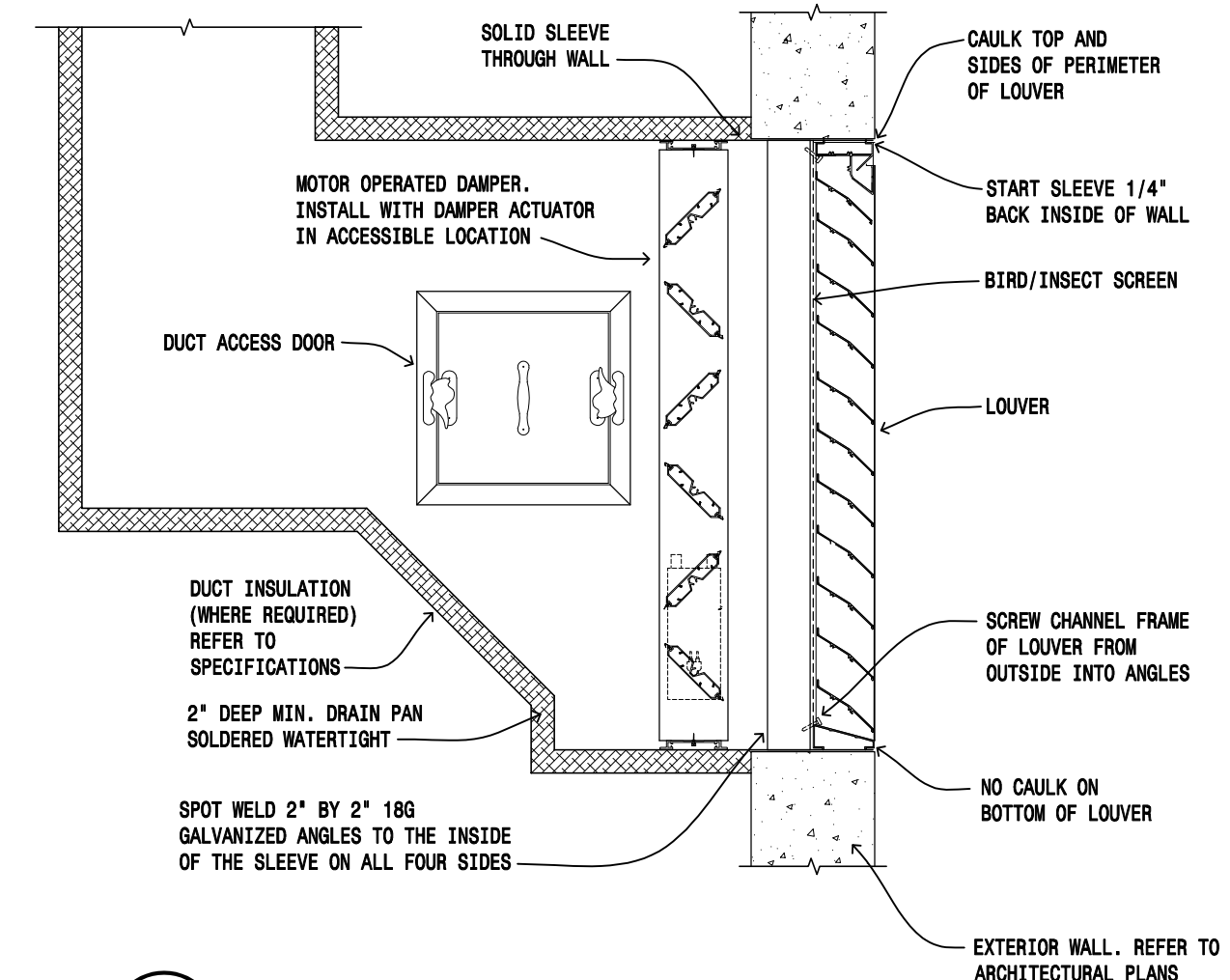
**OAKES GARRISON DIVERSION -
BUILDING SHELL**
9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

PROJECT PHASE BIDDING PHASE	
DATE 01.23.23	PROJECT 210014
FOUNDATION AND FLOOR PLANS - HYDRONIC	
M300	

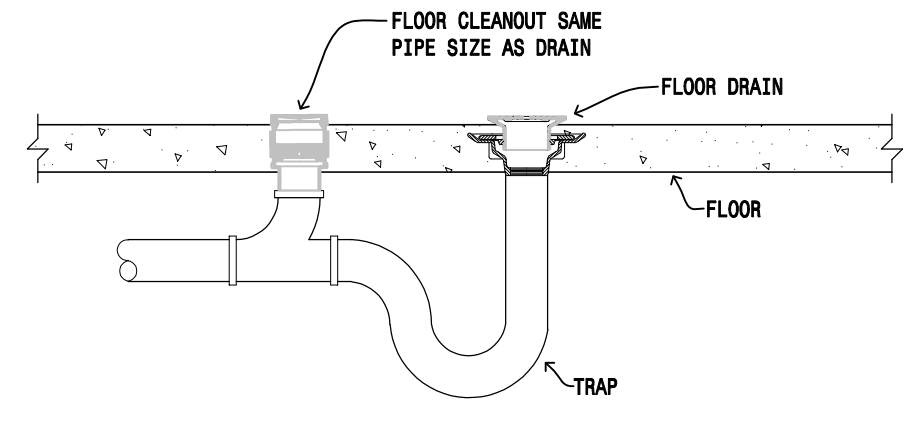


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NOT FOR CONSTRUCTION**
Jan 26, 2023 3:27PM

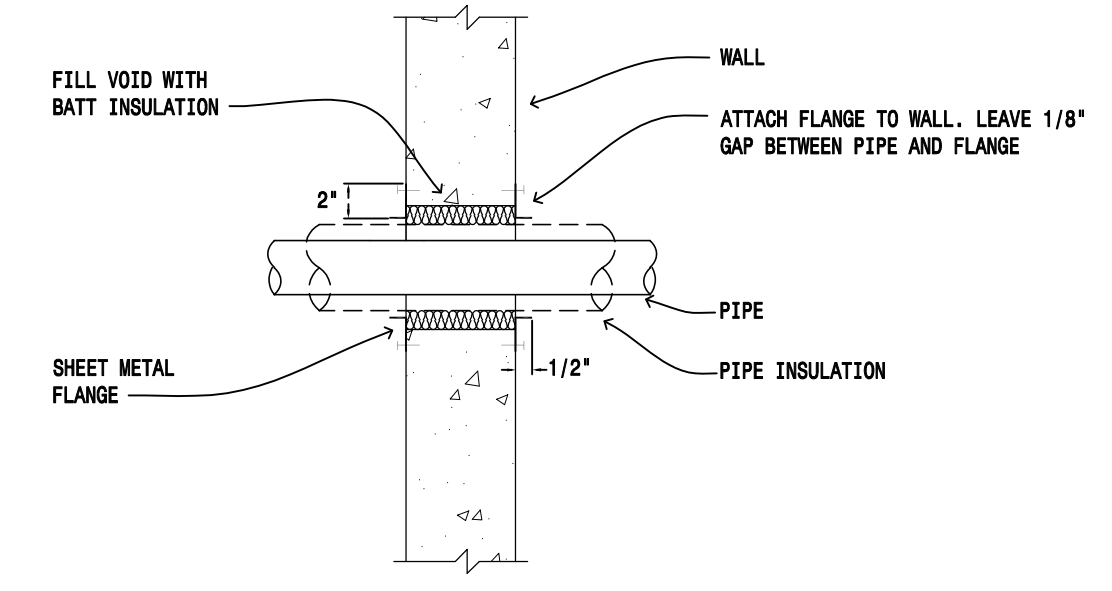
REVISION SCHEDULE		
NO.	DESCRIPTION	DATE



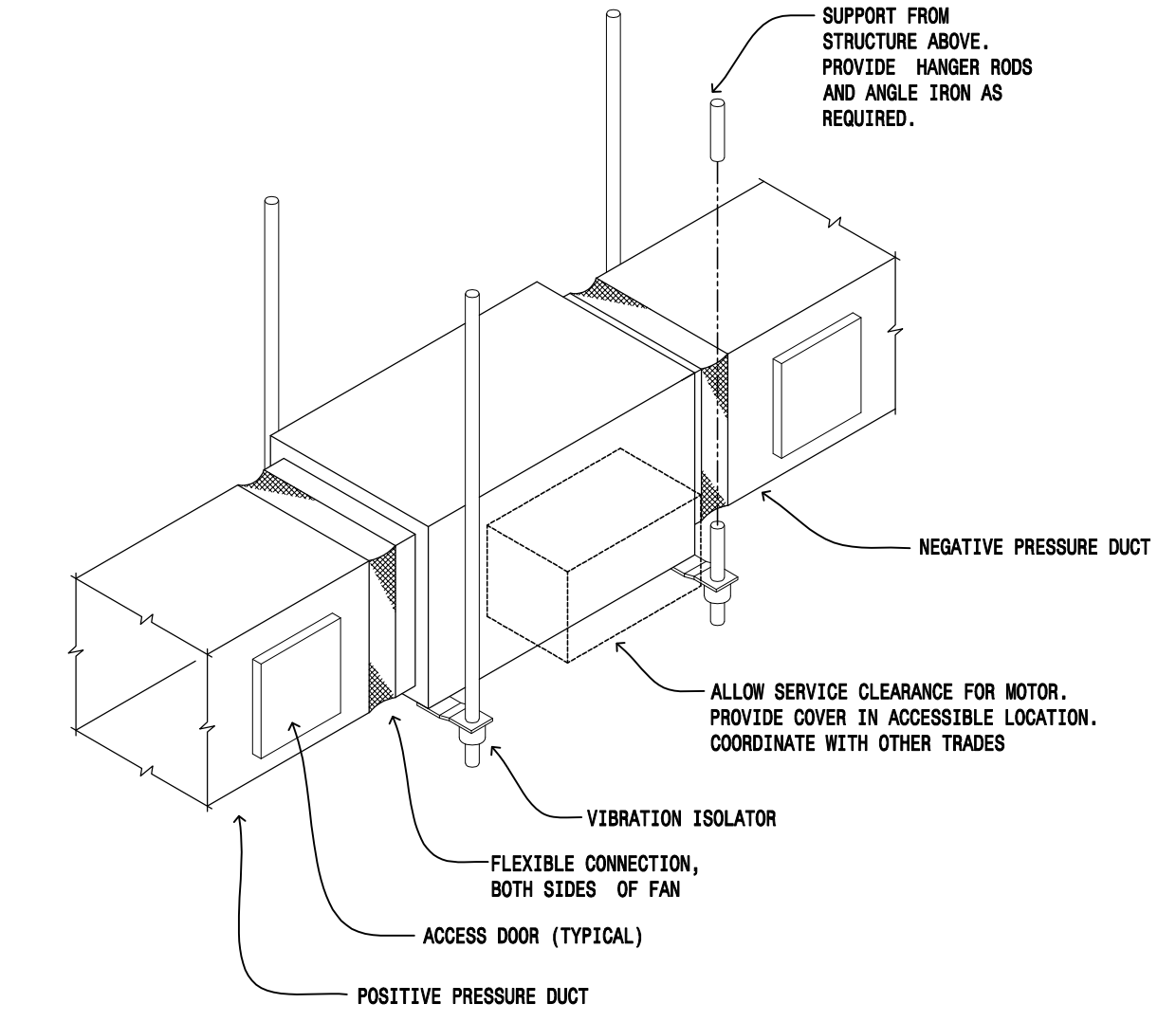
10 LOUVER DETAIL
SCALE: NOT-TO-SCALE



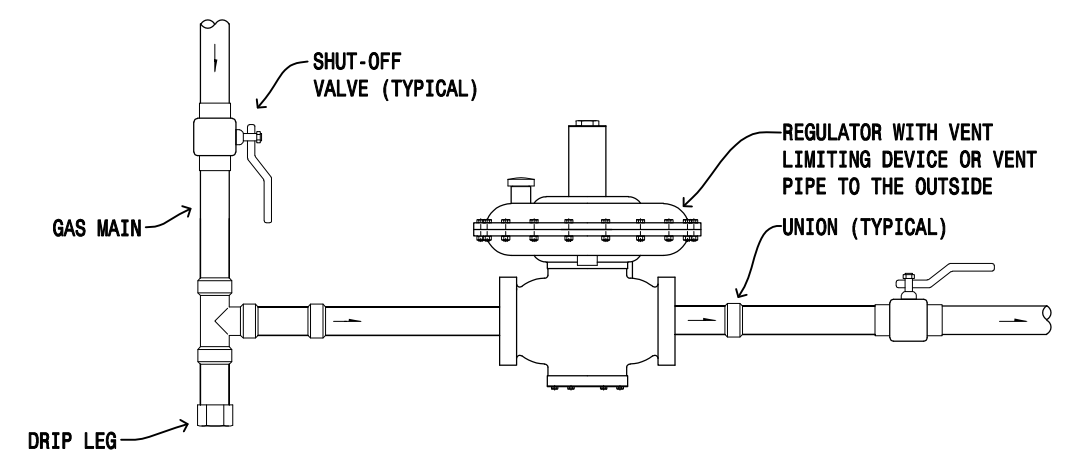
7 FLOOR DRAIN DETAIL
SCALE: NOT-TO-SCALE



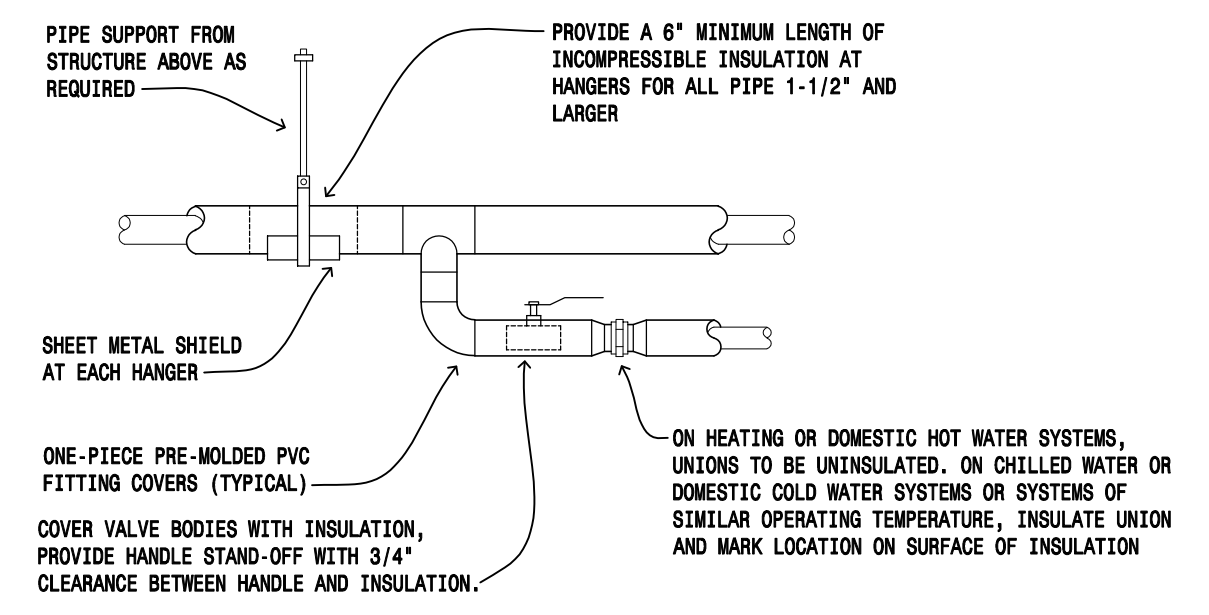
3 NON-RATED WALL PENETRATION DETAIL
SCALE: NOT-TO-SCALE



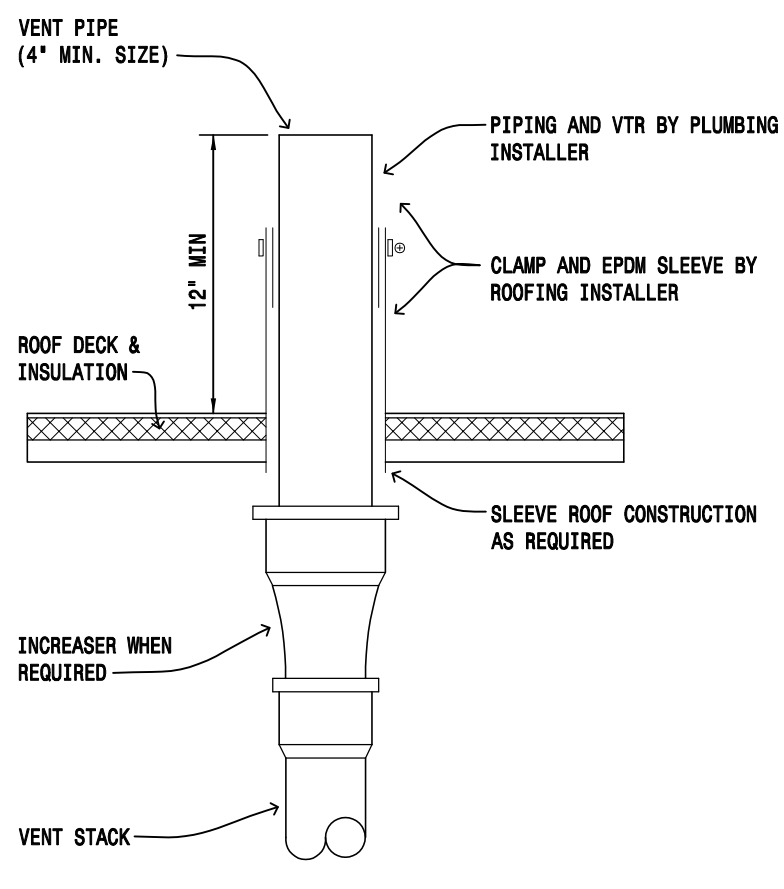
9 INLINE CENTRIFUGAL FAN DETAIL
SCALE: NOT-TO-SCALE



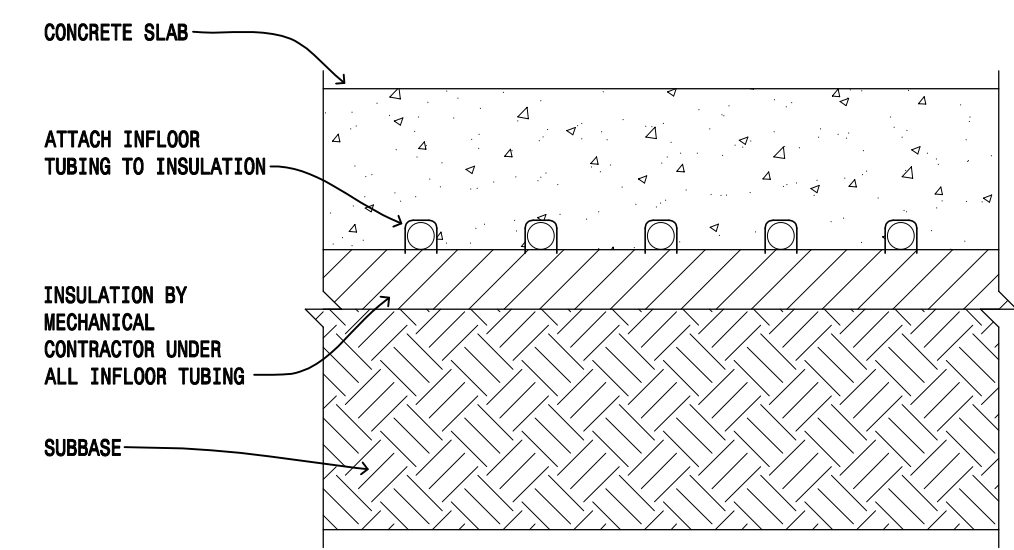
6 GAS REGULATOR DETAIL
SCALE: NOT-TO-SCALE



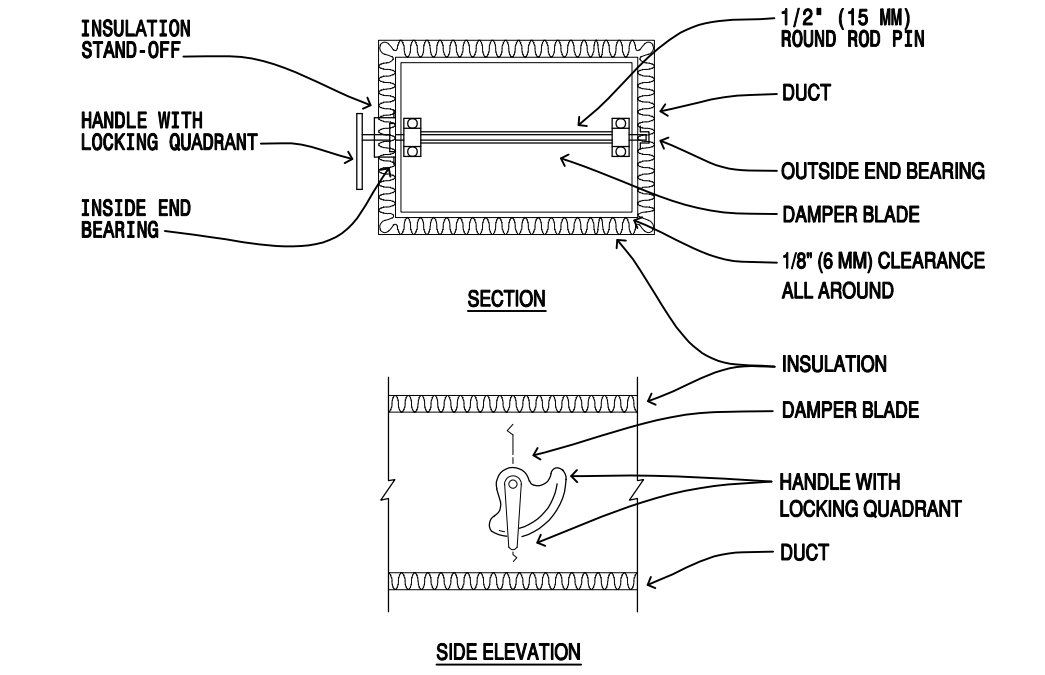
2 PIPING INSULATION DETAIL
SCALE: NOT-TO-SCALE



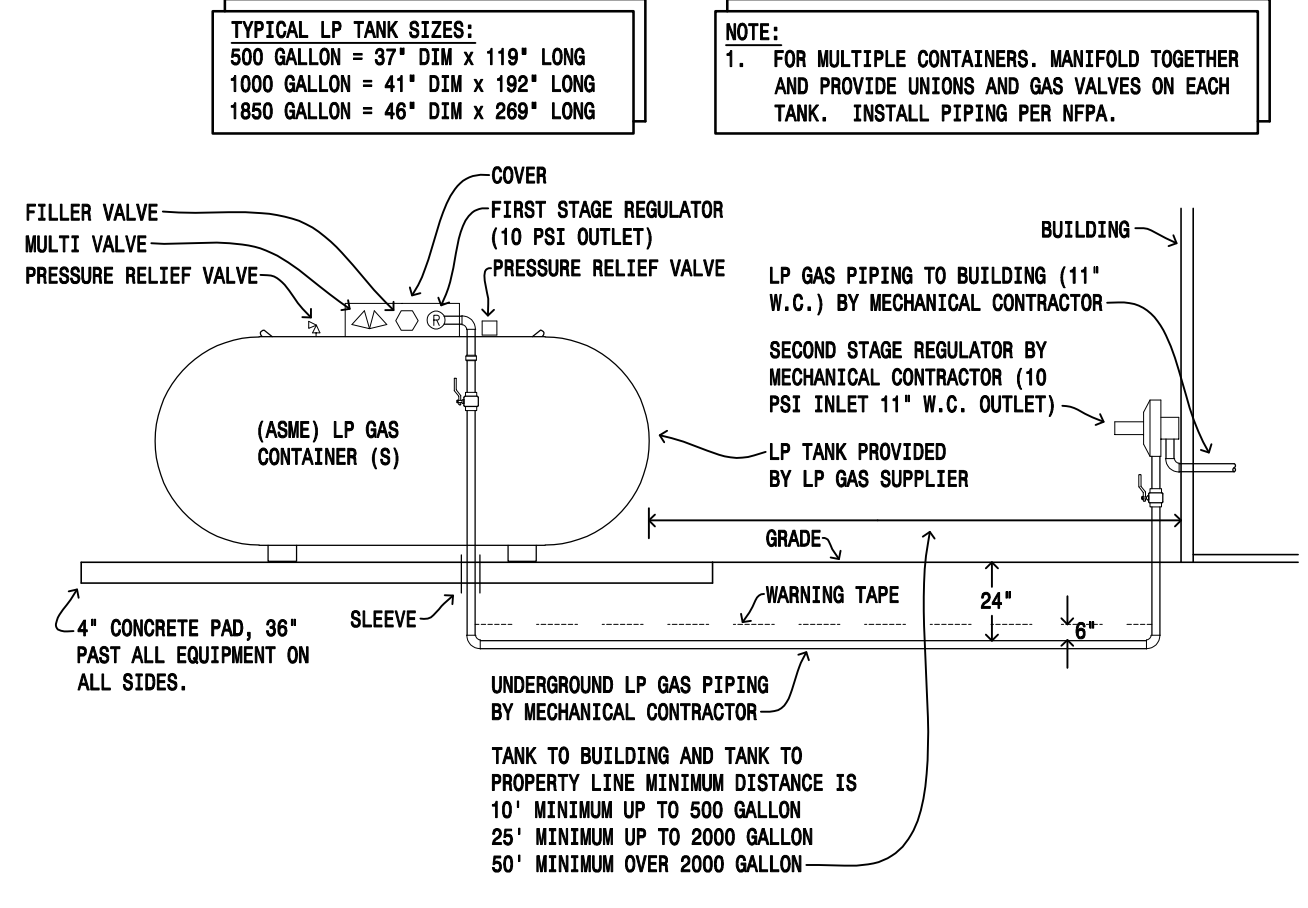
5 PLUMBING VENT DETAIL
SCALE: NOT-TO-SCALE



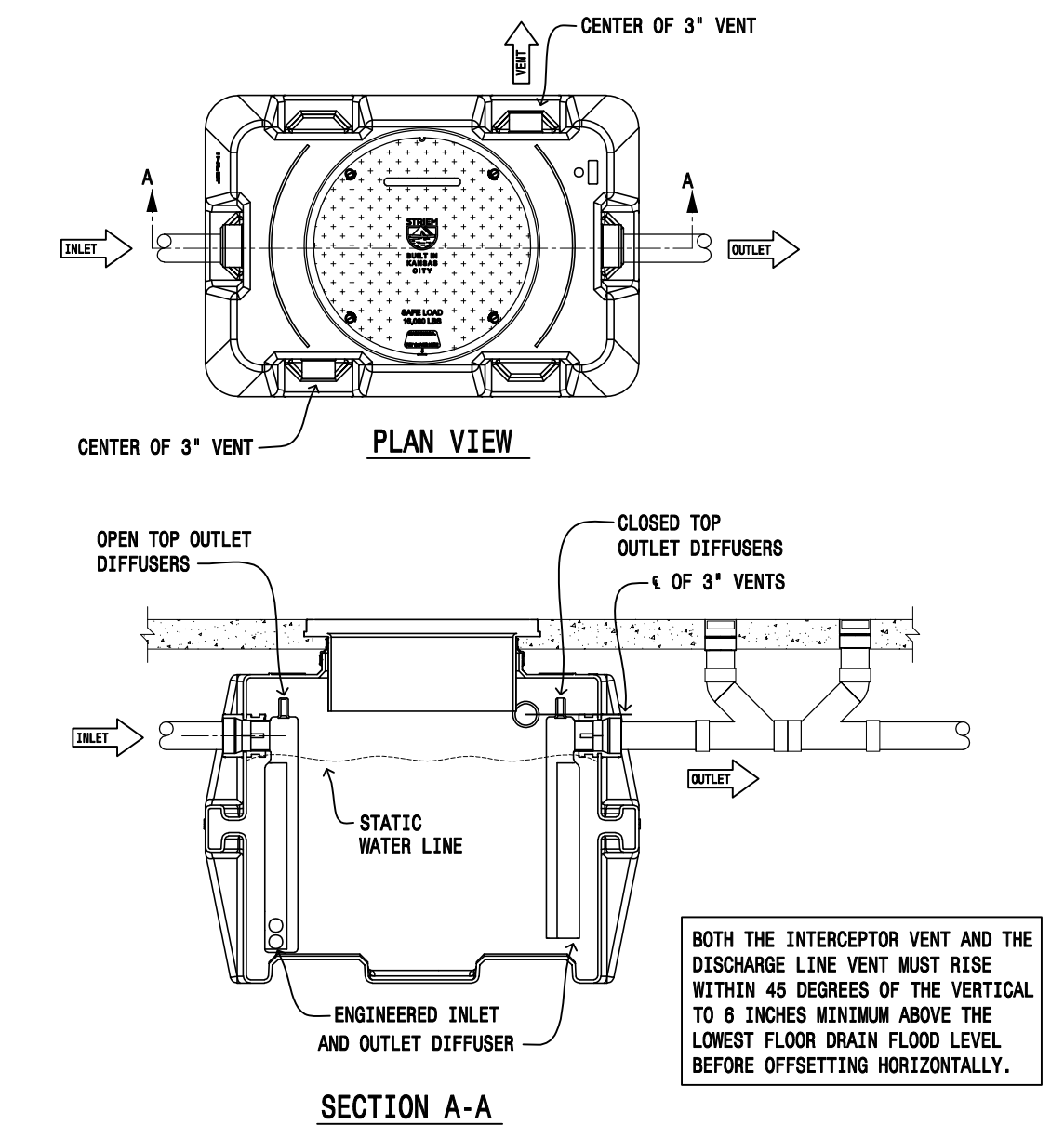
11 INFLOOR TUBING INSTALLATION DETAIL
SCALE: NOT-TO-SCALE



8 VOLUME DAMPER DETAIL
SCALE: NOT-TO-SCALE



4 LP TANK DETAIL
SCALE: NOT-TO-SCALE

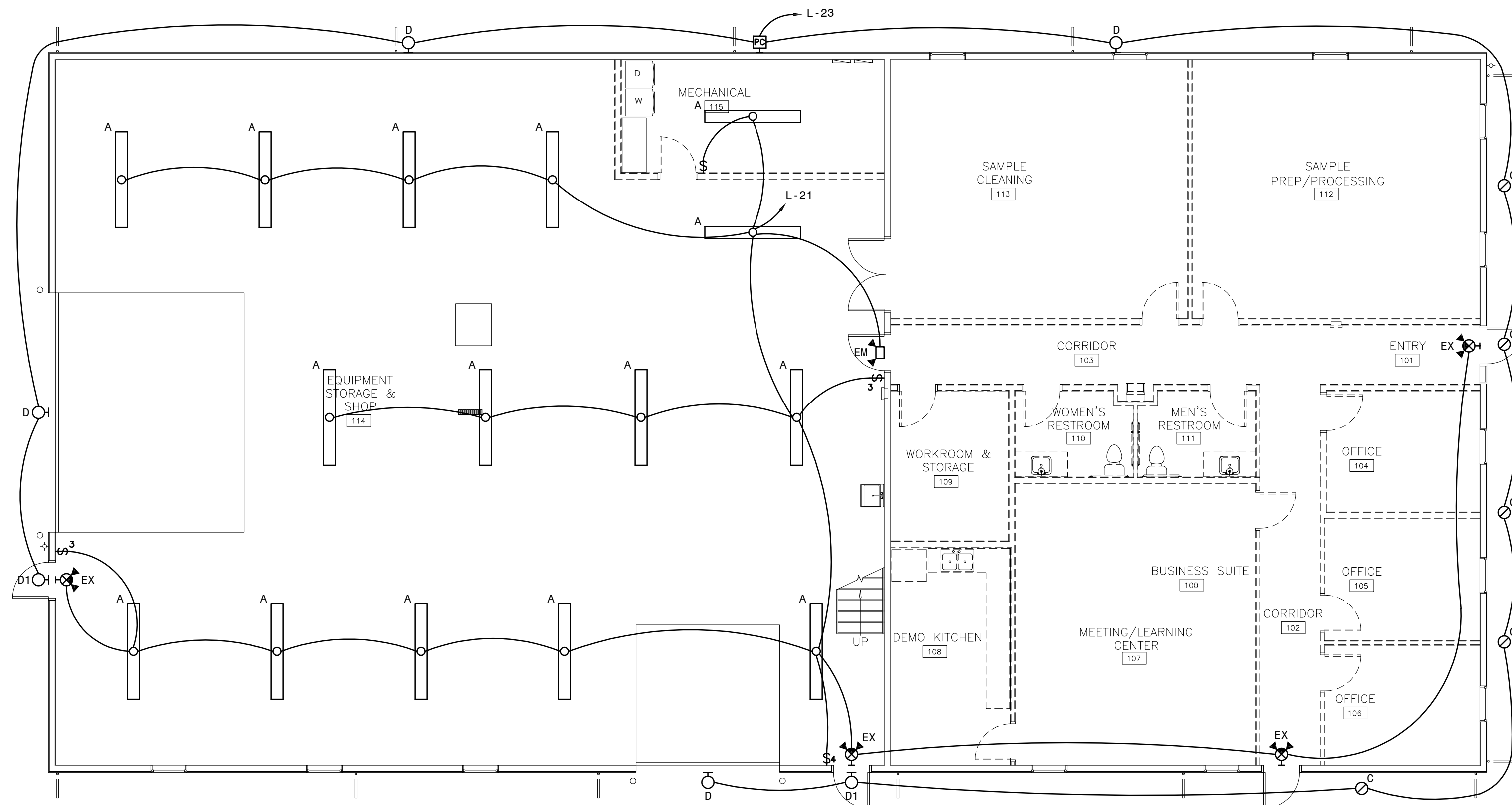


1 SAND/OIL INTERCEPTOR DETAIL
SCALE: NOT-TO-SCALE

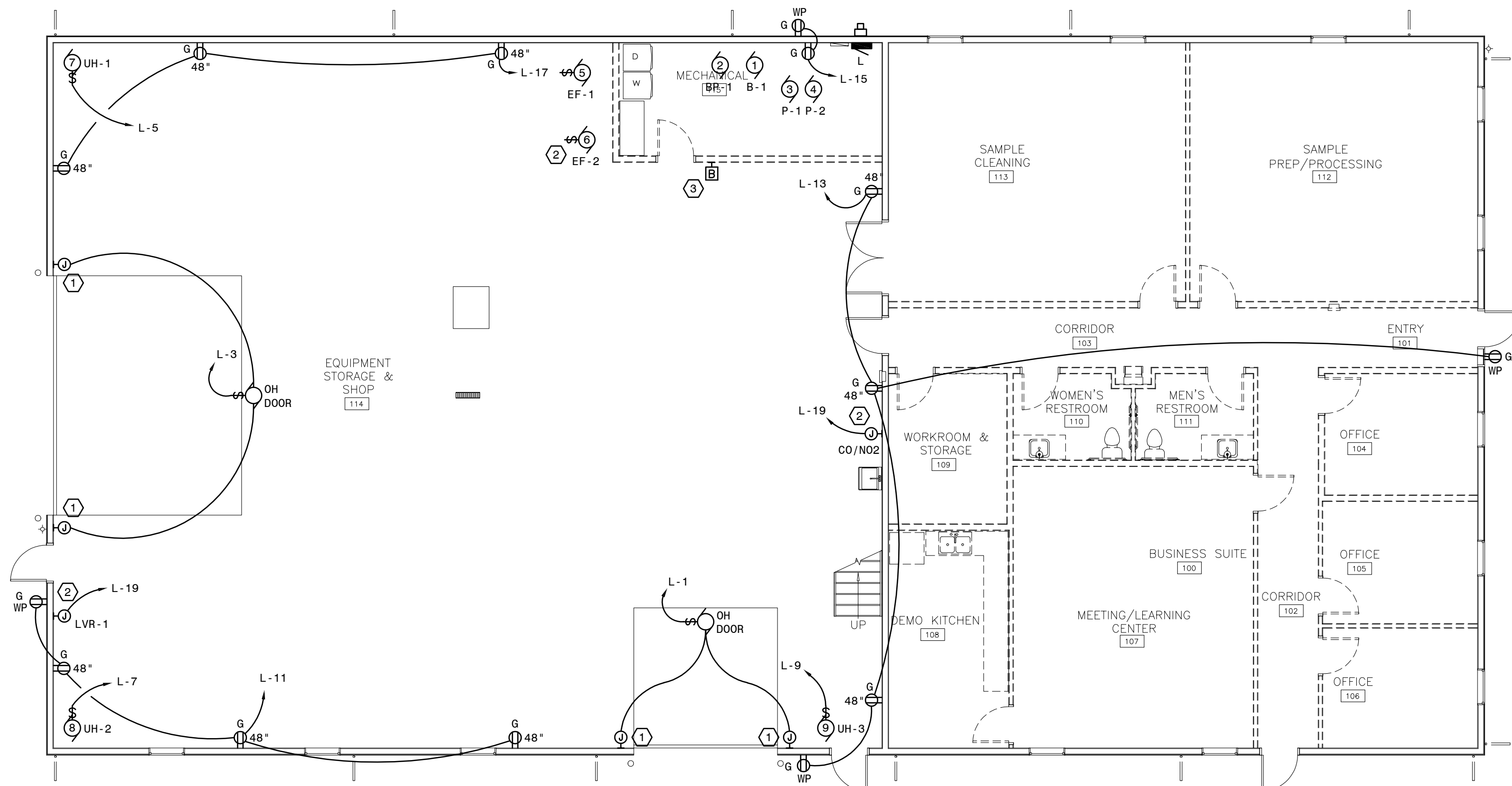
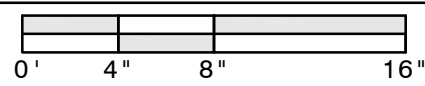
**OAKES GARRISON DIVERSION -
BUILDING SHELL**

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

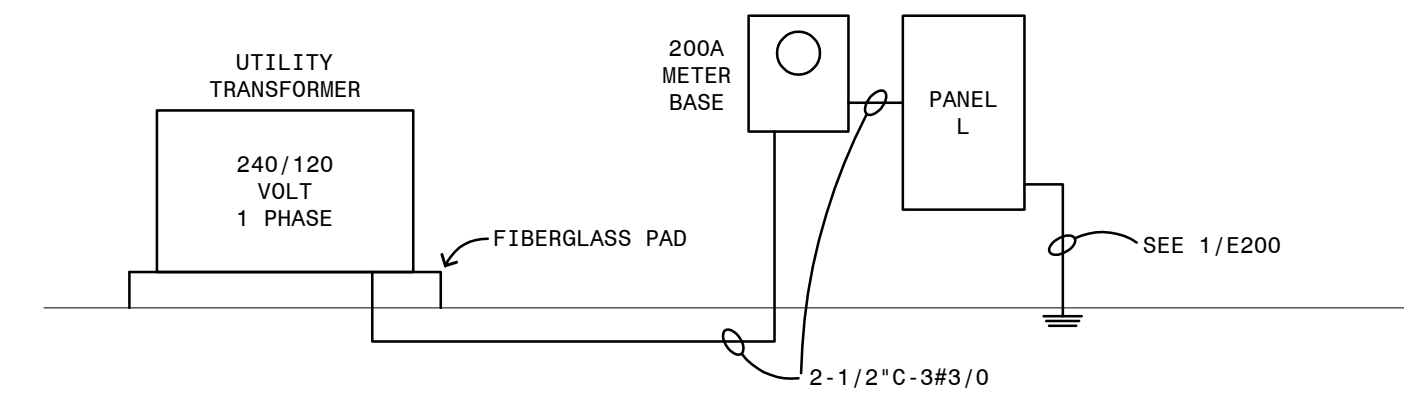
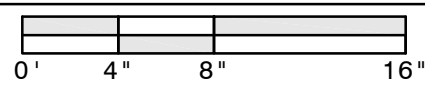
PROJECT PHASE BIDDING PHASE	
DATE 01.23.23	PROJECT 210014
MECHANICAL DETAILS	
M400	



1 FIRST FLOOR PLAN - LIGHTING



2 FIRST FLOOR PLAN - POWER AND SYSTEMS



3 RISER DIAGRAM E100 NOT - TO - SCALE

PLAN NOTES:

- 1 PROVIDE CONNECTIONS TO SAFETY DEVICES FURNISHED WITH OVERHEAD DOOR.
- 2 INSTALL SENSORS FURNISHED WITH CO/NO2 DEFATION SYSTEM. INTERLOCK LVR-1 WITH EF-2 SO LVR-1 OPENS AND EF-2 TURNS ON WHEN CO/NO2 SYSTEM IS IN ALARM.
- 3 PROVIDE A BOILER SHUTDOWN PUSHBUTTON FOR BOILER.

LUMINAIRE SCHEDULE									
TYPE	MANUFACTURERS	CATALOG INFORMATION	FIXTURE DESCRIPTION	LED DATA	DRIVER DATA	INPUT WATTS	VOLTAGE	MOUNTING	REMARKS
				TYPE	TYPE				
A	METALUX OR EQUAL	SIX SERIES	8 FOOT LENSES STRIP LIGHT WITH SQUARE FROSTED LENS, CHAIN HANGERS, 4000K, SELECTABLE OUTPUT, 3 SETTINGS FROM 5000 TO 15000 LUMENS, 90 CRI, INTEGRAL OCCUPANCY SENSOR.	4000K	NON-DIM	100	120VOLT	SURFACE	
C	HALO OR EQUAL	LCR6 SERIES	6 INCH CANLESS DIRECT MOUNT LED DOWNLIGHT WITH WHITE TRIM, 1500 LUMENS, 90 CRI, WET LOCATION LISTED	4000K	0-10V	16	120VOLT	RECESSED	
D	LUMARK OR EQUAL	XTOR SERIES	WALL MOUNT FULL CUTOFF EXTERIOR LED CAST ALUMINUM FIXTURE, 8000 LUMENS, 70 CRI, BLACK FINISH	4000K	NON-DIM	80	120VOLT	WALL	
D1	LUMARK OR EQUAL	XTOR SERIES	WALL MOUNT FULL CUTOFF EXTERIOR LED CAST ALUMINUM FIXTURE, 2700 LUMENS, 70 CRI, BLACK FINISH	4000K	NON-DIM	28	120VOLT	WALL	
EX	SURELITES OR EQUAL	APC SERIES	LED POLYCARBONATE COMBINATION EXIT AND EMERGENCY LIGHT, WHITE HOUSING WITH RED LETTERS, LED LAMPS, NICKEL CADMIUM BATTERY		NON-DIM	2.6	120VOLT	WALL	
EM	SURELITES OR EQUAL	APC SERIES	LED POLYCARBONATE EMERGENCY LIGHT, LED LAMPS, NICKEL CADMIUM BATTERY		NON-DIM	2.6	120VOLT	WALL	



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Jan 26, 2023 2:47PM

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

OAKES GARRISON DIVERSION - BUILDING SHELL

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

PROJECT PHASE
BIDDING PHASE

DATE PROJECT
01.23.23 210014

FIRST FLOOR PLAN - LIGHTING/POWER/SYSTEMS

E100

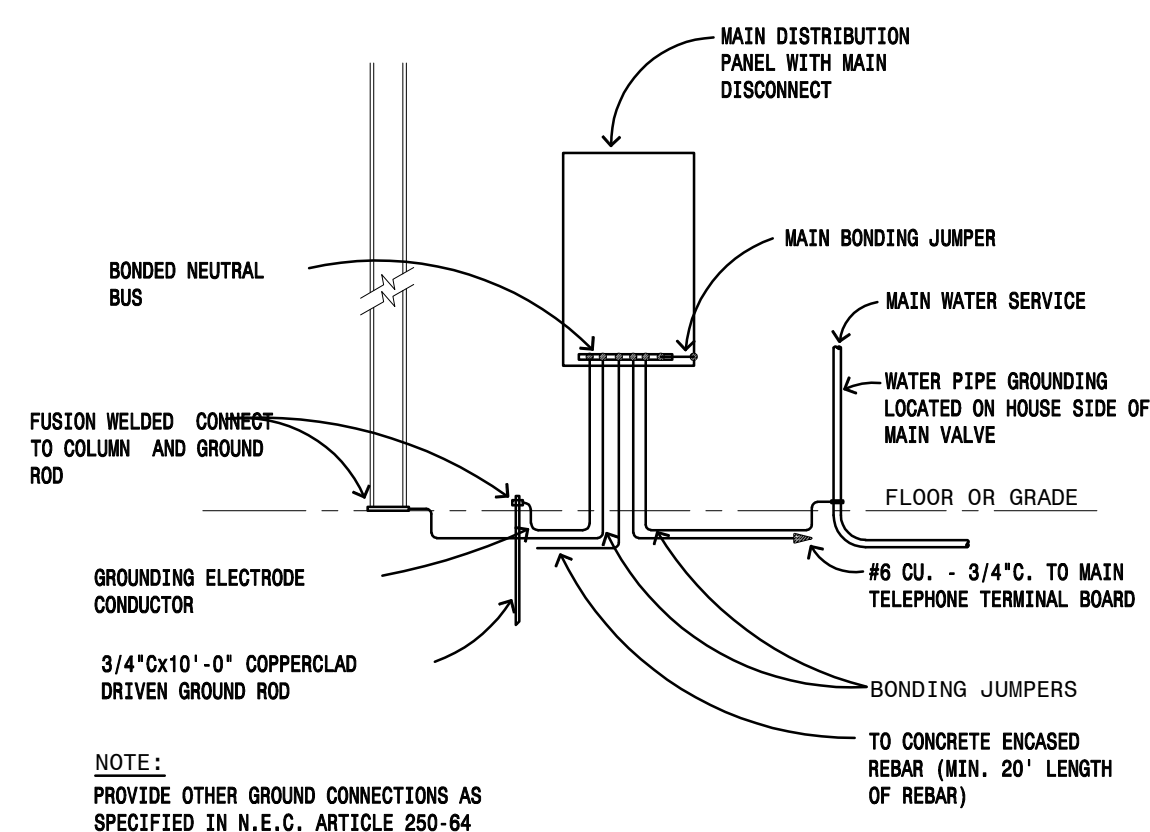
PANELBOARD LOAD SCHEDULE																										
PANEL: L			MAIN: MCB 225A			ENCLOSURE: NEMA 1			LOCATION: 115			VOLTS: 240/120, 1 PH., 3W.			RATING: 225 AMP			AIC RATING: 22,000			MOUNTING: SURFACE			FED FROM: UTILITY		
CKT #	TRIP AMPS	POLE	LOAD IN VOLT-AMPERES					LOAD DESCRIPTION	PH	LOAD IN VOLT-AMPERES					TRIP AMPS	POLE	CKT #									
			LIGHTING	RECPT	MTRS/EQUIP	KITCHEN	HEAT/AC			HEAT/AC	KITCHEN	MTRS/EQUIP	RECPT	LIGHTING												
1	20	1			750		OH DOOR	A	B-1			400					20	1	2							
3	20	1			1200		OH DOOR	B	BP-1			750					20	1	4							
5	20	1			750		UH-1	A	P-1			750					20	1	6							
7	20	1			1200		UH-2	B	P-2			750					20	1	8							
9	20	1			750		UH-3	A	EF-1			1200					20	1	10							
11	20	1			800		114	B	EF-2			1800					20	1	12							
13	20	1			1000		114	A	FUTURE WASHER								*20	1	14							
15	20	1			400		115	B	SPARE								*20	1	16							
17	20	1			600		114	A	FUTURE DRYER								*30		18							
19	20	1				500	CD/NO	B										2	20							
21	20	1			1200		INTERIOR	A	SPARE										22							
23	20	1			400		EXTERIOR	B	SPARE										24							
25	20	1						A	SPARE										26							
27	20	1						B	SPARE										28							
29	20	1						A	SPARE										30							
31	20	1						B	SPARE										32							
33	20	1						A	SPARE										34							
35	20	1						B	SPARE										36							
37	20	1						A	SPARE										38							
39	20	1						B	SPARE									*20	1	40						

LOAD CALCULATIONS					
LOAD TYPE	VA / PHASE		TOTAL VA	DEMAND FACTOR	DIVERSIFIED LOAD
	A	B			
LIGHTING	1,200	400	1600	1.00	1,600
RECEPTACLES	1,600	1,200	2800	0.50	1,400
MOTORS & EQUIP.	4,600	6,200	10800	0.90	9,720
KITCHEN EQUIP.	0	0	0	0.65	0
HEAT / AC	0	0	0	0.90	0
LARGEST MOTOR				0.25	0
TOTAL AMPS:	53		TOTAL VA: 12,720		

NOTES:
1. PROVIDE FEED THRU LUGS
2. BREAKERS NOTED WITH * TO BE GFCI

MOTOR NO.	DESCRIPTION OF MOTOR OR EQUIPMENT	LOCATION (ROOM NO.)	LOAD IN HORSEPOWER (HP) OR FULL LOAD AMPS (FLA)	VOLTAGE, PHASE	PANEL AND CIRCUIT NUMBER OR MCC NUMBER	CONDUCTOR SIZE AND QUANTITY	GROUND CONDUCTOR SIZE	SICR Rating	CONDUIT SIZE	CONTROLLER						DISCONNECT			CONTROL OR AUXILIARY DEVICE (SEE NOTES)														
										MAGNETIC STARTER/DISCONNECT	STARTER SIZE	VARIABLE FREQUENCY DRIVE	MANUAL MOTOR CONTROLLER	TOGGLE SWITCH	PILOT TOGGLE SWITCH	CONTROLLER BY (O.V. NO.)	CONTROLLER LOCATION (ROOM NO.)	DISCONNECT SIZE	FUSIBLE / NON FUSIBLE	IEEE RATING	DISCONNECT BY (O.V. NO.)	VFD	CONTINUOUS OPERATION	CO/NO DETECTION	THERMISTAT	ADJUSTAT	FLOAT SWITCH	FIRE ALARM CONTROL RELAY	FIRE ALARM DUCT DETECTORS (SUPPLY AND RETURN)	INTERLOCK WITH			
1	BOILER B-1	115	3.3A	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
2	BP-1	115	1/6 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
3	P-1	115	1/6 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
4	P-2	115	1/6 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
5	EXHAUST FAN EF-1	114	1/4 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26	1													
6	EXHAUST FAN EF-2	114	1 HP	120, 1		2 #12	#12	1/2"						23	114	20A	NF	1	26			3											
7	UNIT HEATER UH-1	114	1/6 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
8	UNIT HEATER UH-2	114	1/2 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														
9	UNIT HEATER UH-3	114	1/6 HP	120, 1		2 #12	#12	1/2"						23	ON UNIT	20A	NF	1	26														

NOTES FOR AUXILIARY CONTROL DEVICE
1. ELECTRICAL CONTRACTOR TO FURNISH, SET, AND WIRE AUXILIARY CONTROL DEVICE
2. ELECTRICAL CONTRACTOR TO SET, AND WIRE AUXILIARY CONTROL DEVICE FURNISHED BY OTHERS
3. ELECTRICAL CONTRACTOR TO WIRE AUXILIARY CONTROL DEVICE FURNISHED AND SET BY OTHERS
4. PROVIDE DUCT DETECTOR IN SUPPLY AND RETURN DUCTS AND CONNECT TO FA SYSTEM



1 SYSTEM GROUNDING DETAIL (MAIN DISTRIBUTION PANEL)
E200 NOT - TO - SCALE



**PRELIMINARY
NOT FOR CONSTRUCTION**
Jan 26, 2023 2:47PM

REVISION SCHEDULE		
NO.	DESCRIPTION	DATE

**OAKES GARRISON DIVERSION -
BUILDING SHELL**

9251 HIGHWAY 1
OAKES, NORTH DAKOTA 58017

PROJECT PHASE BIDDING PHASE	
DATE 01.23.23	PROJECT 210014
ELECTRICAL SCHEDULES AND DETAILS E200	

Capital Repayment-willingness

\$	2.00 acre
	40 years
<hr/>	
\$	80.00

7,907.00 Current Acres
 \$ 632,560.00 Check to Reclamation

		Based on 130 Acre Pivot
Scenario 1		
Landowner pay 100%	\$ 80.00	\$ 10,400.00
GDCD pay 0%	\$ -	
Scenario 2		
Landowner pay 75%	\$ 60.00	\$ 7,800.00
GDCD pay 25%	\$ 20.00	\$ 2,600.00
Scenario 3		
Landowner pay 50%	\$ 40.00	\$ 5,200.00
GDCD pay 50%	\$ 40.00	\$ 5,200.00
Scenario 4		
Landowner pay 25%	\$ 20.00	\$ 2,600.00
GDCD pay 75%	\$ 60.00	\$ 7,800.00
Scenario 5		
Landowner pay 0%	\$ -	\$ -
GDCD pay 100%	\$ 80.00	\$ 10,400.00

How long do landowners have to repay? Same time period as landowner/GDCD water contract?
 example signed 30yr contract, signed in 2011, 18 remaining
 example signed 29yr contract, signed in 2022, 28 remaining

Section 00 63 63 - CHANGE ORDER FORM

CHANGE ORDER

Change Order No. 4

DATE OF ISSUANCE January 31, 2023 EFFECTIVE DATE _____

Owner: Garrison Diversion Conservancy District
Contractor: Michels Corporation
Project: Red River Valley Water Supply Project, Missouri River Intake,
Screen Structure and Tunnel, McLean County, North Dakota
Owner's Contract No.: 2
Owner's Task Order No.: 2530

The Contract is modified as follows upon execution of this Change Order:

Description:

1. RFC 5: Additional bentonite and replacement separation screens used during tunneling operations. Change related to the differing site condition of coal found in the excavated material. \$11,314.11 added to Contract Price for this change.
2. RFP 5: Change related to the addition of two 10-inch outlets installed on the screen riser pipe for potential future addition of a small Washburn screen. \$11,676.55 added to the Contract Price for this change.
3. RFC 7: Change related to permanently plugging pipe extending vertically through the seal plug installed by ICS under Contract 1. This additional cost is offset by a deduct on Contract 1. \$10,265.69 added to the Contract Price for this change.

Attachments:

- RFC 5: Michels TRNS-142 RFC-005_rev3
- RFP 5: Michels TRNS-141 RFP-005_rev3
- RFC 7: Michels TRNS-140 RFC-007_rev1

CHANGE IN CONTRACT PRICE:

CHANGE IN CONTRACT TIMES:

Original Contract Price
\$18,896,900

Original Contract Times:
Substantial Completion: January 6, 2023
Ready for final payment: February 5, 2023
(days or dates)

Increase from previously approved Change Orders No. 1 to 3:
\$390,459.25

Increase from previously approved Change Orders No. 1 to No. 3:
Substantial Completion: 40
Ready for final payment: 40
(days)

Contract Price prior to this Change Order:
\$19,287,359.25

Contract Times prior to this Change Order:
Substantial Completion: February 15, 2023
Ready for final payment: March 17, 2023
(days or dates)

Increase of this Change Order:
\$33,256.35

~~[Increase]~~~~[decrease]~~ of this Change Order:
Substantial Completion: 0
Ready for final payment: 0
(days)


Contract Price incorporating this Change Order:
\$19,320,615.60

Contract Times with all approved Change Orders:
Substantial Completion: February 15, 2023
Ready for final payment: March 17, 2023
(days or dates)

ACCEPTED:

ACCEPTED:

By: _____
Owner (Authorized Signature)

By: 
Contractor (Authorized Signature)

Title: _____

Title PROJECT MANAGER

Date: _____

Date: 2-17-2023

Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	


COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

For Approval	Approved as Submitted	Resubmit _____ Copies for Approval
For Your Use	Approved as Noted	Submit _____ Copies for Distribution
As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____ RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



January 26, 2023

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 005 – Rev 3

Dear Mr. Ronnekamp:

Michels has reviewed comments in the December 22nd letter regarding RFC 005. Regarding the primary comment related to this RFC, Michels elaborated on the flat fringe rate during the teleconference on January 13, 2023. Per those comments, Michels has not revised this RFC.

A copy of RFC 005 Rev 2 has been attached to this cover letter.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless
CC: Adam Stremcha, SPM



October 26, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – Revision 2

Mr. Ronnekamp:

In accordance with Black and Veatch response to RFC 005 dated October 4, Michels has reviewed the correspondence and provided the following:

1. Insurance Rate – Michels insurance rate is calculated per the following breakdown:
 1. Fed UC – 0.6%
 2. Soc Security – 6.2%
 3. Medicare – 1.45%
 4. SUTA – 9.50%
 5. Worker's Comp – 7.0%
 6. General Liability/Auto – 2.0%
 7. Total Insurance – 26.15% (Change Order is 25%)
2. Mark-Up Percentages - Michels has revised the change order to exclude mark-ups to materials. A revised cost summary is attached to confirm correct mark-up percentages.

The total REVISED cost of this change order is \$11,314.00. If you have any questions or comments please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations



21013912 - TO 2530 RRVWSP Missouri River Intake Screen Structure & Tunnel

COST ESTIMATE - RFC 005

Item #	Description	Est Qty	Est Cost	Additional Qty	Price Per Unit	Sub-Total	Mark-Up	Total Cost
1	Bore Gel - 120/480 Used from additional material purchase.	768.00	\$ 11,006.27	120.00	\$ 16.34	\$ 1,961.30	\$ -	\$ 1,961.30
2	Separation Screens - A170 - 9 additional screens required due to additional gravel and coal oil.	6.00	\$ 2,737.80	9.00	\$ 548.96	\$ 4,940.64	\$ -	\$ 4,940.64
3	Separation Screens - A200 - 6/15 additional screens required due to additional gravel and coal oil.	3.00	\$ 1,495.80	6.00	\$ 568.05	\$ 3,408.30	\$ -	\$ 3,408.30
4	Labor - Mhrs for additional bentonite					\$ 646.19	\$ 96.93	\$ 743.12
5	Labor - Mhrs for installation of additional screens					\$ 292.72	\$ 43.91	\$ 336.628
							Sub-Total	\$ 11,249.15

P&PB Adjustment	\$ 64.96
Total Lump Sum This Request	\$ 11,314.11

Notes:

Michels Representative Signature

(Signature of Project Manager)

10/26/2022

(Date)

CHANGE MANAGEMENT COST SUMMARY

Contract No. 21013912 Contractor: Michels Corp. Date: 10/18/2021
 Project: MRI Screen Structure and Tunnel
 Ref No: RFC 005 Description: Additional Impacts due to Differing Subsurface Conditions

LABOR

(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME)	INSURANCE* RATE (8)	INSURANCE AMOUNT (9)=(3)X(6)X(8)
Separation Unit Tech - Bentonite	Laborer	\$36.00	\$20.15	\$56.15	10.00	\$557.20	25%	\$88.99
Separation Unit Tech - Screen replacement	Laborer	\$36.00	\$20.15	\$56.15	4.50	\$252.68	25%	\$40.05
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
TOTAL FOR LABOR						\$809.88	TOTAL FOR COLUMN (9)	\$129.04

*Workmen's Compensation, PL/PD, FICA, TDI, Federal/State Unemployment Compensation

ADDITIONAL LABOR EXPENSE

(NAME OF EMPLOYEE) (10)	HOTEL RATE (11)	Living Expense (12)	TOTAL (13) = (11) + (12)
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
TOTAL			\$0.00

EQUIPMENT

ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
TOTAL					\$0.00

MATERIALS

DATE	VENDOR	DESCRIPTION	UNIT	UNIT RATE	TOTAL
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
TOTAL					\$0.00

SUBCONTRACTOR

DATE	SUBCONTRACTOR	DESCRIPTION	UNIT	UNIT RATE	TOTAL
					\$0.00
					\$0.00
					\$0.00
					\$0.00
TOTAL					\$0.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 938.91	\$ -	\$ 938.91
LABOR EXPENSE	\$ -	\$ -	\$ -
EQUIPMENT	\$ -	\$ -	\$ -
MATERIAL	\$ -	\$ -	\$ -
SUBCONTRACTOR	\$ -	\$ -	\$ -

	\$	938.91
P&PB ADJUSTMENT	\$	-
SUMMARY TOTAL	\$	938.91



BLACK & VEATCH CORPORATION
 8400 WARD PARKWAY
 KANSAS CITY, MO 64114 USA
 +1 913-458-2000 | RONNEKAMPKA@BV.COM

Tuesday, October 4, 2022

Michels Corporation
 P.O. Box 128
 817 Main Street
 Brownsville, WI 53006

RRVWSP TO 2530 MRI CT2

BV Project 405425
 BV File 60.2350

Attention: Clayton Newman

Subject: Engineer Response to RFC-005_rev1

Mr. Newman:

The Engineering Team reviewed the revised RFC-005 transmittal and has comments concerning the items listed below:

Insurance Rate. The team is accustomed to seeing labor markups for fringe benefits, including insurance, in the 40- to 50-percent range of the raw labor cost or base rate. Please provide documentation justifying the additional 25-percent labor markup for insurance as it is customarily included in the 40- to 50-percent for fringe benefits.

Mark Up Percentages. Additional bore gel and separation screens were required to accommodate the tunneling conditions encountered. These materials were not, however, incorporated in the work, so per the General Conditions a markup is not appropriate. These types of items are paid for "at-cost". Please see below for the appropriate markup percentages per the General Conditions:

Description	Percentage
Labor, including Fringe Benefits	15%
Labor Direct Expenses	0%
Rental Equipment (owned or leased)	0%
Materials and Equipment Incorporated in the Work	15%
Subcontractors	5%

Please provide the above-requested information to assist in our processing and recommendation for RFC approval.

Sincerely,

BLACK & VEATCH

Kurt Ronnekamp
 Sr Project Manager

Enclosures

cc: Duane DeKrey, GDCD
 Kip Kovar, GDCD
 Cory Chorne, AE2S; Aswathy Sivaram, BV

Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	

COPIES	DATE	NO.	DESCRIPTION


THESE ARE TRANSMITTED as checked below:

For Approval	Approved as Submitted	Resubmit _____ Copies for Approval
For Your Use	Approved as Noted	Submit _____ Copies for Distribution
As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____

RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



August 24, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – REVISED

Mr. Ronnekamp:

In accordance with Michels' response later transmitted June 13, 2022 and email correspondence on August 24, 2022, Michels has compiled the additional impacts for RFC 005 originally submitted April 7, 2022. Due to the increased gravel content as well as the significant coal content producing liquid by-product, tunneling operations required additional bentonite and had to replace several more separation screens than were estimated per the geotechnical data at the time of bid. A summary of these impacts has been included in the submission of this revised RFC as well as pertinent correspondence.

The total cost of this change order is \$13,001.00. If you have any questions or comments please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations



21013912 - TO 2530 RRVWSP Missouri River Intake Screen Structure & Tunnel

COST ESTIMATE - RFC 005

Item #	Description	Est Qty	Est Cost	Additional Qty	Price Per Unit	Additional Cost
1	Bore Gel - 120/480 Used from additional material purchase.	768.00	\$ 11,006.27	120.00	\$ 16.34	\$ 1,961.30
2	Separation Screens - A170 - 9 additional screens required due to additional gravel and coal oil.	6.00	\$ 2,737.80	9.00	\$ 548.96	\$ 4,940.64
3	Separation Screens - A200 - 6/15 additional screens required due to additional gravel and coal oil.	3.00	\$ 1,495.80	6.00	\$ 568.05	\$ 3,408.30
4	Labor - Mhrs for additional bentonite					\$ 646.19
5	Labor - Mhrs for installation of additional screens					\$ 292.72
						\$ -
Sub-Total						\$ 11,249.15
Mark-Up						\$ 1,687.37

P&PB Adjustment	\$ 64.96
Total Lump Sum This Request	\$ 13,001.48

Notes:

Michels Representative Signature

(Signature of Project Manager)

8/24/2022

(Date)

CHANGE MANAGEMENT COST SUMMARY

Contract No. 21013912 Contractor: Michels Corp. Date: 10/18/2021
 Project: MRI Screen Structure and Tunnel
 Ref No: RFC 005 Description: Additional Impacts due to Differing Subsurface Conditions

LABOR

(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME) (8)	INSURANCE* RATE (8)	INSURANCE AMOUNT (9)=(3)X(6)X(8)
Separation Unit Tech - Bentonite	Laborer	\$36.00	\$20.15	\$56.15	10.00	\$557.20	25%	\$88.99
Separation Unit Tech - Screen replacement	Laborer	\$36.00	\$20.15	\$56.15	4.50	\$252.68	25%	\$40.05
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
				\$0.00		\$0.00	25%	\$0.00
TOTAL FOR LABOR						\$809.88	TOTAL FOR COLUMN (9)	\$129.04

*Workmen's Compensation, PL/PD, FICA, TDI, Federal/State Unemployment Compensation

ADDITIONAL LABOR EXPENSE

(NAME OF EMPLOYEE) (10)	HOTEL RATE (11)	Living Expense (12)	TOTAL (13) = (11) + (12)
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00
TOTAL			\$0.00

EQUIPMENT

ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
					\$0.0
TOTAL					\$0.00

MATERIALS

DATE	VENDOR	DESCRIPTION	UNIT	UNIT RATE	TOTAL
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
TOTAL					\$0.00

SUBCONTRACTOR

DATE	SUBCONTRACTOR	DESCRIPTION	UNIT	UNIT RATE	TOTAL
					\$0.00
TOTAL					\$0.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 938.91	\$ 140.84	\$ 1,079.75
LABOR EXPENSE	\$ -	\$ -	\$ -
EQUIPMENT	\$ -	\$ -	\$ -
MATERIAL	\$ -	\$ -	\$ -
SUBCONTRACTOR	\$ -	\$ -	\$ -

	\$	1,079.75
P&PB ADJUSTMENT	\$	5.67
SUMMARY TOTAL	\$	1,085.42



Ditch Witch® of North Dakota

150

Ditch Witch® of North Dakota

2921 Twin City Drive Mandan, ND 58554-3800 (701) 663-9551 • Fax: (701) 663-0692
 1100 West Main West Fargo, ND 58078 (701) 282-3600 • Fax: (701) 282-3636

www.ditchwitchnd.com

Ship To: MICHELS CORPORATION
 ATTN: RYAN 414-213-8314
 OUTSIDE OF TOWN
 WASHBURN, ND 58576

Invoice To: MICHELS CORPORTION
 817 MAIN STREET
 PO BOX 128
 BROWNSVILLE WI 53006

Branch MANDAN		CNNYYY
Date 07/27/22	Time 10:59:07 (O)	Page 01
Account No. MICHE002	Phone No. 9205833132	Invoice No. P11334
Ship Via	Purchase Order B406117JS	
		Salesperson KJ1

PARTS INVOICE

ORDER#: 010768

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	480	480		RETAIL		13.44	
					480		*	11.92	5721.60
FRT	FREIGHT		1	1	1		*	1750.00	1750.00
								SUB TOTAL==>	7471.60
								NORTH DAKOTA 5%	373.58
								IN HOUSE CHARGE	7845.18

SUBMITTED FOR JOB APPROVAL%CRLF%**If Revising Distribution**%CRLF

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X
 Received By
 MICHELS CORPORATION

Cathy Lauters

From: Ryan Ward
Sent: Wednesday, August 3, 2022 7:38 AM
To: Clayton Newman; Cathy Lauters
Subject: RE: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Received, no packing slip. Thank you.

Ryan Ward, EIT
Field Engineer
Trenchless Crossings Operations

received
8.3.22 CJ

office: 920.924.4300 | cell: 414.213.8314
rward@michels.us
PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us



THE INFORMATION CONTAINED IN THIS COMMUNICATION MAY BE CONFIDENTIAL, AND/OR LEGALLY PRIVILEGED, AND IS INTENDED ONLY FOR THE USE OF THE RECIPIENT(S) NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION OR ANY OF ITS CONTENTS IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY THE SENDER AND DELETE THE COMMUNICATION IN ITS ENTIRETY.

From: Clayton Newman <cnewman@michels.us>
Sent: Wednesday, August 3, 2022 7:32 AM
To: Ryan Ward <rward@michels.us>
Subject: Fwd: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Thank You,

Begin forwarded message:

From: Cathy Lauters <CLauters@michels.us>
Date: August 3, 2022 at 07:31:53 CDT
To: Clayton Newman <cnewman@michels.us>
Subject: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Clayton,
Did you receive this material and if you have the packing slip please forward it to me, thank you?

Cathy Lauters
Procurement Specialist

office: 920.924.4300 x2309 | fax: 920.583.3240
CLauters@michels.us

152



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2921 Twin City Drive
Mandan, ND 58554-3800
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www.ditchwitchnd.com

1100 West Main
West Fargo, ND 58078
(701) 282-3600 • Fax: (701) 282-3636

Ship To:
MICHELS CORPORATION
ATTN: RYAN 414-213-8314
OUTSIDE OF TOWN
WASHBURN, ND 58576

Invoice To:
MICHELS CORPORTION
817 MAIN STREET
PO BOX 128
BROWNSVILLE WI 53006

Branch		MANDAN		CNNYYY	
Date	06/22/22	Time	08:20:29 (O)	Page	01
Account No.	MICHE002	Phone No.	9205833132	Invoice No.	P11194
Ship Via	DWND DELIVERED		Purchase Order B407165JS		
					Salesperson KJ1

PARTS INVOICE

ORDER#: 010641

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	768	768		RETAIL		12.73	
					768		*	11.37	8732.16
FRT	FREIGHT		1	1	1		*	1750.00	1750.00

SUB TOTAL==> 10482.16
NORTH DAKOTA 5% 524.11

SUBMITTED FOR JOB APPROVAL% CRLF% **If Revising Distribution ** CRLF% IN HOUSE CHARGE 11006.27

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X

Received by
RYAN MICHELS
MICHELS CORPORATION



Ditch Witch®
of North Dakota

Ditch Witch® of North Dakota

2921 Twin City Drive
Mandan, ND 58554-3800
(701) 663-9551 • Fax: (701) 663-0692
www.ditchwitchnd.com

1100 West Main
West Fargo, ND 58078
(701) 282-3600 • Fax: (701) 282-3636

Ship To: MICHELS CORPORATION
ATTN: RYAN 414-213-8314
OUTSIDE OF TOWN
WASHBURN, ND 58576

received
6/22/22

Invoice To: MICHELS CORPORTION
817 MAIN STREET
PO BOX 128
BROWNSVILLE WI 53006

Branch		MANDAN		CANNVYV	
Date	06/22/22	Time	08:20:29 (O)	Page	01
Account No.	MICHE002	Phone No.	9205833132	Invoice No.	P11194
Ship Via		Purchase Order			
DWND DELIVERED		B407165JS			
					Salesperson
					KJ1

PARTS INVOICE

ORDER#: 010641

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	768	768		RETAIL		12.73	
					768		*	11.37	8732.16
FRT	FREIGHT		1	1	1		*	1750.00	1750.00
								SUB TOTAL==>	10482.16
								NORTH DAKOTA 5%	524.11
								IN HOUSE CHARGE	11006.27

- Good condition

total 16 pallets

received 6/22/22

1030AM

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X *Ryan*
MICHELS CORPORATION



Derrick Corporation
 590 Duke Road
 Buffalo, New York 14225
 U.S.A.

Office: (716) 683-9010
 Fax: (716) 683-4991
 Email: info@derrick.com

154

Invoice Number: 561588
Date: 07/31/2022
Due Date: 08/30/2022
Page: 1 of 2
Salesperson: DC/NON
Invoice Type: Regular Invoice
Bill Preference: E

Destination USA

543400

58

B Michels Corporation
I PO Box 128
L Brownsville WI 53006
L USA
T
O

S Michels Corp
H 1195 US-83
I Washburn ND 58577
P USA
T
O

Order	Purchase Order	Package	Prepaid	Weight	Ship Via	Terms
H006021831	21013912		0.00		PP&A-2	Net 30 Days

Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price
1	9.000	9.000	0.000	484.20000	4,357.80

Item: PMD48-30DX-A170
CI:
Description: PANEL,PYR-DX API 170 48-30
U/M: EA
Date Shipped: 07/25/2022

2	15.000	15.000	0.000	529.20000	7,938.00
---	--------	--------	-------	-----------	----------

Item: PMD48-30DX-A200
CI:
Description: PANEL,PYR-DX API 200 48-30
U/M: EA
Date Shipped: 07/25/2022

Tax Basis Summary

Tax Code: 34

Sales Tax

Tax Rate

5.0000

Tax Basis

12,820.42

154



Derrick Corporation
 590 Duke Road
 Buffalo, New York 14225 U.S.A.

155

Invoice Number: 561588
Date: 07/31/2022
Due Date: 08/30/2022
Page: 2 of 2

Office: (716) 683-9010
 Fax: (716) 683-4991
 Email: info@derrick.com

Order	Purchase Order	Package	Prepaid	Weight	Ship Via	Terms
H006021831	21013912		0.00		PP&A-2	Net 30 Days
Line/Rel	Qty Ordered	Qty Shipped	Back Order		Unit Price	Extended Price

Sales Amount(USD)	12,295.80
Misc Charges	0.00
Freight	524.62
Sales Tax	641.02
Prepaid Amount	0.00
Total(USD)	13,461.44

To ensure proper credit, please reference invoice numbers and amounts on your payment. For electronic payments, please send payment detail to AR@derrick.com -

ACH payments (ACH-CTX Preferred):

Derrick Corporation
 HSBC Bank USA
 Account No.: 750081210
 Routing No.: 022000020
 Or use <https://www.e-billexpress.com/ebpp/DerrickACH>

Wire transfers:

Derrick Corporation
 HSBC Bank USA
 Account No.: 750081210
 Routing No.: 021001088
 SWIFT No.: MRMDUS33

Make checks payable to:

Derrick Corporation
 590 Duke Rd.
 Buffalo, NY 14225

155



590 DUKE ROAD
 BUFFALO, NY 14226
 716.683.9010
 716.683.4991 Fax
 FedID: 16-0847196

Order Acknowledgement ¹⁵⁶

09/15/2021

Salesperson: DC/NON
Taken By: BCRIGGLE
Warehouse: DUKE
Destination: USA

Sold To: 543400

Ship To: 54

Michels Corporation
 PO Box 128
 Brownsville WI 53006
 USA

Michels Trenchless
 Building 11
 W964 HWY49
 Lomira WI 53048
 USA

Order	Cust PO	Ship Via	Package	Prepaid	Date Order	Terms	Verification Date	
C000094053	BTUNN723666	PP&A-2			9/15/2021	Net 30 Days	9/15/2021	
Line/Release	Due Date	Qty	UM	Item	Price	Disc	Unit Price	Net Amount
1 0	10/06/2021	6.00	EA	TH48-30X0.43MT-S PANEL,URE-0.43MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	6,264.00
Notice - This item is not eligible for return. Line Note: Job# 21013912 Mark Ballard								
2 0	10/06/2021	12.00	EA	TH48-30X0.39MT-S PANEL,URE-0.39MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	12,528.00
3 0	10/06/2021	12.00	EA	TH48-30X0.35MT-S PANEL,URE-0.35MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	12,528.00
Notice - This item is not eligible for return.								
4 0	10/06/2021	3.00	EA	PMD48-30DX-A120 PANEL,PYR-DX API 120 48-30	399.00	10.00	359.10000	1,077.30
Notice - This item is not eligible for return.								
5 0	10/06/2021	6.00	EA	PMD48-30DX-A140 PANEL,PYR-DX API 140 48-30	407.00	10.00	366.30000	2,197.80
6 0	10/06/2021	6.00	EA	PMD48-30DX-A170 PANEL,PYR-DX API 170 48-30	507.00	10.00	456.30000	2,737.80
7 0	10/06/2021	3.00	EA	PMD48-30DX-A200 PANEL,PYR-DX API 200 48-30	554.00	10.00	498.60000	1,495.80



590 DUKE ROAD
 BUFFALO, NY 14226
 716.683.9010
 716.683.4991 Fax
 FedID: 16-0847196

Order Acknowledgement ¹⁵⁷

09/15/2021

Salesperson: DC/NON
Taken By: BCRIGGLE
Warehouse: DUKE
Destination: USA

Sold To: 543400

Michels Corporation
 PO Box 128
 Brownsville WI 53006
 USA

Ship To: 54

Michels Trenchless
 Building 11
 W964 HWY49
 Lomira WI 53048
 USA

Order	Cust PO	Ship Via	Package	Prepaid	Date Order	Terms	Verification Date
C000094053	BTUNN723666	PP&A-2			9/15/2021	Net 30 Days	9/15/2021

Line/Release	Due Date	Qty	UM	Item	Price	Disc	Unit Price	Net Amount
--------------	----------	-----	----	------	-------	------	------------	------------

Sales Amount:	38,828.70
Order Disc (0.00%):	0.00
Sales Tax:	0.00
Freight:	0.00
Misc:	0.00
Prepaid:	0.00
Total USD:	38,828.70

All Prices in US Dollars

The accompanying "Terms and Conditions of Sale" are an integral part of this Order Acknowledgement. Any deviation from these terms and conditions of sale may affect price and/or delivery schedule.



June 13, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Please consider this response to letter from Black & Veatch dated May 12 addressing the submittal of RFC 005.

Black & Veatch summarized the soil classifications per GBR Section 6.3 Table 6-1 that discusses the general definitions related to soil and gravel for the purpose of general soil classification. The entirety of the assessment included by the engineer denies Michels request based on the general classifications for sand vs gravel in the Geotechnical Baseline Report over the entirety of the tunnel and does not review or assess the significant change in material profile provided by MRI-6 within the Geotechnical Data Report.

The assessment by Michels and subsequent Request for Change (RFC 005) are based on the data provided on MRI-6 within The Geotechnical Data Report. Michels' request did not characterize or generalize the entirety of the tunnel alignment, but the intent was to note specifically that within the area of the exit portal at the Cofferdam, MRI-6 boring provided a material test that at the alignment consistent with the tunnel elevation, detailed a sieve analysis significantly different than the MTS report included by Michels during that excavation. Within the letter, Black & Veatch references samples taken internally of excavated material within the cofferdam but provides no reports or verification of elevations at which the samples were taken.

The difference in material per the MTS reports is clearly stated; and based on the scour reports provided throughout the project, the anticipated depth of cover is much lower at the exit portal than throughout the rest of the tunnel alignment, which increases the concern and possibility of impacts in the tunnel alignment near the exit portal if the soil is inconsistent with the MTS reports provided in the GDR. The assessment of soil composition is based on the boring in the immediate zone described. The lack of small particle properties in the tested soil vs. the information provided per MRI-6 boring does qualify as a change in soil condition.

The above clarification and information will be utilized to assess possible impacts to tunnel in the zone discussed. If any impact does occur as the result of the conditions above, Michels will itemize and submit impacts within a follow up to this correspondence.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations



BLACK & VEATCH CORPORATION

8400 WARD PARKWAY
KANSAS CITY, MO 64114 USA
+1 913-458-2000 | RONNEKAMPKA@BV.COM

Thursday, May 12, 2022

Michels Corporation
P.O. Box 128
817 Mai Street
Brownsville, WI 53006

RRVWSP TO 2530 MRI CT2

BV Project 405425
BV File 60.2350

Attention: Clayton Newman

Subject: RFC 005 – Dated April 7, 2022, titled Tunneling Impact Due to Soil Variance

Mr. Newman:

The engineering team reviewed the subject request for change regarding impacts to the Missouri River Intake, Contract 2 project (Task Order 2530). LTR-013, included for reference in RFC 005, asserted Michels' perspective that, upon visual inspection, soils excavated from the cofferdam between the approximate elevations of 1620.00 to 1610.00 did not correspond to soil conditions detailed in the Geotechnical Data Report. Additionally, LTR-013 provided notice that Michels would obtain and test samples between the approximate elevations of 1610.00 to 1600.00 during subsequent phases of cofferdam excavation.

As such, RFC 005 includes sieve analysis results from one disturbed sample obtained from approximate elevation 1605.00 to support the perspective that *"the soils within the tunnel alignment are not consistent with the soil classifications provided by client for bid assumptions and contract documentation, and therefore necessitate a change in condition"*. The Engineer obtained and performed sieve analysis testing on several disturbed samples during cofferdam excavation.

The Engineer disagrees with Michels' assertion. The Geotechnical Baseline Report baselines gravels within the tunnel alignment. These gravels were classified via USCS which defined gravels as coarse-grained soils where more than 50% of the coarse fraction is larger than the No. 4 sieve size. Gravels as a soil unit comprise of alluvial deposits that include poorly and well graded clean gravels, silty gravels, and gravels with silt and sand. Michels' sample provided within RFC 005 falls within the range of gravel baselines for the microtunnel published within the GBR. Figure 6-4 of the GBR presents gravel gradation curves for samples within the tunnel horizon, included within Attachment A. When comparing the gradation data from sample provided by Michels with RFC 005, the sample falls within the range outlined in the GBR. Figure 1, included within Attachment A, presents Figure 6-4 of the GBR and the RFC 005 sample gradation.

Table 6-1 of the GBR presents baseline soil properties within the tunnel horizon; specifically, percentages of soil type by volume within the tunnel horizon over the total length of the tunnel (See Attachment A). The disturbed sample obtained during cofferdam excavation within the tunnel horizon is not representative of the entire breadth of material within the tunnel length and horizon. As such, the Engineer does not agree with Michels' position that soil encountered at the cofferdam within the tunnel horizon is a variance from that which was baselined within the GBR.

Sincerely,

BLACK & VEATCH

A handwritten signature in blue ink that reads "Paul Boersma". The signature is written in a cursive style and is placed on a light-colored rectangular background.

Paul Boersma
Program Manager

Enclosures

cc: Duane DeKrey, GDCD
Kip Kovar, GDCD
Cory Chorne, AE2S
Kurt Ronnekamp, BV
Aswathy Sivaram, BV
Victoria Encapera, BV

Attachment A – GBR Tables and Figures

Table 6-1. Baseline Soil Properties Within Tunnel Horizon. (Extracted from Contract Geotechnical Baseline Report)

PARAMETER	SANDS (SP, SP-SM, SW-SM, SM)	GRAVELS (GP, GW, GW-GM, GM)	LEAN CLAY (CL)
Water Content (%)	18.5 (10 to 25)	NT	31 ^A
Liquid Limit (%)	NT	NT	42 ^A
Plastic Limit (%)	NT	NT	20 ^A
Plasticity Index (%)	NT	NT	22 ^A
Blow Count (N-Value)*	16.5 (2 to 37)	16 (8 to 25)	6.5 (5 to 8)
Friction Angle (°)	33.4 (33.4 – 34.9)	NT	NT
Estimated Soil-Type percentage by volume within Tunnel Horizon***	61.8%	35.4%	2.8%
<p>*Uncorrected, field reported blow counts based on available subsurface information contained within the GDR, see sections below for further breakdown ^AOne Sample Measured NT – Not Tested ***Percentages of volume over the total tunnel length. Although not shown within tunnel horizon in Error! Reference source not found., clay is baselined due to erratic nature of soil deposits at the site, see Section Error! Reference source not found.</p>			

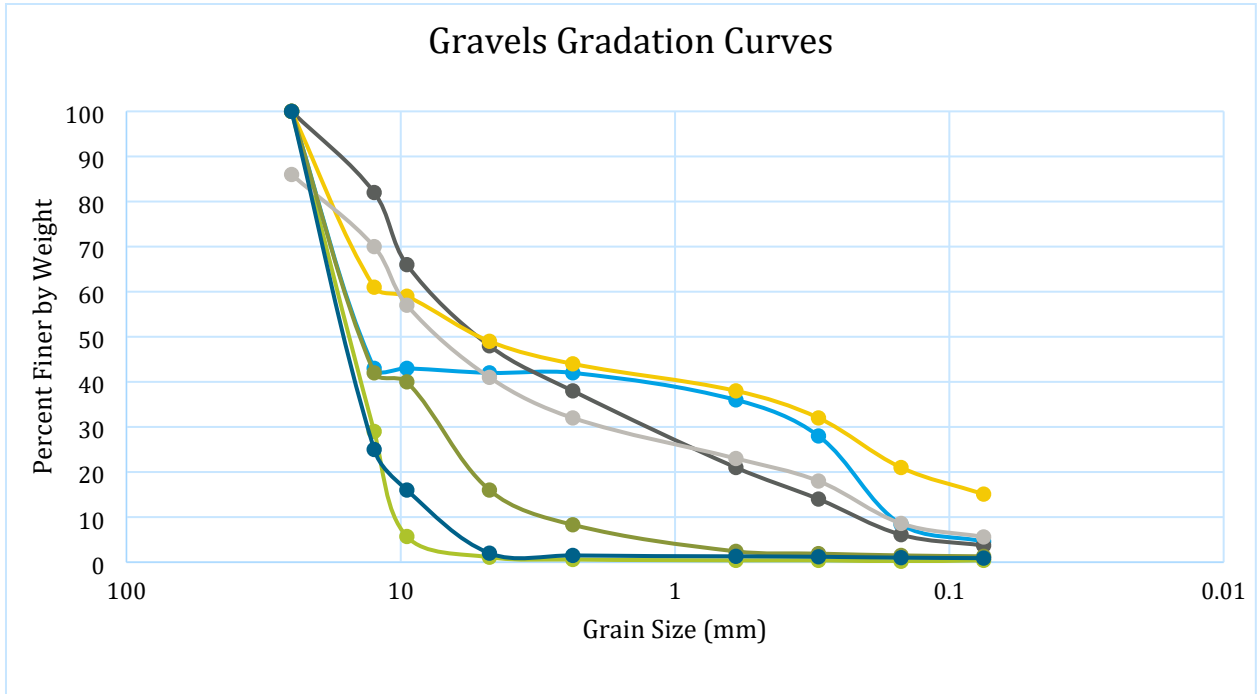


Figure 6-4. Gravels Gradation Curves, MRI-2, MRI-4, MRI-5, MRI-6, MRI-8, 7 Samples. (Extracted from Contract Geotechnical Baseline Report)

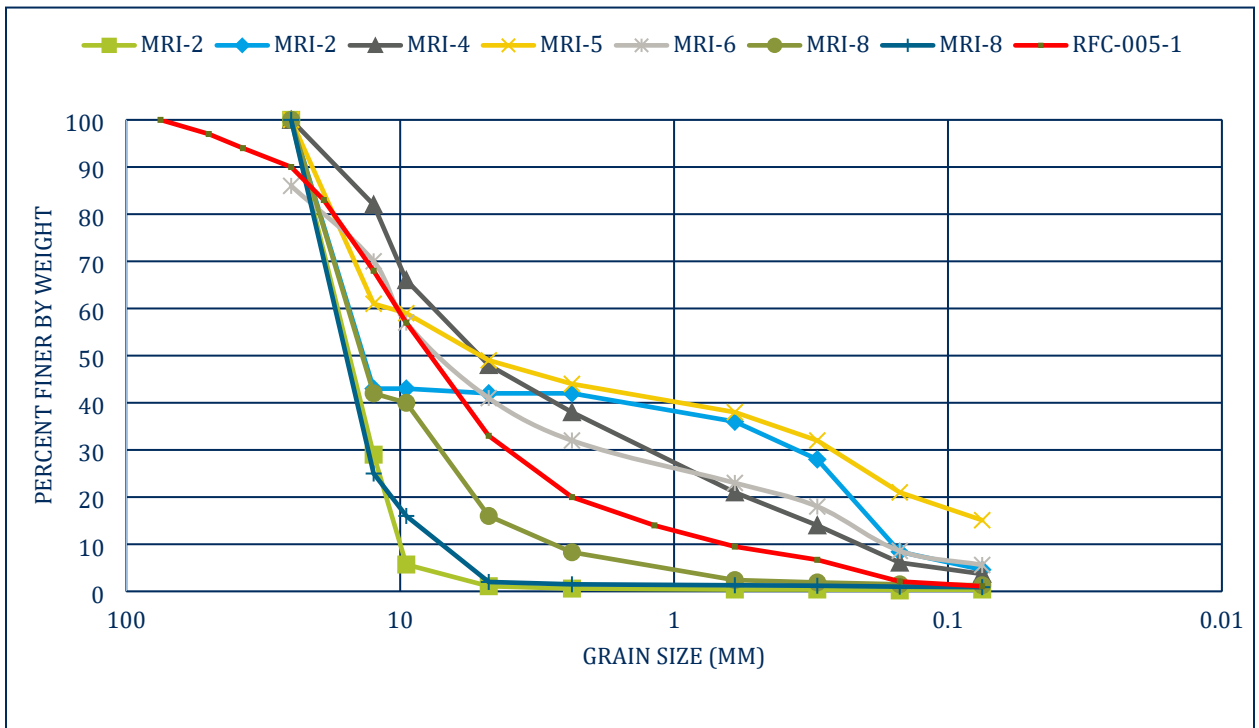


Figure 1 Gravels Gradation Curves (GBR Figure 6.4) including RFC 005 Sample

Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
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Enclosed	Under Separate Cover	_____	

COPIES	DATE	NO.	DESCRIPTION


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As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____

RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



April 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Michels is requesting a change order on TO2530 – Missouri River Intake Screen Structure & Tunnel for impacts to tunneling due to a variance in the soil within the tunnel alignment at the Cofferdam.

Michels informed client representatives via LTR-013 on February 28, 2022 of a potential impacted regarding soil consistency. LTR-013 has been included in the change for reference. This letter was provided after visual observations by Michels personnel and site inspection suggested that the soil being excavated was not consistent with the soil classifications provided in the contract Geotechnical reports. Michels site personnel gathered soil samples excavated from elevations 1610.0-1600.0 on March 5, 2022. The lab samples were sent to third party testing laboratory Terracon on Monday March 7, 2022.

Michels received the lab results from Terracon on March 15, 2022. This lab report, which has been included in the request, confirmed the visual assumption made prior. The soils within the tunnel alignment are not consistent with the soil classifications provided by client for bid assumptions and contract documentation, and therefore necessitate a change in condition. The potential impacts expected by Michels as a result of this soil analysis include, but are not limited to:

- Reduced productivity of tunneling

- Additional scope/modification of portal entry

- Additional material

- Additional scope for re-calibration and modification of slurry system

Michels will monitor the tunneling operation and provide a final cost and schedule impact for this change once the tunneling has been completed. If you have any questions or comments please let me know.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations

SIEVE ANALYSIS & DRY DENSITY REPORT 165



Report Number: M2211251.0003
Service Date: 03/09/22
Report Date: 03/15/22
Task:

1805 Hancock Dr PO Box 2084
Bismarck, ND 58501
701-258-2833

Client

Michels Corporation
Attn: Accounts Payable
Trenchless Crossings Operations
817 West Main St
Brownsville, WI 53006

Project

Missouri Intake Project
Project #21013912
Washburn, ND

Project No. M2211251

ASTM C117	Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates
Sample Number:	1
Sample Location:	Coffer Dam 1605
Source:	Native
Date Submitted:	3/7/22

Sieve Analysis		Bulk Density Determination* (oven-dry basis)	
Sieve Size	Percent Passing		
5 in.	100	Dry Density (pcf) <u>134.5</u> As-received Moisture (%) <u>10.8</u> <i>* The dry density value was determined by filling a vessel of known volume with the slurry material. Minimal consolidation was done aside from pouring the slurry into the vessel. The vessel and contents were placed in a 230 °F oven and dried to a constant weight and weighed.</i>	
4 in.	100		
3 in.	100		
2 in.	97		
1 1/2 in.	94		
1 in.	90		
3/4 in.	83		
5/8 in.	78		
1/2 in.	68		
3/8 in.	57		
#4	33		
#8	20		
#16	14		
#30	9.5		
#50	6.7		
#100	2.1		
#200	1.1		

Notes:

Services: Testing of Slurry Material for Flow Meter Calibration
Terracon Rep: Ty Kelsch
Reported To: Ryan Ward
Contractor: Michels Corporation

Report Distribution

(1) Michels Corporation, Clayton (1) Michels Corporation, Ryan Ward

Reviewed By:

Patrick Coyne
Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MISSOURI RIVER INTAKE - TASK ORDER 2320
 NEAR WASHBURN, NORTH DAKOTA
 MTS NO. G20-067



Boring No.	Depth (ft)	Sample Type	USCS Soil Classification	Grain Size Distribution									In-situ Moisture-Density		Qu	Atterberg Limits		
				1"	1/2"	3/8"	#4	#8	#30	#50	#100	#200	MC	DD	(psf)	LL	PL	PI
MRI-6	32-33.5	SS	SAND WITH SILT SP-SM	100	91	88	73	59	35	27	17	10.5						
MRI-6	34.5-36	SS	SANDY GRAVEL GP	86	70	57	41	32	23	18	8.6	5.6						
MRI-6	37-38.5	SS	SAND SP	100	83.2	79	64	59	55	41	8.7	5.0						
MRI-6	48-49.5	SS	SAND WITH GRAVEL SP-SM	100	94	87	61	37	20	14	7.9	5.3						
MRI-6	93-94.5	SS	SILTY SAND SM					100	99	93	39	18.2						
MRI-7	4.5-6	SS	SAND SP						100	92	12	3.7						
MRI-7	9.5-11	SS	SAND SP						100	87	6.8	2.5						
MRI-7	14.5	SS	SAND SP					100	97	60	4.6	2.4						
MRI-7	22-23.5	SS	SANDY LEAN CLAY CL				100	99	97	94	82	77.6						
MRI-7	37-38.5	SS	SAND SP		100	98	94	90	74	55	4.7	2.3						
MRI-7	42-43.5	SS	SAND SP					100	94	71	5.8	1.9	25					
MRI-7	52-53.5	SS	SAND SP		100	98	77	60	40	28	8.9	5.1	12					
MRI-7	72-73.5	SS	SILT ML						100	99	99	97.8						
MRI-7	77-78.5	SS	SAND WITH SILT SP-SM					100	98	61	24	9.4						
MRI-7	92-93.5	SS	FAT CLAY CH			100	99	99	98	96	95	92.3	18					
MRI-8	1-2.5	SS	SAND SP				100	99	96	77	5.4	1.4						
MRI-8	6-7.5	SS	SAND SP					100	98	78	5.2	2.0						
MRI-8	11-12.5	SS	SAND SP					100	98	80	7.0	2.9						
MRI-8	23-24.5	SS	SAND SP	100	94	94	90	88	69	47	9.6	4.9						
MRI-8	28-29.5	SS	WELL GRADED GRAVEL GW	100	42	40	16	8.3	2.4	1.9	1.5	1.3						
MRI-8	38-39.5	SS	POORLY GRADED GRAVEL GP	100	25	16	2	1.5	1.3	1.2	1	0.9						
MRI-8	48-49.5	SS	POORLY GRADED GRAVEL GP	100	46	32	7.9	3.7	2.9	1.9	1.1	0.4						
MRI-8	58-59.5	SS	WELL GRADED GRAVEL GW	100	54	49	34	23	8.3	5.4	3.7	2.7						
MRI-8	93-94.5	SS	FAT CLAY CH						100	99	99	97.4						
MRI-8	98-99.5	SS	FAT CLAY CH						100	99	98	95.1						

Material Testing Services, LLC



February 28, 2022

Kurt Ronnekamp
 Black & Veatch
 8400 Ward Parkway
 Kansas City, MO 64114

RE: Cofferdam Soil Conditions

Mr. Ronnekamp:

This letter is intended to serve as a notification for potential change regarding the excavated soil at the Cofferdam.

During the second phase of cofferdam excavation (approximate elevation 1620.00 to 1610.00), Michels personnel observed and reviewed the excavated soil and found that the majority of the material removed did not coincide with the soil conditions detailed in the Geotechnical Data Report that was supplied. The visual inspection of this excavated material revealed an approximate 60 percent to 80 percent gravel content. The Geotechnical Data ranged from 0 percent to 26.7 percent gravel. This table summarizes bore log information provided within said report:

MRI-6	Description	Gravel %	Sand %	Silt/Clay %
24.5'	sand	0	96.9	3.1
27'	sand with silt	6.1	86	7.9
29.5'	sand with silt	12.9	78.2	8.9
32'	sand	26.7	62.9	10.5
MRI-7	Description	Gravel %	Sand %	Silt/Clay %
14.5'	sand	0	97.6	2.4
22'	sandy lean clay	0.2	22.2	77.6
37'	sand	5.6	92.1	2.3

Michels intends to collect soil samples from the next phase of excavations, roughly 1610.00 to 1600.00 (elevation of the tunnel alignment) and will have those samples analyzed by a laboratory to determine sand and gravel content. If the analysis verifies our visual inspection for soils in the tunnel path, there may be additional

impact related to this. Pictures have also been included for reference. If you have any questions or concerns please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Newman', written in a cursive style.

Clayton Newman

Project Manager, Michels Trenchless

170



170



Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

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Enclosed	Under Separate Cover	_____	


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For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____ RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



April 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Michels is requesting a change order on TO2530 – Missouri River Intake Screen Structure & Tunnel for impacts to tunneling due to a variance in the soil within the tunnel alignment at the Cofferdam.

Michels informed client representatives via LTR-013 on February 28, 2022 of a potential impacted regarding soil consistency. LTR-013 has been included in the change for reference. This letter was provided after visual observations by Michels personnel and site inspection suggested that the soil being excavated was not consistent with the soil classifications provided in the contract Geotechnical reports. Michels site personnel gathered soil samples excavated from elevations 1610.0-1600.0 on March 5, 2022. The lab samples were sent to third party testing laboratory Terracon on Monday March 7, 2022.

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Reduced productivity of tunneling

Additional scope/modification of portal entry

Additional material

Additional scope for re-calibration and modification of slurry system

Michels will monitor the tunneling operation and provide a final cost and schedule impact for this change once the tunneling has been completed. If you have any questions or comments please let me know.

Thank you for your attention to this matter.

Sincerely,

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Clayton Newman

Project Manager, Michels Trenchless Operations

SIEVE ANALYSIS & DRY DENSITY REPORT 173



Report Number: M2211251.0003
 Service Date: 03/09/22
 Report Date: 03/15/22
 Task:

1805 Hancock Dr PO Box 2084
 Bismarck, ND 58501
 701-258-2833

Client

Michels Corporation
 Attn: Accounts Payable
 Trenchless Crossings Operations
 817 West Main St
 Brownsville, WI 53006

Project

Missouri Intake Project
 Project #21013912
 Washburn, ND
 Project No. M2211251

ASTM C117	Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates
Sample Number:	1
Sample Location:	Coffer Dam 1605
Source:	Native
Date Submitted:	3/7/22


Sieve Analysis		Bulk Density Determination* (oven-dry basis)	
Sieve Size	Percent Passing		
5 in.	100	<p>Dry Density (pcf) <u>134.5</u></p> <p>As-received Moisture (%) <u>10.8</u></p> <p><i>* The dry density value was determined by filling a vessel of known volume with the slurry material. Minimal consolidation was done aside from pouring the slurry into the vessel. The vessel and contents were placed in a 230 °F oven and dried to a constant weight and weighed.</i></p>	
4 in.	100		
3 in.	100		
2 in.	97		
1 1/2 in.	94		
1 in.	90		
3/4 in.	83		
5/8 in.	78		
1/2 in.	68		
3/8 in.	57		
#4	33		
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#50	6.7		
#100	2.1		
#200	1.1		

Notes:

Services: Testing of Slurry Material for Flow Meter Calibration
Terracon Rep: Ty Kelsch
Reported To: Ryan Ward
Contractor: Michels Corporation

Report Distribution

(1) Michels Corporation, Clayton (1) Michels Corporation, Ryan Ward

Reviewed By: 
 Patrick Coyne
 Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MISSOURI RIVER INTAKE - TASK ORDER 2320
 NEAR WASHBURN, NORTH DAKOTA
 MTS NO. G20-067



Boring No.	Depth (ft)	Sample Type	USCS Soil Classification	Grain Size Distribution									In-situ Moisture-Density		Qu	Atterberg Limits		
				1"	1/2"	3/8"	#4	#8	#30	#50	#100	#200	MC	DD	(psf)	LL	PL	PI
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MRI-8	98-99.5	SS	FAT CLAY CH						100	99	98	95.1						

Material Testing Services, LLC



February 28, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: Cofferdam Soil Conditions

Mr. Ronnekamp:

This letter is intended to serve as a notification for potential change regarding the excavated soil at the Cofferdam.

During the second phase of cofferdam excavation (approximate elevation 1620.00 to 1610.00), Michels personnel observed and reviewed the excavated soil and found that the majority of the material removed did not coincide with the soil conditions detailed in the Geotechnical Data Report that was supplied. The visual inspection of this excavated material revealed an approximate 60 percent to 80 percent gravel content. The Geotechnical Data ranged from 0 percent to 26.7 percent gravel. This table summarizes bore log information provided within said report:

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impact related to this. Pictures have also been included for reference. If you have any questions or concerns please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman". The signature is fluid and cursive, with a large initial "C" and a long, sweeping underline.

Clayton Newman

Project Manager, Michels Trenchless

178



178





August 24, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – REVISED

Mr. Ronnekamp:

In accordance with Michels' response later transmitted June 13, 2022 and email correspondence on August 24, 2022, Michels has compiled the additional impacts for RFC 005 originally submitted April 7, 2022. Due to the increased gravel content as well as the significant coal content producing liquid by-product, tunneling operations required additional bentonite and had to replace several more separation screens than were estimated per the geotechnical data at the time of bid. A summary of these impacts has been included in the submission of this revised RFC as well as pertinent correspondence.

The total cost of this change order is \$13,001.00. If you have any questions or comments please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations



21013912 - TO 2530 RRVWSP Missouri River Intake Screen Structure & Tunnel

COST ESTIMATE - RFC 005

Item #	Description	Est Qty	Est Cost	Additional Qty	Price Per Unit	Additional Cost
1	Bore Gel - 120/480 Used from additional material purchase.	768.00	\$ 11,006.27	120.00	\$ 16.34	\$ 1,961.30
2	Separation Screens - A170 - 9 additional screens required due to additional gravel and coal oil.	6.00	\$ 2,737.80	9.00	\$ 548.96	\$ 4,940.64
3	Separation Screens - A200 - 6/15 additional screens required due to additional gravel and coal oil.	3.00	\$ 1,495.80	6.00	\$ 568.05	\$ 3,408.30
4	Labor - Mhrs for additional bentonite					\$ 646.19
5	Labor - Mhrs for installation of additional screens					\$ 292.72
						\$ -
Sub-Total						\$ 11,249.15
Mark-Up						\$ 1,687.37

P&PB Adjustment	\$ 64.96
Total Lump Sum This Request	\$ 13,001.48

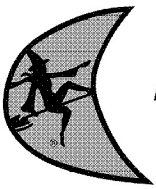
Notes:

Michels Representative Signature

(Signature of Project Manager)

8/24/2022

(Date)



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of North Dakota

182

Ditch Witch® of North Dakota

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1100 West Main West Fargo, ND 58078 (701) 282-3600 • Fax: (701) 282-3636

www.ditchwitchnd.com

Ship To: MICHELS CORPORATION
ATTN: RYAN 414-213-8314
OUTSIDE OF TOWN
WASHBURN, ND 58576

Invoice To: MICHELS CORPORTION
817 MAIN STREET
PO BOX 128
BROWNSVILLE WI 53006

Branch		MANDAN		CNNYYY
Date	Time	Page		
07/27/22	10:59:07 (O)	01		
Account No.	Phone No.	Invoice No.		
MICHE002	9205833132	P11334		
Ship Via	Purchase Order			
	B406117JS			
			Salesperson	
			KJ1	

PARTS INVOICE

ORDER#: 010768

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	480	480		RETAIL		13.44	
					480		*	11.92	5721.60
FRT	FREIGHT		1	1	1		*	1750.00	1750.00
								SUB TOTAL==>	7471.60
								NORTH DAKOTA 5%	373.58
								IN HOUSE CHARGE	7845.18

SUBMITTED FOR JOB APPROVAL%CR LF%If Revising Distribution**%CRL**

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X

Received By
[Signature]
MICHELS CORPORATION

182

Cathy Lauters

From: Ryan Ward
Sent: Wednesday, August 3, 2022 7:38 AM
To: Clayton Newman; Cathy Lauters
Subject: RE: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Received, no packing slip. Thank you.

Ryan Ward, EIT
 Field Engineer
 Trenchless Crossings Operations

office: 920.924.4300 | cell: 414.213.8314
 rward@michels.us
 PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us

received
 8.3.22 cy

MICHEL'S®  People. Projects. Values.  **LEARN MORE**

THE INFORMATION CONTAINED IN THIS COMMUNICATION MAY BE CONFIDENTIAL, AND/OR LEGALLY PRIVILEGED, AND IS INTENDED ONLY FOR THE USE OF THE RECIPIENT(S) NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION OR ANY OF ITS CONTENTS IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY THE SENDER AND DELETE THE COMMUNICATION IN ITS ENTIRETY.

From: Clayton Newman <cnewman@michels.us>
Sent: Wednesday, August 3, 2022 7:32 AM
To: Ryan Ward <rward@michels.us>
Subject: Fwd: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Thank You,

Begin forwarded message:

From: Cathy Lauters <CLauters@michels.us>
Date: August 3, 2022 at 07:31:53 CDT
To: Clayton Newman <cnewman@michels.us>
Subject: B406117JS-DITCH WITCH OF NORTH DAKOTA-INV#P11334

Clayton,
 Did you receive this material and if you have the packing slip please forward it to me, thank you?

Cathy Lauters
 Procurement Specialist

office: 920.924.4300 x2309 | fax: 920.583.3240
 CLauters@michels.us



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Ditch Witch® of North Dakota

2921 Twin City Drive
Mandan, ND 58554-3800
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1100 West Main
West Fargo, ND 58078
(701) 282-3600 • Fax: (701) 282-3636
www.ditchwitchnd.com

Ship To:
MICHELS CORPORATION
ATTN: RYAN 414-213-8314
OUTSIDE OF TOWN
WASHBURN, ND 58576

Invoice To:
MICHELS CORPORTION
817 MAIN STREET
PO BOX 128
BROWNSVILLE WI 53006

Branch		MANDAN		CNNYYY	
Date	06/22/22	Time	08:20:29 (O)	Page 01	
Account No.	MICHE002	Phone No.	9205833132	Invoice No. P11194	
Ship Via	DWND DELIVERED		Purchase Order B407165JS		
					Salesperson KJ1

PARTS INVOICE

ORDER#: 010641

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	768	768		RETAIL		12.73	
					768		*	11.37	8732.16
FRT	FREIGHT		1	1	1		*	1750.00	1750.00

SUB TOTAL==> 10482.16
NORTH DAKOTA 5% 524.11
IN-HOUSE CHARGE 11006.27

SUBMITTED FOR JOB APPROVAL% CRLF% **If Revising Distribution** CRI

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X

Received by
[Signature]
MICHELS CORPORATION



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of North Dakota

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1100 West Main
West Fargo, ND 58078
(701) 282-3600 • Fax: (701) 282-3636

Ship To: MICHELS CORPORATION
ATTN: RYAN 414-213-8314
OUTSIDE OF TOWN
WASHBURN, ND 58576

received
12022cy

Invoice To: MICHELS CORPORTION
817 MAIN STREET
PO BOX 128
BROWNSVILLE WI 53006

Branch		MANDAN		CANNYYV	
Date	06/22/22	Time	08:20:29 (O)	Page	01
Account No.	MICHE002	Phone No.	9205833132	Invoice No.	P11194
Ship Via		Purchase Order			
DWND DELIVERED		B407165JS			
					Salesperson
					KJ1

PARTS INVOICE

ORDER#: 010641

Part#	Description	Bin	ORD	ISS	SHP	B/O	UTTTT	Price	Amount
259-807	BORE GEL	BAROID	768	768		RETAIL		12.73	
					768		*	11.37	8732.16
FRT	FREIGHT		1	1	1		*	1750.00	1750.00
								SUB TOTAL==>	10482.16
								NORTH DAKOTA 5%	524.11
								IN HOUSE CHARGE	11006.27

- Good condition

total 16 pallets

received 6/22/22

1030AM

TERMS AND CONDITIONS

This invoice is subject to all the terms, provisions, conditions and limitations of the parts or sales agreement concerning the goods, services or equipment sold or leased as described therein. Examine this invoice carefully as it will be deemed correct unless errors are reported within 10 days of the date hereof. The purchaser or lessee shall pay a service charge of 1.5% (18.00 Annual Rate) on all amounts not paid within 30 days following the date of such sale or lease and all costs of collection or enforcement including reasonable attorney's fees. RETURNED ITEMS ARE SUBJECT TO A SERVICE AND RESTOCKING CHARGE.

X *Ryan*
MICHELS CORPORATION



Derrick Corporation
 590 Duke Road
 Buffalo, New York 14225
 U.S.A.

Office: (716) 683-9010
 Fax: (716) 683-4991
 Email: info@derrick.com

186

Invoice Number: 561588
Date: 07/31/2022
Due Date: 08/30/2022
Page: 1 of 2
Salesperson: DC/NON
Invoice Type: Regular Invoice
Bill Preference: E

Destination USA

543400

58

B Michels Corporation
I PO Box 128
L Brownsville WI 53006
L USA
T
O

S Michels Corp
H 1195 US-83
I Washburn ND 58577
P USA
T
O

Order	Purchase Order	Package	Prepaid	Weight	Ship Via	Terms
H006021831	21013912		0.00		PP&A-2	Net 30 Days

Line/Rel	Qty Ordered	Qty Shipped	Back Order	Unit Price	Extended Price
1	9.000	9.000	0.000	484.20000	4,357.80

Item: PMD48-30DX-A170
CI:
Description: PANEL,PYR-DX API 170 48-30
U/M: EA
Date Shipped: 07/25/2022

2	15.000	15.000	0.000	529.20000	7,938.00
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Item: PMD48-30DX-A200
CI:
Description: PANEL,PYR-DX API 200 48-30
U/M: EA
Date Shipped: 07/25/2022

Tax Basis Summary

Tax Code: 34

Sales Tax

Tax Rate

5.0000

Tax Basis

12,820.42

186



Derrick Corporation
 590 Duke Road
 Buffalo, New York 14225 U.S.A.

187

Invoice Number: 561588
Date: 07/31/2022
Due Date: 08/30/2022
Page: 2 of 2

Office: (716) 683-9010
 Fax: (716) 683-4991
 Email: info@derrick.com

Order	Purchase Order	Package	Prepaid	Weight	Ship Via	Terms
H006021831	21013912		0.00		PP&A-2	Net 30 Days
Line/Rel	Qty Ordered	Qty Shipped	Back Order		Unit Price	Extended Price

Sales Amount(USD)	12,295.80
Misc Charges	0.00
Freight	524.62
Sales Tax	641.02
Prepaid Amount	0.00
Total(USD)	13,461.44

To ensure proper credit, please reference invoice numbers and amounts on your payment. For electronic payments, please send payment detail to AR@derrick.com -

ACH payments (ACH-CTX Preferred):

Derrick Corporation
 HSBC Bank USA
 Account No.: 750081210
 Routing No.: 022000020
 Or use <https://www.e-billexpress.com/ebpp/DerrickACH>

Wire transfers:

Derrick Corporation
 HSBC Bank USA
 Account No.: 750081210
 Routing No.: 021001088
 SWIFT No.: MRMDUS33

Make checks payable to:

Derrick Corporation
 590 Duke Rd.
 Buffalo, NY 14225

187



590 DUKE ROAD
 BUFFALO, NY 14226
 716.683.9010
 716.683.4991 Fax
 FedID: 16-0847196

Order Acknowledgement ¹⁸⁸

09/15/2021

Salesperson: DC/NON
Taken By: BCRIGGLE
Warehouse: DUKE
Destination: USA

Sold To: 543400

Ship To: 54

Michels Corporation
 PO Box 128
 Brownsville WI 53006
 USA

Michels Trenchless
 Building 11
 W964 HWY49
 Lomira WI 53048
 USA

Order	Cust PO	Ship Via	Package	Prepaid	Date Order	Terms	Verification Date	
C000094053	BTUNN723666	PP&A-2			9/15/2021	Net 30 Days	9/15/2021	
Line/Release	Due Date	Qty	UM	Item	Price	Disc	Unit Price	Net Amount
1 0	10/06/2021	6.00	EA	TH48-30X0.43MT-S PANEL,URE-0.43MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	6,264.00
Notice - This item is not eligible for return. Line Note: Job# 21013912 Mark Ballard								
2 0	10/06/2021	12.00	EA	TH48-30X0.39MT-S PANEL,URE-0.39MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	12,528.00
3 0	10/06/2021	12.00	EA	TH48-30X0.35MT-S PANEL,URE-0.35MM TPR W/TRANSITION LIP	1,160.00	10.00	1,044.00000	12,528.00
Notice - This item is not eligible for return.								
4 0	10/06/2021	3.00	EA	PMD48-30DX-A120 PANEL,PYR-DX API 120 48-30	399.00	10.00	359.10000	1,077.30
Notice - This item is not eligible for return.								
5 0	10/06/2021	6.00	EA	PMD48-30DX-A140 PANEL,PYR-DX API 140 48-30	407.00	10.00	366.30000	2,197.80
6 0	10/06/2021	6.00	EA	PMD48-30DX-A170 PANEL,PYR-DX API 170 48-30	507.00	10.00	456.30000	2,737.80
7 0	10/06/2021	3.00	EA	PMD48-30DX-A200 PANEL,PYR-DX API 200 48-30	554.00	10.00	498.60000	1,495.80



590 DUKE ROAD
 BUFFALO, NY 14226
 716.683.9010
 716.683.4991 Fax
 FedID: 16-0847196

Order Acknowledgement ¹⁸⁹

09/15/2021

Salesperson: DC/NON
Taken By: BCRIGGLE
Warehouse: DUKE
Destination: USA

Sold To: 543400

Michels Corporation
 PO Box 128
 Brownsville WI 53006
 USA

Ship To: 54

Michels Trenchless
 Building 11
 W964 HWY49
 Lomira WI 53048
 USA

Order	Cust PO	Ship Via	Package	Prepaid	Date Order	Terms	Verification Date
C000094053	BTUNN723666	PP&A-2			9/15/2021	Net 30 Days	9/15/2021

Line/Release	Due Date	Qty	UM	Item	Price	Disc	Unit Price	Net Amount
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Sales Amount:	38,828.70
Order Disc (0.00%):	0.00
Sales Tax:	0.00
Freight:	0.00
Misc:	0.00
Prepaid:	0.00
Total USD:	38,828.70

All Prices in US Dollars

The accompanying "Terms and Conditions of Sale" are an integral part of this Order Acknowledgement. Any deviation from these terms and conditions of sale may affect price and/or delivery schedule.



June 13, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Please consider this response to letter from Black & Veatch dated May 12 addressing the submittal of RFC 005.

Black & Veatch summarized the soil classifications per GBR Section 6.3 Table 6-1 that discusses the general definitions related to soil and gravel for the purpose of general soil classification. The entirety of the assessment included by the engineer denies Michels request based on the general classifications for sand vs gravel in the Geotechnical Baseline Report over the entirety of the tunnel and does not review or assess the significant change in material profile provided by MRI-6 within the Geotechnical Data Report.

The assessment by Michels and subsequent Request for Change (RFC 005) are based on the data provided on MRI-6 within The Geotechnical Data Report. Michels' request did not characterize or generalize the entirety of the tunnel alignment, but the intent was to note specifically that within the area of the exit portal at the Cofferdam, MRI-6 boring provided a material test that at the alignment consistent with the tunnel elevation, detailed a sieve analysis significantly different than the MTS report included by Michels during that excavation. Within the letter, Black & Veatch references samples taken internally of excavated material within the cofferdam but provides no reports or verification of elevations at which the samples were taken.

The difference in material per the MTS reports is clearly stated; and based on the scour reports provided throughout the project, the anticipated depth of cover is much lower at the exit portal than throughout the rest of the tunnel alignment, which increases the concern and possibility of impacts in the tunnel alignment near the exit portal if the soil is inconsistent with the MTS reports provided in the GDR. The assessment of soil composition is based on the boring in the immediate zone described. The lack of small particle properties in the tested soil vs. the information provided per MRI-6 boring does qualify as a change in soil condition.

The above clarification and information will be utilized to assess possible impacts to tunnel in the zone discussed. If any impact does occur as the result of the conditions above, Michels will itemize and submit impacts within a follow up to this correspondence.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations



BLACK & VEATCH CORPORATION

8400 WARD PARKWAY
KANSAS CITY, MO 64114 USA
+1 913-458-2000 | RONNEKAMPKA@BV.COM

Thursday, May 12, 2022

Michels Corporation
P.O. Box 128
817 Mai Street
Brownsville, WI 53006

RRVWSP TO 2530 MRI CT2

BV Project 405425
BV File 60.2350

Attention: Clayton Newman

Subject: RFC 005 – Dated April 7, 2022, titled Tunneling Impact Due to Soil Variance

Mr. Newman:

The engineering team reviewed the subject request for change regarding impacts to the Missouri River Intake, Contract 2 project (Task Order 2530). LTR-013, included for reference in RFC 005, asserted Michels' perspective that, upon visual inspection, soils excavated from the cofferdam between the approximate elevations of 1620.00 to 1610.00 did not correspond to soil conditions detailed in the Geotechnical Data Report. Additionally, LTR-013 provided notice that Michels would obtain and test samples between the approximate elevations of 1610.00 to 1600.00 during subsequent phases of cofferdam excavation.

As such, RFC 005 includes sieve analysis results from one disturbed sample obtained from approximate elevation 1605.00 to support the perspective that *"the soils within the tunnel alignment are not consistent with the soil classifications provided by client for bid assumptions and contract documentation, and therefore necessitate a change in condition"*. The Engineer obtained and performed sieve analysis testing on several disturbed samples during cofferdam excavation.

The Engineer disagrees with Michels' assertion. The Geotechnical Baseline Report baselines gravels within the tunnel alignment. These gravels were classified via USCS which defined gravels as coarse-grained soils where more than 50% of the coarse fraction is larger than the No. 4 sieve size. Gravels as a soil unit comprise of alluvial deposits that include poorly and well graded clean gravels, silty gravels, and gravels with silt and sand. Michels' sample provided within RFC 005 falls within the range of gravel baselines for the microtunnel published within the GBR. Figure 6-4 of the GBR presents gravel gradation curves for samples within the tunnel horizon, included within Attachment A. When comparing the gradation data from sample provided by Michels with RFC 005, the sample falls within the range outlined in the GBR. Figure 1, included within Attachment A, presents Figure 6-4 of the GBR and the RFC 005 sample gradation.

Table 6-1 of the GBR presents baseline soil properties within the tunnel horizon; specifically, percentages of soil type by volume within the tunnel horizon over the total length of the tunnel (See Attachment A). The disturbed sample obtained during cofferdam excavation within the tunnel horizon is not representative of the entire breadth of material within the tunnel length and horizon. As such, the Engineer does not agree with Michels' position that soil encountered at the cofferdam within the tunnel horizon is a variance from that which was baselined within the GBR.

Sincerely,

BLACK & VEATCH

A handwritten signature in blue ink that reads "Paul Boersma". The signature is written in a cursive style and is placed on a light yellow rectangular background.

Paul Boersma
Program Manager

Enclosures

cc: Duane DeKrey, GDCD
Kip Kovar, GDCD
Cory Chorne, AE2S
Kurt Ronnekamp, BV
Aswathy Sivaram, BV
Victoria Encapera, BV

Attachment A – GBR Tables and Figures

Table 6-1. Baseline Soil Properties Within Tunnel Horizon. (Extracted from Contract Geotechnical Baseline Report)

PARAMETER	SANDS (SP, SP-SM, SW-SM, SM)	GRAVELS (GP, GW, GW-GM, GM)	LEAN CLAY (CL)
Water Content (%)	18.5 (10 to 25)	NT	31 ^A
Liquid Limit (%)	NT	NT	42 ^A
Plastic Limit (%)	NT	NT	20 ^A
Plasticity Index (%)	NT	NT	22 ^A
Blow Count (N-Value)*	16.5 (2 to 37)	16 (8 to 25)	6.5 (5 to 8)
Friction Angle (°)	33.4 (33.4 – 34.9)	NT	NT
Estimated Soil-Type percentage by volume within Tunnel Horizon***	61.8%	35.4%	2.8%
<p>*Uncorrected, field reported blow counts based on available subsurface information contained within the GDR, see sections below for further breakdown ^AOne Sample Measured NT – Not Tested ***Percentages of volume over the total tunnel length. Although not shown within tunnel horizon in Error! Reference source not found., clay is baselined due to erratic nature of soil deposits at the site, see Section Error! Reference source not found.</p>			

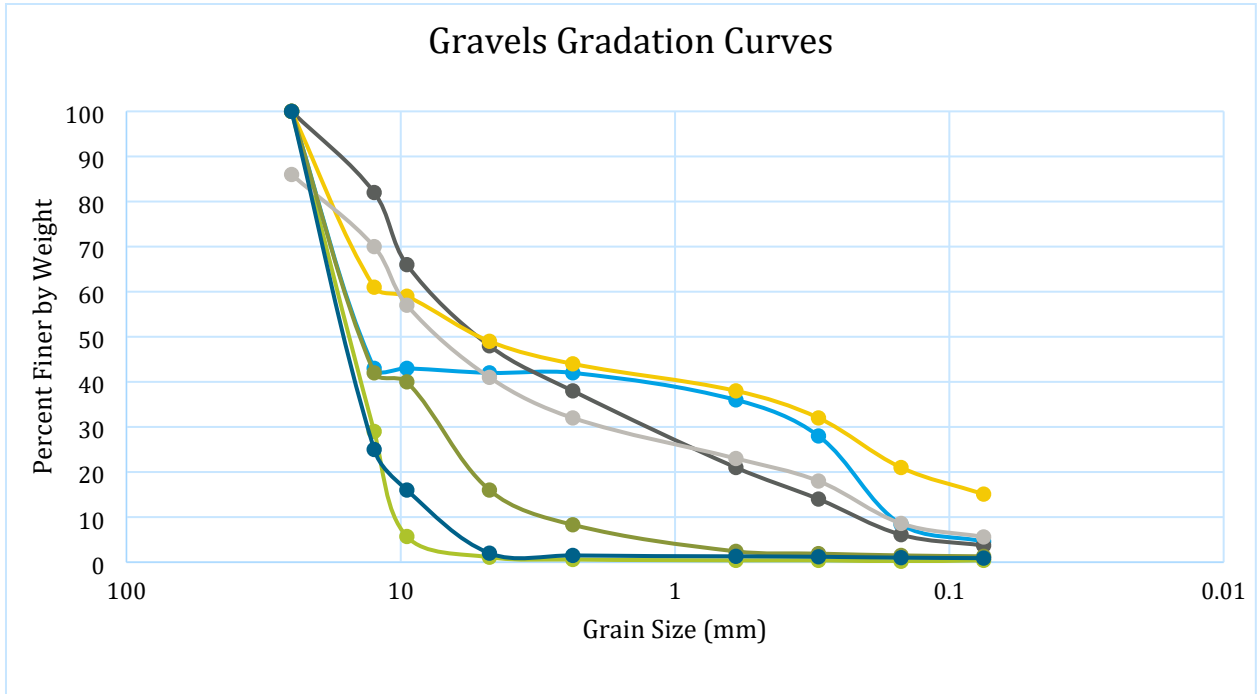


Figure 6-4. Gravels Gradation Curves, MRI-2, MRI-4, MRI-5, MRI-6, MRI-8, 7 Samples. (Extracted from Contract Geotechnical Baseline Report)

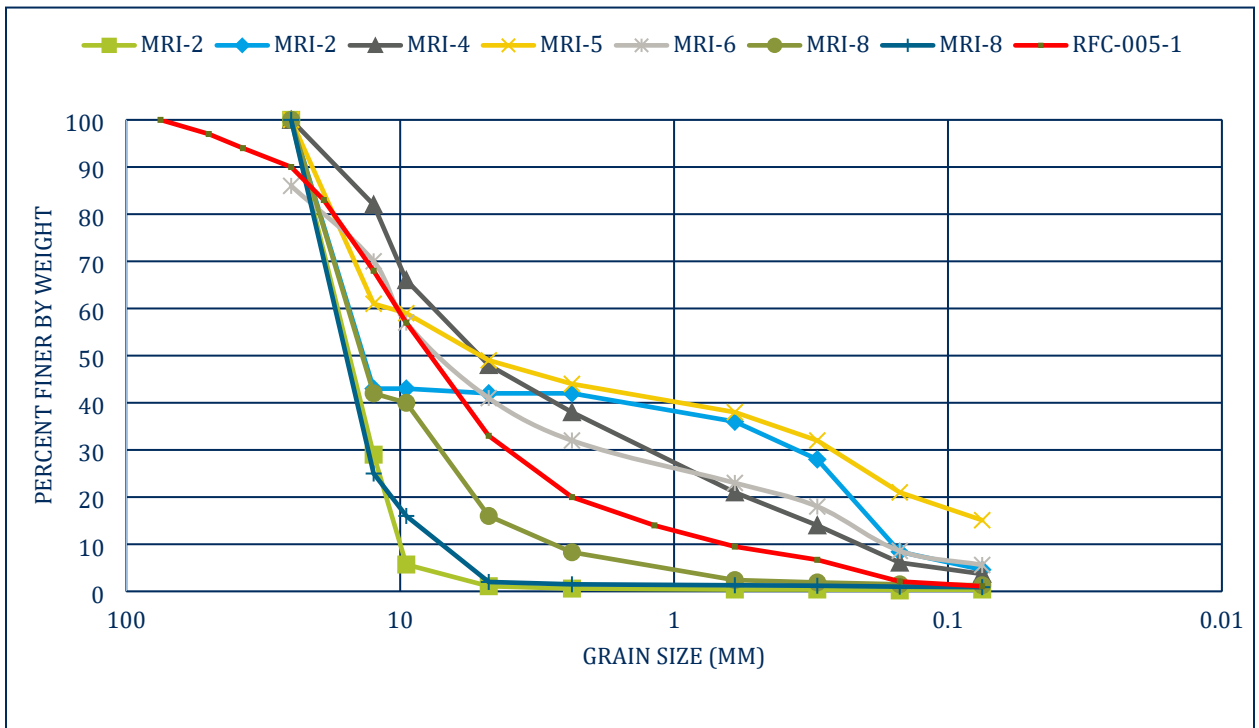


Figure 1 Gravels Gradation Curves (GBR Figure 6.4) including RFC 005 Sample

Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	

COPIES	DATE	NO.	DESCRIPTION


THESE ARE TRANSMITTED as checked below:

For Approval	Approved as Submitted	Resubmit _____ Copies for Approval
For Your Use	Approved as Noted	Submit _____ Copies for Distribution
As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____

RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



April 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Michels is requesting a change order on TO2530 – Missouri River Intake Screen Structure & Tunnel for impacts to tunneling due to a variance in the soil within the tunnel alignment at the Cofferdam.

Michels informed client representatives via LTR-013 on February 28, 2022 of a potential impacted regarding soil consistency. LTR-013 has been included in the change for reference. This letter was provided after visual observations by Michels personnel and site inspection suggested that the soil being excavated was not consistent with the soil classifications provided in the contract Geotechnical reports. Michels site personnel gathered soil samples excavated from elevations 1610.0-1600.0 on March 5, 2022. The lab samples were sent to third party testing laboratory Terracon on Monday March 7, 2022.

Michels received the lab results from Terracon on March 15, 2022. This lab report, which has been included in the request, confirmed the visual assumption made prior. The soils within the tunnel alignment are not consistent with the soil classifications provided by client for bid assumptions and contract documentation, and therefore necessitate a change in condition. The potential impacts expected by Michels as a result of this soil analysis include, but are not limited to:

Reduced productivity of tunneling

Additional scope/modification of portal entry

Additional material

Additional scope for re-calibration and modification of slurry system

Michels will monitor the tunneling operation and provide a final cost and schedule impact for this change once the tunneling has been completed. If you have any questions or comments please let me know.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations

SIEVE ANALYSIS & DRY DENSITY REPORT 197



Report Number: M2211251.0003
Service Date: 03/09/22
Report Date: 03/15/22
Task:

1805 Hancock Dr PO Box 2084
Bismarck, ND 58501
701-258-2833

Client

Michels Corporation
Attn: Accounts Payable
Trenchless Crossings Operations
817 West Main St
Brownsville, WI 53006

Project

Missouri Intake Project
Project #21013912
Washburn, ND

Project No. M2211251

ASTM C117	Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing		
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates		
Sample Number:	1		
Sample Location:	Coffer Dam 1605		
Source:	Native		
Date Submitted:	3/7/22		
Sieve Analysis		Bulk Density Determination* (oven-dry basis)	
Sieve Size	Percent Passing	Dry Density (pcf)	134.5
5 in.	100	As-received Moisture (%)	10.8
4 in.	100	<i>* The dry density value was determined by filling a vessel of known volume with the slurry material. Minimal consolidation was done aside from pouring the slurry into the vessel. The vessel and contents were placed in a 230 °F oven and dried to a constant weight and weighed.</i>	
3 in.	100		
2 in.	97		
1 1/2 in.	94		
1 in.	90		
3/4 in.	83		
5/8 in.	78		
1/2 in.	68		
3/8 in.	57		
#4	33		
#8	20		
#16	14		
#30	9.5		
#50	6.7		
#100	2.1		
#200	1.1		

Notes:

Services: Testing of Slurry Material for Flow Meter Calibration
Terracon Rep: Ty Kelsch
Reported To: Ryan Ward
Contractor: Michels Corporation

Report Distribution

(1) Michels Corporation, Clayton (1) Michels Corporation, Ryan Ward

Reviewed By:

Patrick Coyne
Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MISSOURI RIVER INTAKE - TASK ORDER 2320
 NEAR WASHBURN, NORTH DAKOTA
 MTS NO. G20-067



Boring No.	Depth (ft)	Sample Type	USCS Soil Classification	Grain Size Distribution									In-situ Moisture-Density		Qu	Atterberg Limits		
				1"	1/2"	3/8"	#4	#8	#30	#50	#100	#200	MC	DD	(psf)	LL	PL	PI
MRI-6	32-33.5	SS	SAND WITH SILT SP-SM	100	91	88	73	59	35	27	17	10.5						
MRI-6	34.5-36	SS	SANDY GRAVEL GP	86	70	57	41	32	23	18	8.6	5.6						
MRI-6	37-38.5	SS	SAND SP	100	83.2	79	64	59	55	41	8.7	5.0						
MRI-6	48-49.5	SS	SAND WITH GRAVEL SP-SM	100	94	87	61	37	20	14	7.9	5.3						
MRI-6	93-94.5	SS	SILTY SAND SM					100	99	93	39	18.2						
MRI-7	4.5-6	SS	SAND SP						100	92	12	3.7						
MRI-7	9.5-11	SS	SAND SP						100	87	6.8	2.5						
MRI-7	14.5	SS	SAND SP					100	97	60	4.6	2.4						
MRI-7	22-23.5	SS	SANDY LEAN CLAY CL				100	99	97	94	82	77.6						
MRI-7	37-38.5	SS	SAND SP		100	98	94	90	74	55	4.7	2.3						
MRI-7	42-43.5	SS	SAND SP					100	94	71	5.8	1.9	25					
MRI-7	52-53.5	SS	SAND SP		100	98	77	60	40	28	8.9	5.1	12					
MRI-7	72-73.5	SS	SILT ML						100	99	99	97.8						
MRI-7	77-78.5	SS	SAND WITH SILT SP-SM					100	98	61	24	9.4						
MRI-7	92-93.5	SS	FAT CLAY CH			100	99	99	98	96	95	92.3	18					
MRI-8	1-2.5	SS	SAND SP				100	99	96	77	5.4	1.4						
MRI-8	6-7.5	SS	SAND SP					100	98	78	5.2	2.0						
MRI-8	11-12.5	SS	SAND SP					100	98	80	7.0	2.9						
MRI-8	23-24.5	SS	SAND SP	100	94	94	90	88	69	47	9.6	4.9						
MRI-8	28-29.5	SS	WELL GRADED GRAVEL GW	100	42	40	16	8.3	2.4	1.9	1.5	1.3						
MRI-8	38-39.5	SS	POORLY GRADED GRAVEL GP	100	25	16	2	1.5	1.3	1.2	1	0.9						
MRI-8	48-49.5	SS	POORLY GRADED GRAVEL GP	100	46	32	7.9	3.7	2.9	1.9	1.1	0.4						
MRI-8	58-59.5	SS	WELL GRADED GRAVEL GW	100	54	49	34	23	8.3	5.4	3.7	2.7						
MRI-8	93-94.5	SS	FAT CLAY CH						100	99	99	97.4						
MRI-8	98-99.5	SS	FAT CLAY CH						100	99	98	95.1						

Material Testing Services, LLC



February 28, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: Cofferdam Soil Conditions

Mr. Ronnekamp:

This letter is intended to serve as a notification for potential change regarding the excavated soil at the Cofferdam.

During the second phase of cofferdam excavation (approximate elevation 1620.00 to 1610.00), Michels personnel observed and reviewed the excavated soil and found that the majority of the material removed did not coincide with the soil conditions detailed in the Geotechnical Data Report that was supplied. The visual inspection of this excavated material revealed an approximate 60 percent to 80 percent gravel content. The Geotechnical Data ranged from 0 percent to 26.7 percent gravel. This table summarizes bore log information provided within said report:

MRI-6	Description	Gravel %	Sand %	Silt/Clay %
24.5'	sand	0	96.9	3.1
27'	sand with silt	6.1	86	7.9
29.5'	sand with silt	12.9	78.2	8.9
32'	sand	26.7	62.9	10.5
MRI-7	Description	Gravel %	Sand %	Silt/Clay %
14.5'	sand	0	97.6	2.4
22'	sandy lean clay	0.2	22.2	77.6
37'	sand	5.6	92.1	2.3

Michels intends to collect soil samples from the next phase of excavations, roughly 1610.00 to 1600.00 (elevation of the tunnel alignment) and will have those samples analyzed by a laboratory to determine sand and gravel content. If the analysis verifies our visual inspection for soils in the tunnel path, there may be additional

impact related to this. Pictures have also been included for reference. If you have any questions or concerns please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman". The signature is fluid and cursive, with a large initial "C" and a long, sweeping underline.

Clayton Newman

Project Manager, Michels Trenchless

202



202



Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	


COPIES	DATE	NO.	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

For Approval	Approved as Submitted	Resubmit _____ Copies for Approval
For Your Use	Approved as Noted	Submit _____ Copies for Distribution
As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____ RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 



April 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 005 – Tunneling Impact Due to Soil Variance

Mr. Ronnekamp:

Michels is requesting a change order on TO2530 – Missouri River Intake Screen Structure & Tunnel for impacts to tunneling due to a variance in the soil within the tunnel alignment at the Cofferdam.

Michels informed client representatives via LTR-013 on February 28, 2022 of a potential impacted regarding soil consistency. LTR-013 has been included in the change for reference. This letter was provided after visual observations by Michels personnel and site inspection suggested that the soil being excavated was not consistent with the soil classifications provided in the contract Geotechnical reports. Michels site personnel gathered soil samples excavated from elevations 1610.0-1600.0 on March 5, 2022. The lab samples were sent to third party testing laboratory Terracon on Monday March 7, 2022.

Michels received the lab results from Terracon on March 15, 2022. This lab report, which has been included in the request, confirmed the visual assumption made prior. The soils within the tunnel alignment are not consistent with the soil classifications provided by client for bid assumptions and contract documentation, and therefore necessitate a change in condition. The potential impacts expected by Michels as a result of this soil analysis include, but are not limited to:

Reduced productivity of tunneling

Additional scope/modification of portal entry

Additional material

Additional scope for re-calibration and modification of slurry system

Michels will monitor the tunneling operation and provide a final cost and schedule impact for this change once the tunneling has been completed. If you have any questions or comments please let me know.

Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations

SIEVE ANALYSIS & DRY DENSITY REPORT 205



Report Number: M2211251.0003
Service Date: 03/09/22
Report Date: 03/15/22
Task:

1805 Hancock Dr PO Box 2084
Bismarck, ND 58501
701-258-2833

Client

Michels Corporation
Attn: Accounts Payable
Trenchless Crossings Operations
817 West Main St
Brownsville, WI 53006

Project

Missouri Intake Project
Project #21013912
Washburn, ND

Project No. M2211251


ASTM C117	Materials Finer than No. 200 Sieve in Mineral Aggregates by Washing	
ASTM C136	Sieve Analysis of Fine and Coarse Aggregates	
Sample Number:	1	
Sample Location:	Coffer Dam 1605	
Source:	Native	
Date Submitted:	3/7/22	
Sieve Analysis		Bulk Density Determination* (oven-dry basis) Dry Density (pcf) <u>134.5</u> As-received Moisture (%) <u>10.8</u> <i>* The dry density value was determined by filling a vessel of known volume with the slurry material. Minimal consolidation was done aside from pouring the slurry into the vessel. The vessel and contents were placed in a 230 °F oven and dried to a constant weight and weighed.</i>
Sieve Size	Percent Passing	
5 in.	100	
4 in.	100	
3 in.	100	
2 in.	97	
1 1/2 in.	94	
1 in.	90	
3/4 in.	83	
5/8 in.	78	
1/2 in.	68	
3/8 in.	57	
#4	33	
#8	20	
#16	14	
#30	9.5	
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Notes:

Services: Testing of Slurry Material for Flow Meter Calibration
Terracon Rep: Ty Kelsch
Reported To: Ryan Ward
Contractor: Michels Corporation

Report Distribution

(1) Michels Corporation, Clayton (1) Michels Corporation, Ryan Ward

Reviewed By: 
Patrick Coyne
Department Manager I

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.

MISSOURI RIVER INTAKE - TASK ORDER 2320
 NEAR WASHBURN, NORTH DAKOTA
 MTS NO. G20-067



Boring No.	Depth (ft)	Sample Type	USCS Soil Classification	Grain Size Distribution									In-situ Moisture-Density		Qu	Atterberg Limits		
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MRI-8	98-99.5	SS	FAT CLAY CH						100	99	98	95.1						

Material Testing Services, LLC



February 28, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: Cofferdam Soil Conditions

Mr. Ronnekamp:

This letter is intended to serve as a notification for potential change regarding the excavated soil at the Cofferdam.

During the second phase of cofferdam excavation (approximate elevation 1620.00 to 1610.00), Michels personnel observed and reviewed the excavated soil and found that the majority of the material removed did not coincide with the soil conditions detailed in the Geotechnical Data Report that was supplied. The visual inspection of this excavated material revealed an approximate 60 percent to 80 percent gravel content. The Geotechnical Data ranged from 0 percent to 26.7 percent gravel. This table summarizes bore log information provided within said report:

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Michels intends to collect soil samples from the next phase of excavations, roughly 1610.00 to 1600.00 (elevation of the tunnel alignment) and will have those samples analyzed by a laboratory to determine sand and gravel content. If the analysis verifies our visual inspection for soils in the tunnel path, there may be additional

impact related to this. Pictures have also been included for reference. If you have any questions or concerns please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman". The signature is fluid and cursive, with a large initial "C" and a long, sweeping underline.

Clayton Newman

Project Manager, Michels Trenchless



Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	

COPIES	DATE	NO.	DESCRIPTION


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As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____

RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed: 

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



January 26, 2023

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFP 005 – Rev 3 - Additional 10 in. Pipe Outlets

Dear Mr. Ronnekamp:

Michels is submitting the following REVISED proposal in response to the letter dated December 22, 2022 and teleconference discussion on January 13, 2023.

Michels has amended the following items for the proposal:

1. *Subcontractor mark-up revised to reflect 5% per contract.*
2. *Per diem removed from personnel whose work related to the project did not exceed 1 day.*

Michels is not inclined to modify equipment rates for this proposal. As stated in Revision 2 of this proposal, Rental rates were provided and substantiated with the submittal of RFP 004. Additionally, Michels supplied substantiation of rates in the approved proposal submitted on September 13, 2022.

Michels also disagrees with Black and Veatch's assessment related to execution of this proposal. An amended lump sum amount was provided to the client on a very expedited timeline of discussion with site representative and Garrison. This lump sum proposal, including amount, was approved by Garrison per correspondence submitted with Rev 2. It was also communicated to Michels that this proposal would be approved and executed at the level of Kip Kovar and Duane DeKrey, not the Garrison board as the amount for this change does not require review by the board. Michels moved forward with this work in good faith so as not to disrupt work or create additional delay based on the approval and discussions with site representative and Garrison directly.

The final revised cost to perform this work is \$11,676.55. A revised cost summary worksheet has been attached to this proposal.

Please contact me if you have any questions or comments by either email cnewman@michels.us or phone (210) 860-4668.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless
CC: Adam Stremcha, SPM

COST SUMMARY

Contract No. 21263912
Project: MRI Screen Structure and Tunnel
Ref No: RFP-005 - Rev 3

Contractor: Michels Trenchless
Description: Addition of 2 10-inch pipe outlets to riser pipe

Date: 1/26/2023

LABOR									
(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME) (8)	INSURANCE RATE	INSURANCE AMOUNT (9)=(3)X(6)X(8)	
Superintendent	Superintendent	\$ 55.00	\$ 20.15	\$ 75.15	4.00	\$ 300.60	25%	\$ 54.38	
Mechanic/Fabricator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	10.00	\$ 591.50	25%	\$ 96.41	
Operator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	2.00	\$ 118.30	25%	\$ 19.28	
Laborer 1	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98	
Laborer 2	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98	
Field Engineer	Field Engineer	\$ 50.00	\$ 20.15	\$ 70.15	4.00	\$ 280.60	25%	\$ 49.44	
						TOTAL FOR LABOR	\$ 3,537.00	TOTAL FOR COLUMN (9)	\$ 575.48

ADDITIONAL LABOR EXPENSE				
(NAME OF EMPLOYEE) (10)	PER DIEM (11)	DAYS (12)	TOTAL (13) = (11) + (12)	
Superintendent	\$ 125.00		\$ -	
Mechanic/Fabricator	\$ 105.00		\$ -	
Operator	\$ 105.00		\$ -	
Laborer 1	\$ 105.00	1	\$ 105.00	
Laborer 2	\$ 105.00	1	\$ 105.00	
Field Engineer	\$ 125.00		\$ -	
TOTAL			\$ 210.00	

EQUIPMENT					
ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
		Holiday tester	\$ 20.00	20.00	\$ 400.00
	Manitowoc 888 Crane	Crane	\$ 618.25	0.00	\$ -
	Komatsu WA 470	Loader	\$ 84.29	2.00	\$ 168.58
	Michels Light Duty Pick-Up	Mechanic Truck	\$ 28.67	20.00	\$ 573.40
	Michels Light Duty Pick-Up	Crew Truck	\$ 28.67	20.00	\$ 573.40
	Michels Light Duty Pick-Up	Field Engineer Truck	\$ 28.67	10.00	\$ 286.70
TOTAL					\$2,002.08

MATERIALS					
DATE	VENDOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Denso	Wax tape primer	4	\$ 48.28	\$193.14
	Denso	Wax tape mastic	12	\$ 34.10	\$409.20
	Denso	Wax tape tape	8	\$ 58.94	\$471.55
	Denso	Wax tape glass wrap	2	\$ 199.18	\$398.36
	Denso	Wax tape outer wrap	1	\$ 33.63	\$33.63
	Tenet Solutions	Shipping and tax	1	\$ 240.11	\$240.11
	Durashield	DS310 JARS repair kits	3	\$ 135.00	\$405.00
	Durashield	Shipping and tax	1	\$ 60.00	\$60.00
	Ferguson	Blind flanges		\$ 200.00	\$0.00
	Ferguson	Ring flanges		\$ 90.00	\$0.00
	Ferguson	Stud with nuts		\$ 3.12	\$0.00
	Ferguson	Washers		\$ 0.58	\$0.00
	Ferguson	Gaskets		\$ 28.27	\$0.00
	Ferguson	A53 pipe		\$ 130.90	\$0.00
	Ferguson	Shipping and tax		\$ 550.63	\$0.00
TOTAL					\$2,210.99

SUBCONTRACTORS					
DATE	SUBCONTRACTOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Braun Intertec	NDE Testing	0	\$ 1,491.50	\$ -
	InDemand Industrial Services	Welding	0	\$ 5,500.00	\$ -
	Mesa	Cathodic Protection	1	\$ 2,000.00	\$ 2,000.00
TOTAL					\$2,000.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 4,112.48	\$ 616.87	\$ 4,729.35
LABOR EXPENSE	\$ 210.00	\$ 31.50	\$ 241.50
EQUIPMENT	\$ 2,002.08	\$ -	\$ 2,002.08
MATERIAL	\$ 2,210.99	\$ 331.65	\$ 2,542.64
SUBCONTRACTOR	\$ 2,000.00	\$ 100.00	\$ 2,100.00

	\$ 11,615.57
P&PB ADJUSTMENT	\$ 60.98
SUMMARY TOTAL	\$ 11,676.55



October 26, 2022

Kurt Ronnekamp

Black & Veatch

8400 Ward Parkway

Kansas City, MO 64114

RE: RFC 005 – Revision 2

Mr. Ronnekamp:

In accordance with Black and Veatch response to RFP 005 dated October 4, Michels has reviewed the correspondence and provided the following:

1. Rental Rates – Rental rates were provided and substantiated with the submittal of RFP 004. In addition, Michels supplied substantiation of rates in the approved proposal submitted on September 13, 2022. Michels has, however, revised the equipment costs in accordance with the equipment rates provided in RFP 004. Please refer to RFP 004 attached documentation for substantiation.
2. Per-Diem Days – Michels disagrees with this assessment and per diem has remained in this change order per the agreed upon lump sum amount via email from Kip Kovar on 9-13-22.
3. Insurance Rate – Michels insurance rate is calculated per the following breakdown:
 1. Fed UC – 0.6%
 2. Soc Security – 6.2%
 3. Medicare – 1.45%
 4. SUTA – 9.50%
 5. Worker's Comp – 7.0%
 6. General Liability/Auto – 2.0%
 7. Total Insurance – 26.15% (Change Order is 25%)
4. Mark-Up Percentages - Michels has revised the change order to exclude any mark-ups that do not meet contract requirements. A revised cost summary is attached to confirm correct mark-up percentages.

A lump sum proposal was provided prior to commencement of the work on 9-13-22 and approved via email the same day by the client. However, Michels in good faith has reviewed Black and Veatch's comments and provided a total REVISED cost for this change order of \$12,338.00. If you have any questions or comments please let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless Operations

From: Kip Kovar
To: Aaron Faken; Clayton Newman; Cory Chorne; Todd Norton; Ronnekamp, Kurt
Subject: RE: Request for additional scope of work for intake piping.
Date: Tuesday, September 13, 2022 1:50:27 PM

I concur with this proposal.

Kip Kovar

From: Aaron Faken <Aaron.Faken@AE2S.com>
Sent: Tuesday, September 13, 2022 11:39 AM
To: Clayton Newman <cnewman@michels.us>; Kip Kovar <kpk@gdcd.org>; Cory Chorne <Cory.Chorne@AE2S.com>; Todd Norton <Todd.Norton@AE2S.com>; Ronnekamp, Kurt <ronnekampka@bv.com>
Subject: Re: Request for additional scope of work for intake piping.

Kip, I assume we are approving this proposal from Michels? I'm sitting with Clayton now and he needs an approval to the proposal to setup a work order.

I gave him a verbal but can someone respond as to an electronic approval? Thank you.

Sent from my iPhone

On Sep 13, 2022, at 11:35 AM, Clayton Newman <cnewman@michels.us> wrote:

Clayton Newman
Project Manager
Michels Trenchless, Inc.
office: 920.924.4300 | cell: 210.860.4668
cnewman@michels.us
PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us



[\[nam12.safelinks.protection.outlook.com\]](#)

THE INFORMATION CONTAINED IN THIS COMMUNICATION MAY BE CONFIDENTIAL, AND/OR LEGALLY PRIVILEGED, AND IS INTENDED ONLY FOR THE USE OF THE RECIPIENT(S) NAMED ABOVE. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION, OR COPYING OF THIS COMMUNICATION OR ANY OF ITS CONTENTS IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY THE SENDER AND DELETE THE COMMUNICATION IN ITS ENTIRETY.

From: Clayton Newman
Sent: Thursday, September 8, 2022 8:50 AM
To: Aaron Faken <Aaron.Faken@AE2S.com>; Ryan Ward <rward@michels.us>; Todd Norton <Todd.Norton@AE2S.com>; Cory Chorne <cory.chorne@ae2s.com>; Kip Kovar <kpk@gdcd.org>
Subject: RE: Request for additional scope of work for intake piping.

Aaron,
See attached for revised proposal removing the hardware as requested.

Clayton Newman
Project Manager
Michels Trenchless, Inc.
office: 920.924.4300 | cell: 210.860.4668
cnewman@michels.us
PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us



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From: Aaron Faken <Aaron.Faken@AE2S.com>
Sent: Wednesday, September 7, 2022 5:54 PM
To: Clayton Newman <cnewman@michels.us>; Ryan Ward <rward@michels.us>; Todd Norton <Todd.Norton@AE2S.com>; Cory Chorne <cory.chorne@ae2s.com>; Kip Kovar <kpk@gdcd.org>
Subject: Request for additional scope of work for intake piping.

Clayton, thank you for your time on this.

As we discussed, we have reviewed your proposal and have asked for the following:

1. Kip would like to haul the (2) pieces of site and have an independent firm perform the assembly and welding of the parts.
2. Michels would assist by loading the (2) pieces onto a tractor/trailer for transport to Minot.
3. Once the welding was completed the (2) pieces would be returned to site no later than September 16th by close of business (roughly 5pm).
4. Michels would unload the (2) assembled pieces onsite.
5. Michels would coat the assemblies as they have quoted in their proposal for the work.
6. Michels would install the anodes as they have quoted in their proposal for the work.

The actual setting of the (2) pieces is part of the original scope of work awarded to Michels from there on out as to the intake piping assembly.

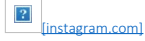
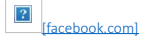
I know time is off the essence and Kip needs to get approval for this possibly tomorrow morning.

Clayton/Ryan,,
Please reply with any clarifications needed or corrections, and also the cost for each item I listed above that Michels would perform to verify the budget for the work scope.

Aaron Faken



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Construction Services Representative

Aaron.Faken@ae2s.com

Office: 701.852.4048
Mobile: 701.721.9476

1115 16th Street SW,
Suite 2
Minot, ND 58701

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COST SUMMARY

Contract No. 21013912
 Project: MRI Screen Structure and Tunnel
 Ref No: RFP-005

Contractor: Michels Trenchless Date: 10/26/2022
 Description: Addition of 2 10-inch pipe outlets to riser pipe

LABOR								
(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME) (8)	INSURANCE RATE	INSURANCE AMOUNT (9)=(3)X(6)X(8)
Superintendent	Superintendent	\$ 55.00	\$ 20.15	\$ 75.15	4.00	\$ 300.60	25%	\$ 54.38
Mechanic/Fabricator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	10.00	\$ 591.50	25%	\$ 96.41
Operator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	2.00	\$ 118.30	25%	\$ 19.28
Laborer 1	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Laborer 2	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Field Engineer	Field Engineer	\$ 50.00	\$ 20.15	\$ 70.15	4.00	\$ 280.60	25%	\$ 49.44
					TOTAL FOR LABOR	\$ 3,537.00	TOTAL FOR COLUMN (9)	\$ 575.48

ADDITIONAL LABOR EXPENSE			
(NAME OF EMPLOYEE) (10)	PER DIEM (11)	DAYS (12)	TOTAL (13) = (11) + (12)
Superintendent	\$ 125.00	0.25	\$ 31.25
Mechanic/Fabricator	\$ 105.00	1	\$ 105.00
Operator	\$ 105.00	0.2	\$ 21.00
Laborer 1	\$ 105.00	2	\$ 210.00
Laborer 2	\$ 105.00	2	\$ 210.00
Field Engineer	\$ 125.00	0.25	\$ 31.25
TOTAL			\$ 608.50

EQUIPMENT					
ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
		Holiday tester	\$ 20.00	20.00	\$ 400.00
	Manitowoc 888 Crane	Crane	\$ 618.25	0.00	\$ -
	Komatsu WA 470	Loader	\$ 84.29	2.00	\$ 168.58
	Michels Light Duty Pick-Up	Mechanic Truck	\$ 28.67	20.00	\$ 573.40
	Michels Light Duty Pick-Up	Crew Truck	\$ 28.67	20.00	\$ 573.40
	Michels Light Duty Pick-Up	Field Engineer Truck	\$ 28.67	10.00	\$ 286.70
TOTAL					\$2,002.08

MATERIALS					
DATE	VENDOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Denso	Wax tape primer	4	\$ 48.28	\$193.14
	Denso	Wax tape mastic	12	\$ 34.10	\$409.20
	Denso	Wax tape tape	8	\$ 58.94	\$471.55
	Denso	Wax tape glass wrap	2	\$ 199.18	\$398.36
	Denso	Wax tape outer wrap	1	\$ 33.63	\$33.63
	Tenet Solutions	Shipping and tax	1	\$ 240.11	\$240.11
	Durashield	DS310 JARS repair kits	3	\$ 135.00	\$405.00
	Durashield	Shipping and tax	1	\$ 60.00	\$60.00
	Ferguson	Blind flanges		\$ 200.00	\$0.00
	Ferguson	Ring flanges		\$ 90.00	\$0.00
	Ferguson	Stud with nuts		\$ 3.12	\$0.00
	Ferguson	Washers		\$ 0.58	\$0.00
	Ferguson	Gaskets		\$ 28.27	\$0.00
	Ferguson	A53 pipe		\$ 130.90	\$0.00
	Ferguson	Shipping and tax		\$ 550.63	\$0.00
TOTAL					\$2,210.99

SUBCONTRACTORS					
DATE	SUBCONTRACTOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Braun Intertec	NDE Testing	0	\$ 1,491.50	\$ -
	InDemand Industrial Services	Welding	0	\$ 5,500.00	\$ -
	Mesa	Cathodic Protection	1	\$ 2,000.00	\$ 2,000.00
TOTAL					\$2,000.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 4,112.48	\$ 616.87	\$ 4,729.35
LABOR EXPENSE	\$ 608.50	\$ 91.28	\$ 699.78
EQUIPMENT	\$ 2,002.08	\$ -	\$ 2,002.08
MATERIAL	\$ 2,210.99	\$ 331.65	\$ 2,542.64
SUBCONTRACTOR	\$ 2,000.00	\$ 300.00	\$ 2,300.00

	\$ 12,273.85
P&B ADJUSTMENT	\$ 64.44
SUMMARY TOTAL	\$ 12,338.28



BLACK & VEATCH CORPORATION
 8400 WARD PARKWAY
 KANSAS CITY, MO 64114 USA
 +1 913-458-2000 | RONNEKAMPKA@BV.COM

Tuesday, October 4, 2022

Michels Corporation
 P.O. Box 128
 817 Main Street
 Brownsville, WI 53006

RRVWSP TO 2530 MRI CT2

BV Project 405425
 BV File 60.2350

Attention: Clayton Newman

Subject: Engineer Response to RFP-005_rev1

Mr. Newman:

The Engineering Team reviewed the revised RFP-005 transmittal and has comments concerning the items listed below:

Rental Rates. In processing change orders on other RRVWSP construction projects, the team has observed lower costs associated with rental equipment and vehicles. Please provide invoices, rental agreements, or other suitable documentation to justify the rental rates proposed in the Michels' proposal.

Per-Diem Days. The team's recommendation to the Owner is to not pay per diem charges when the time involved amounts to less than 4 hours per day.

Insurance Rate. The team is accustomed to seeing labor markups for fringe benefits, including insurance, in the 40- to 50-percent range of the raw labor cost or base rate. Please provide documentation justifying the additional 25-percent labor markup for insurance as it is customarily included in the 40- to 50-percent for fringe benefits.

Mark Up Percentages. Please review and apply the markup percentages allowed per the General Conditions as listed below.

Description	Percentage
Labor, including Fringe Benefits	15%
Labor Direct Expenses	0%
Rental Equipment (owned or leased)	0%
Materials and Equipment Incorporated in the Work	15%
Subcontractors	5%

Rental equipment and labor direct expenses (such as per diem) are ineligible for markups and are paid for at-cost per the General Conditions. A 15-percent markup is permitted on material and equipment, if any, incorporated in the work. Subcontractor costs maybe marked up by 5 percent. Please refer to Articles 11 and 13 of the General Conditions if you have questions about allowable markups or fees.

Please provide the above-requested information along with revised costs as appropriate so that we may finishing processing this change request and provide a recommendation of approval to the Owner.

Sincerely,

BLACK & VEATCH



Kurt Ronnekamp
Sr Project Manager

Enclosures

cc: Duane DeKrey, GDCD
Kip Kovar, GDCD
Cory Chorne, AE2S
Aswathy Sivaram, BV



September 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFP 005

Dear Mr. Ronnekamp:

Michels is submitting the following REVISED proposal in response to the email from Aaron Faken on Wednesday, September 7, 2022. Michels has designated the label RFP 005 to the request.

Michels is requesting a Change Order to the Contract to perform the following work as detailed in the email communication from A. Faken and RFP 005 drawing. Any additional work and cost not detailed in this summary shall be considered a separate addition to this proposal:

1. *Bolt-Up of (2) ea. 10" blind flanges to completed pipe sections.*
2. *Bond (2) ea. blind flanges for cathodic protection in accordance with email clarifications.*
3. *Apply and NDE two-part polyurethane kits to (2) ea. 10" installed pipe sections.*
4. *Apply and NDE wax tape to (2) ea. bolted flanges on 10" pipe sections.*
5. *Supply materials and equipment listed in the attached cost estimate.*
6. *Provide assistance for loading and offloading of riser pipe sections onto trucking provided by others.*

The total cost to perform this work is \$13,868.00. A cost summary worksheet has been attached to this proposal. Additionally, the proposed work will add 2 schedule days to the Contract Time. The proposal has been revised to reflect the language in the September 7 email; specifically to remove any and all fabrication related activities, which will be performed by Garrison Diversion Conservancy representatives. Any delay or standby resulting in financial and schedule impacts due to availability of the riser sections for installation is the responsibility of the client and will be billed in a separate change order.

Please contact me if you have any questions or comments by either email cnewman@michels.us or phone (210) 860-4668.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless
CC: Adam Stremcha, SPM

COST SUMMARY

Contract No. 21013912
 Project: MRI Screen Structure and Tunnel
 Ref No: RFP-005

Contractor: Michels Trenchless

Date: 9/7/2022

Description: Addition of 2 10-inch pipe outlets to riser pipe

LABOR								
(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME)	INSURANCE RATE (8)	INSURANCE AMOUNT (9)=(3)X(6)X(8)
Superintendent	Superintendent	\$ 55.00	\$ 20.15	\$ 75.15	4.00	\$ 300.60	25%	\$ 54.38
Mechanic/Fabricator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	10.00	\$ 591.50	25%	\$ 96.41
Operator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	2.00	\$ 118.30	25%	\$ 19.28
Laborer 1	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Laborer 2	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Field Engineer	Field Engineer	\$ 50.00	\$ 20.15	\$ 70.15	4.00	\$ 280.60	25%	\$ 49.44
					TOTAL FOR LABOR	\$ 3,537.00	TOTAL FOR COLUMN (9)	\$ 575.48

ADDITIONAL LABOR EXPENSE			
(NAME OF EMPLOYEE) (10)	PER DIEM (11)	DAYS (12)	TOTAL (13) = (11) * (12)
Superintendent	\$ 125.00	0.25	\$ 31.25
Mechanic/Fabricator	\$ 105.00	1	\$ 105.00
Operator	\$ 105.00	0.2	\$ 21.00
Laborer 1	\$ 105.00	2	\$ 210.00
Laborer 2	\$ 105.00	2	\$ 210.00
Field Engineer	\$ 125.00	0.25	\$ 31.25
TOTAL			\$ 608.50

EQUIPMENT					
ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
		Holiday tester	\$ 20.00	20.00	\$ 400.00
	Manitowoc 888 Crane	Crane	\$ 618.25	0.00	\$ -
	Komatsu WA 470	Loader	\$ 126.10	2.00	\$ 252.20
	Michels Light Duty Pick-Up	Mechanic Truck	\$ 48.04	20.00	\$ 960.80
	Michels Light Duty Pick-Up	Crew Truck	\$ 48.04	20.00	\$ 960.80
	Michels Light Duty Pick-Up	Field Engineer Truck	\$ 49.05	10.00	\$ 490.50
TOTAL					\$3,064.30

MATERIALS					
DATE	VENDOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Denso	Wax tape primer	4	\$ 48.28	\$193.14
	Denso	Wax tape mastic	12	\$ 34.10	\$409.20
	Denso	Wax tape tape	8	\$ 58.94	\$471.55
	Denso	Wax tape glass wrap	2	\$ 199.18	\$398.36
	Denso	Wax tape outer wrap	1	\$ 33.63	\$33.63
	Tenet Solutions	Shipping and tax	1	\$ 240.11	\$240.11
	Durashield	DS310 JARS repair kits	3	\$ 135.00	\$405.00
	Durashield	Shipping and tax	1	\$ 60.00	\$60.00
	Ferguson	Blind flanges		\$ 200.00	\$0.00
	Ferguson	Ring flanges		\$ 90.00	\$0.00
	Ferguson	Stud with nuts		\$ 3.12	\$0.00
	Ferguson	Washers		\$ 0.58	\$0.00
	Ferguson	Gaskets		\$ 28.27	\$0.00
	Ferguson	A53 pipe		\$ 130.90	\$0.00
	Ferguson	Shipping and tax		\$ 550.63	\$0.00
TOTAL					\$2,210.99

SUBCONTRACTORS					
DATE	SUBCONTRACTOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Braun Intertec	NDE Testing	0	\$ 1,491.50	\$ -
	InDemand Industrial Services	Welding	0	\$ 5,500.00	\$ -
	Mesa	Cathodic Protection	1	\$ 2,000.00	\$ 2,000.00
TOTAL					\$2,000.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 4,112.48	\$ 616.87	\$ 4,729.35
LABOR EXPENSE	\$ 608.50	\$ 91.28	\$ 699.78
EQUIPMENT	\$ 3,064.30	\$ 459.65	\$ 3,523.95
MATERIAL	\$ 2,210.99	\$ 331.65	\$ 2,542.64
SUBCONTRACTOR	\$ 2,000.00	\$ 300.00	\$ 2,300.00

	\$	13,795.71
P&PB ADJUSTMENT	\$	72.43
SUMMARY TOTAL	\$	13,868.14

www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Ford F-150 XLT 4x4 Gas
Light Duty Trucks

Size Class:
2
Weight:
N/A



Configuration for F-150 XLT 4x4 Gas

Power Mode **Gasoline** Wheelbase **122.8 Inches**
Model Trim **XLT** Gross Vehicle Weight Rating **6050 Pounds**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,355.00	USD \$660.00	USD \$165.00	USD \$25.00	USD \$35.67	USD \$49.05
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,355.00	USD \$660.00	USD \$165.00	USD \$25.00	USD \$35.67	USD \$49.05

Non-Active Use Rates

	Hourly
Standby Rate	USD \$7.23
Idling Rate	USD \$39.51

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$635.85/mo
Overhaul (ownership)	46%	USD \$1,083.30/mo
CFC (ownership)	6%	USD \$141.30/mo
Indirect (ownership)	21%	USD \$494.55/mo
Fuel (operating) @ USD 4.88	73%	USD \$26.13/hr

Revised Date: 3rd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Ford SUPER DUTY F-250 XL 4x4 Gas
Light Duty Trucks

Size Class:
2
Weight:
N/A



Configuration for SUPER DUTY F-250 XL 4x4 Gas

Power Mode **Gasoline** Wheelbase **142 Inches**
Model Trim **XL** Gross Vehicle Weight Rating **10000 Pounds**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,205.00	USD \$620.00	USD \$155.00	USD \$23.00	USD \$35.51	USD \$48.04
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,205.00	USD \$620.00	USD \$155.00	USD \$23.00	USD \$35.51	USD \$48.04

Non-Active Use Rates

	Hourly
Standby Rate	USD \$6.77
Idling Rate	USD \$38.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$595.35/mo
Overhaul (ownership)	46%	USD \$1,014.30/mo
CFC (ownership)	6%	USD \$132.30/mo
Indirect (ownership)	21%	USD \$463.05/mo
Fuel (operating) @ USD 4.88	74%	USD \$26.13/hr

Revised Date: 3rd quarter 2022

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All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Manitowoc 888 (disc. 2000)

Crawler Mounted Lattice Boom Cranes



Size Class:

201.0 MTons & Over

Weight:

N/A**Configuration for 888 (disc. 2000)**

Horsepower

330.0 hp

Power Mode

Diesel**Blue Book Rates**

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$57,120.00	USD \$15,995.00	USD \$4,000.00	USD \$600.00	USD \$293.70	USD \$618.25
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2000: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$57,120.00	USD \$15,995.00	USD \$4,000.00	USD \$600.00	USD \$293.70	USD \$618.25

Non-Active Use Rates

Standby Rate

Hourly

USD \$184.99

Idling Rate

USD \$386.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	USD \$19,420.80/mo
Overhaul (ownership)	43%	USD \$24,561.60/mo
CFC (ownership)	5%	USD \$2,856.00/mo
Indirect (ownership)	18%	USD \$10,281.60/mo
Fuel (operating) @ USD 5.70	21%	USD \$62.11/hr

Revised Date: 3rd quarter 2022

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(astremcha@michels.us)

www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Komatsu WA470-8

4-Wd Articulated Wheel Loaders

Size Class:
250 - 274 HP
 Weight:
 N/A

**Configuration for WA470-8**

Operator Protection

ROPS/FOPS

Power Mode

Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$12,540.00	USD \$3,510.00	USD \$880.00	USD \$135.00	USD \$54.85	USD \$126.10
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$12,540.00	USD \$3,510.00	USD \$880.00	USD \$135.00	USD \$54.85	USD \$126.10

Non-Active Use Rates

Hourly

Standby Rate

USD \$46.31

Idling Rate

USD \$94.08

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	45%	USD \$5,643.00/mo
Overhaul (ownership)	35%	USD \$4,389.00/mo
CFC (ownership)	7%	USD \$877.80/mo
Indirect (ownership)	13%	USD \$1,630.20/mo
Fuel (operating) @ USD 5.70	42%	USD \$22.83/hr

Revised Date: 3rd quarter 2022

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The equipment represented in this report has been exclusively prepared for ADAM STREMCHA
 (astremcha@michels.us)

Ryan Ward

From: Andy Williams <andy.williams@sealforlife.com>
Sent: Friday, August 19, 2022 12:51 PM
To: Ryan Ward; Mary Grothe
Cc: Clayton Newman; Jakob Paul
Subject: RE: 21013912 MRI 310JARS kits Michels

Hello Ryan,

Your DS 310 JARS kits with sundries @ \$137.50 each

Fright cost 3 kits to Bismark, ND is \$60.00

Let us know and we'll get your order moving asap.

Thank you.

**Kind Regards,
 Andy Williams**

Key Account Manager



[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

LifeLast, Inc. – Seal for Life Industries

3813 Helios Way, Suite 190

Pflugerville, Texas 78660

M: 318.564.7168

T: 512.628.2112

E: andy.williams@sealforlife.com

W: www.lifelast.com

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

W: www.sealforlife.com

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

From: Ryan Ward <rward@michels.us>

Sent: Wednesday, August 17, 2022 3:14 PM

To: Mary Grothe <mary.grothe@sealforlife.com>; Andy Williams <andy.williams@sealforlife.com>

Cc: Clayton Newman <cnewman@michels.us>; Jakob Paul <jpaul@michels.us>

Subject: 21013912 MRI 310JARS kits Michels

[External Email: Please do not click links or open attachments unless you trust the sender and know the content is safe. If in doubt, contact the IT Help Desk.]

Mary or Andy,

Could you please send us a quote for 3 more of the same patch kits with sundries with shipping to 3421 N 14th St, Bismarck, ND 58503.

Thank you,

Ryan Ward, EIT

Field Engineer

Trenchless Crossings Operations

office: 920.924.4300 | cell: 414.213.8314

rward@michels.us

PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us



[\[eur06.safelinks.protection.outlook.com\]](http://eur06.safelinks.protection.outlook.com)

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TENET
 1238 GREY FOX RD
 ARDEN HILLS, MN 55112
 Phone: 651 604 2836
 Fax:

Quote Number
65853

Quoted To				Ship To					
114317 MICHELS CORPORATION PO BOX 128 BROWNSVILLE, WI 53006-0128 Phone: 920-583-3132				DENSO					
Quote Date 08-18-22		Ship Via		F.O.B. Point		Lead Time		Sls T05	Terms
Line	Quantity	Item #	Description	Per/UM	Unit Price	Disc %	Net Unit Price	Extended Price	
1	4.00	40518050	DENSO PASTE S105 5.5# EACH 4/CASE	1/EA	48.2846		48.2846	193.14	
2	12.00	40518052	DENSO PROFILE MASTIC 4# EACH 6/CASE	1/EA	34.1000		34.1000	409.20	
3	8.00	40630005	DENSO LT TAPE 8"X33' 8/CASE	1/RL	58.9442		58.9442	471.55	
4	2.00	40518056	DENSO GLASS OUTRWRAP 8"X40' 15/CASE	1/RL	199.1800		199.1800	398.36	
5	1.00	40630034	DENSO POLYWRAP 6"X500' 4/CASE	1/RL	33.6269		33.6269	33.63	
6	1.00	09910000 *	SHIPPING ESTIMATE	1/EA	210.0000		210.0000	210.00	
			PRICES FIRM THROUGH 9-19-22						
			FOB.GOOD STOCK ITEMS.						
					Total of Above	Sales Tax	Quote Total		
					1,715.88	120.11	1,835.99		

(Created 08-23-22 01:30:15 pm)

Page 1 of 1

THANK YOU FOR THE OPPORTUNITY TO QUOTE. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

Jake Zwieg



FERGUSON (MANDAN #3135) **229**
 2817 37TH ST NW
 MANDAN, ND 58554

Phone: 701-663-2446
 Fax: 701-663-2554

Deliver To: From: Joe Twigg Comments:
--

11:10:13 AUG 26 2022

FERGUSON ENTERPRISES LLC #1657

Price Quotation
 Phone: 701-663-2446
 Fax: 701-663-2554

Bid No: B425564
Bid Date: 08/17/22
Quoted By: JET

Cust Phone: 920-583-3132
Terms: NET 10TH PROX

Customer: MICHELS CORPORATION
 PO BOX 128
 BROWNSVILLE, WI 53006-0128

Ship To: MICHELS CORPORATION
 PO BOX 128
 BROWNSVILLE, WI 53006-0128

Cust PO#:

Job Name: FLANGES AND FITTINGS

Item	Description	Quantity	Net Price	UM	Total
BA193B7SBWN78R	7/8X4-1/2 BLK B7 STUD W/ 2H NUT	48	3.124	EA	149.95
HF436PFW78	7/8 F436 PLN FLT WSHR *X	96	0.581	EA	55.78
D150TRG10A	10 150# TEF 1/8 RNG GSKT	4	28.270	EA	113.08
SP-AWWAC207BLND	10" AWWA C207 CLASS D BLIND CS	2	200.000	EA	400.00
SP-AWWAC207RING	10" AWWA C207 CLASS D RING CS	2	90.000	EA	180.00
DBPPEA53BXH10	10 BLK BE A53B XH .500 ERW SRL	21	13090.364	C	2748.98
Net Total:					\$3647.79
Tax:					\$200.63
Freight:					\$0.00
Total:					\$3848.42

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
 Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.
 COVID-19 ORDER: ANY REFERENCE TO OR INCORPORATION OF EXECUTIVE ORDER 14042 AND/OR THE EO-IMPLEMENTING FEDERAL CLAUSES (FAR 52.223-99 AND/OR DFARS 252.223-7999) IS EXPRESSLY REJECTED BY SELLER AND SHALL NOT APPLY AS SELLER IS A MATERIALS SUPPLIER AND THEREFORE EXEMPT UNDER THE EXECUTIVE ORDER.



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<https://survey.medalfa.com/?bidsorder&fc=1676&on=52040>



The Science You Build On.

Project Proposal

QTB164602

10" - MT - Additional Trip

Client:

Michels Corporation, Inc.

PO Box 128
Brownsville, WI 53006
(920) 583-3132

Work Site Address:

Garrison, ND 58540

Service Description:

NDE Services

	Description	Quantity	Units	Unit Price	Extension
Phase 1	NDE				
Activity 1.1	NDE Services				\$1,491.50
108	Level II NDE Technician	8.00	Hour	95.00	\$760.00
108	Level II NDE Technician	2.00	Hour	128.25	\$256.50
1863	Per diem	1.00	Each	155.00	\$155.00
1660	Vehicle, per day	1.00	Each	45.00	\$45.00
1661	Vehicle mileage, per mile	150.00	Each	0.80	\$120.00
1626	MT Yoke equipment, per day	1.00	Each	31.00	\$31.00
1630	Consumable dry powder, per pound	4.00	Each	31.00	\$124.00
Phase 1 Total:					\$1,491.50

Proposal Total:	\$1,491.50
------------------------	-------------------

August 19, 2022

Michels
PO Box 128
Brownsville, WI 53006

Attn: Clayton Newman
cnewman@michels.us

Ref: InDemand Proposal No. 1347

Dear Clayton,

InDemand Industrial Services, LLC is pleased to provide you with our Budgetary proposal to perform the pipe welding work for the Intake Structure. Our price is based on the documents and clarifications received through email.

InDemand Daily Cost \$5,500.00

Clarifications

1. InDemand will provide two qualified Pipefitter A's and two qualified Code Welders for the daily rate above.
2. Included in this daily rate is time for our supervision to set up the crew and periodic inspection of their work.
3. Scaffolding can be provided by us for a lump sum price of \$7,220.00.

Exclusions

1. Safety equipment and training for personnel protection.
2. Ingress and Egress from the welding location.
3. X-Ray or Magnetic Particle Testing.
4. Rigging and setting the piping. Our crews will assist as needed.

Thank you for considering InDemand Industrial Services, it is greatly appreciated. We look forward to having the opportunity to provide the services you require in a safe, professional, and timely manner. If you have any questions, please contact me or Patrick Kirschenheiter, pat.kirschenheiter@indemandis.com.

Best Regards,

Arlin Gardner

Arlin Gardner
Project Director
arlin.gardner@indemandis.com
(701) 226-6643

Client Information		Proposal Information	
Contact:	Ryan Ward	Proposal #:	10-21-7877 – Joint Bonding
Company:	Michels Pipeline	Type of Work:	Joint Bonding
Address:	NA	Location:	ND
City, State, ZIP:	NA	Payment Terms:	Net 30 Days
Phone:	414-213-8314		

This MESA Proposal is issued pursuant to any applicable master service agreement or contract (“Agreement”). This proposal is subject to the terms and conditions contained in the Agreement and is made a part thereof. Any term not defined herein shall have the meaning specified in the Agreement.

We are pleased to quote the following labor, equipment, and materials in accordance with the plans and specifications provided and shown listed below. This proposal is based on the attached Bill of Materials and the Terms and Conditions.

Scope of Work - Flange Bonding

Time and Material to install bond jumpers per detail A,B, and C on 10-C-504 and Specification Section 13 01 10 on Qty 2 10” Flanges per email.

Estimate - Flange Bonding

Labor, Equipment, Other, Subcontract, Freight	\$2,000.00
Estimate total for - Flange Bonding	\$2,000.00

Pricing

MESA will complete the Scope of Work described above for the following Fixed Fee price. MESA reserves the right to modify this pricing if the project scope changes. Taxes and freight may be estimated in this proposal. The actual cost of these items, if required, will be added to the final price of the work. Due to worldwide raw material pricing volatility and tariffs, MESA reserves the right to review material pricing upon awarded notification to confirm current proposed values. Quoted labor/equipment pricing will be guaranteed a standard 90 days from the date of bid submittal.

Description	Total Cost
Total Price to complete scope of work as described above	\$2,000.00
Estimated State and Local Taxes as Required	On Final Invoice
Total Project Cost	\$2,000.00

MESA Contact	Regional Manager	Services Director
Chris Cooper Cell: 231-414-7749 Chris.Cooper@MESAproducts.com	Logan Swanson Cell: 260-473-7442 Logan.Swanson@MESAproducts.com	Kevin Pastotnik Cell: 918-479-0101 Kevin.Pastotnik@MESAproducts.com

Terms and Conditions

Exclusions:

1. AC power to the rectifier is not included.
2. Application for power with the local power company is not included.
3. Services of a licensed electrician is not included.
4. Installation of a power pole is not included.
5. Below grade conduits for positive and negative cable runs are not included.
6. Work area will be field dressed. This proposal does not include replacement of gravel, asphalt, sod, or damaged crop.
7. Vacuum excavation is not included in the proposal.
8. Tray cable not included.
9. The use of a portable pit is not included. If required, additional charges may apply.
10. Site Specific SAFETY training required for site access lasting more than one (1) hour is not included.

Clarifications:

1. Additional materials, services, or costs outside of the planned work will generate a “change order” clarifying the work scope and additional costs.
2. Standby charges will apply for any work stoppages beyond MESA’s control will be invoiced at a maximum of 5 hours/day, including, but not limited to inclement weather, right of way access, and/or customer directives.
3. Scope can be completed at the same time as all other scopes, if not additional mobilization will need to be addressed.
4. The proposal price is based on working up to 10 hours per day, six days per week.
5. Additional mobilizations may apply if unable to complete the final survey due to AC power to the rectifier.
6. Additional materials may be required for cable tray to direct buried transitions.
7. This estimate is based on MESA’s ability to perform concurrent work activities and manage the order of work to be performed. If this ability be restricted by the client or their representative, additional charges may apply.

Client Representative Acceptance:

Signature

Printed Name - Title

Date



September 7, 2022

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFP 005

Dear Mr. Ronnekamp:

Michels is submitting the following REVISED proposal in response to the email from Aaron Faken on Wednesday, September 7, 2022. Michels has designated the label RFP 005 to the request.

Michels is requesting a Change Order to the Contract to perform the following work as detailed in the email communication from A. Faken and RFP 005 drawing. Any additional work and cost not detailed in this summary shall be considered a separate addition to this proposal:

1. *Bolt-Up of (2) ea. 10" blind flanges to completed pipe sections.*
2. *Bond (2) ea. blind flanges for cathodic protection in accordance with email clarifications.*
3. *Apply and NDE two-part polyurethane kits to (2) ea. 10" installed pipe sections.*
4. *Apply and NDE wax tape to (2) ea. bolted flanges on 10" pipe sections.*
5. *Supply materials and equipment listed in the attached cost estimate.*
6. *Provide assistance for loading and offloading of riser pipe sections onto trucking provided by others.*

The total cost to perform this work is \$13,868.00. A cost summary worksheet has been attached to this proposal. Additionally, the proposed work will add 2 schedule days to the Contract Time. The proposal has been revised to reflect the language in the September 7 email; specifically to remove any and all fabrication related activities, which will be performed by Garrison Diversion Conservancy representatives. Any delay or standby resulting in financial and schedule impacts due to availability of the riser sections for installation is the responsibility of the client and will be billed in a separate change order.

Please contact me if you have any questions or comments by either email cnewman@michels.us or phone (210) 860-4668.

Sincerely,

A handwritten signature in black ink that reads "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless
CC: Adam Stremcha, SPM

COST SUMMARY

Contract No. 21013912
 Project: MRI Screen Structure and Tunnel
 Ref No: RFP-005

Contractor: Michels Trenchless
 Description: Addition of 2 10-inch pipe outlets to riser pipe

Date: 9/7/2022

LABOR								
(NAME OF EMPLOYEE) (1)	CLASS OF EMPLOYEE (2)	HOURLY RATE (3)	FRINGE BENEFIT/HR (4)	TOTAL RATE (5)=(3)+(4)	HOURS (6)	TOTAL (7)=(5)X(6) (RATE * 1.5 FOR OVERTIME)	INSURANCE RATE (8)	INSURANCE AMOUNT (9)=(3)X(6)X(8)
Superintendent	Superintendent	\$ 55.00	\$ 20.15	\$ 75.15	4.00	\$ 300.60	25%	\$ 54.38
Mechanic/Fabricator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	10.00	\$ 591.50	25%	\$ 96.41
Operator	Operator	\$ 39.00	\$ 20.15	\$ 59.15	2.00	\$ 118.30	25%	\$ 19.28
Laborer 1	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Laborer 2	Laborer	\$ 36.00	\$ 20.15	\$ 56.15	20.00	\$ 1,123.00	25%	\$ 177.98
Field Engineer	Field Engineer	\$ 50.00	\$ 20.15	\$ 70.15	4.00	\$ 280.60	25%	\$ 49.44
					TOTAL FOR LABOR	\$ 3,537.00	TOTAL FOR COLUMN (9)	\$ 575.48

ADDITIONAL LABOR EXPENSE			
(NAME OF EMPLOYEE) (10)	PER DIEM (11)	DAYS (12)	TOTAL (13) = (11) + (12)
Superintendent	\$ 125.00	0.25	\$ 31.25
Mechanic/Fabricator	\$ 105.00	1	\$ 105.00
Operator	\$ 105.00	0.2	\$ 21.00
Laborer 1	\$ 105.00	2	\$ 210.00
Laborer 2	\$ 105.00	2	\$ 210.00
Field Engineer	\$ 125.00	0.25	\$ 31.25
TOTAL			\$ 608.50

EQUIPMENT					
ID (14)	(NAME OF EQUIPMENT) (15)	EQUIPMENT TYPE (16)	RATE (17)	HOURS (18)	TOTAL (19) = (17) * (18)
		Holiday tester	\$ 20.00	20.00	\$ 400.00
	Manitowoc 888 Crane	Crane	\$ 618.25	0.00	\$ -
	Komatsu WA 470	Loader	\$ 126.10	2.00	\$ 252.20
	Michels Light Duty Pick-Up	Mechanic Truck	\$ 48.04	20.00	\$ 960.80
	Michels Light Duty Pick-Up	Crew Truck	\$ 48.04	20.00	\$ 960.80
	Michels Light Duty Pick-Up	Field Engineer Truck	\$ 49.05	10.00	\$ 490.50
TOTAL					\$3,064.30

MATERIALS					
DATE	VENDOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Denso	Wax tape primer	4	\$ 48.28	\$193.14
	Denso	Wax tape mastic	12	\$ 34.10	\$409.20
	Denso	Wax tape tape	8	\$ 58.94	\$471.55
	Denso	Wax tape glass wrap	2	\$ 199.18	\$398.36
	Denso	Wax tape outer wrap	1	\$ 33.63	\$33.63
	Tenet Solutions	Shipping and tax	1	\$ 240.11	\$240.11
	Durashield	DS310 JARS repair kits	3	\$ 135.00	\$405.00
	Durashield	Shipping and tax	1	\$ 60.00	\$60.00
	Ferguson	Blind flanges		\$ 200.00	\$0.00
	Ferguson	Ring flanges		\$ 90.00	\$0.00
	Ferguson	Stud with nuts		\$ 3.12	\$0.00
	Ferguson	Washers		\$ 0.58	\$0.00
	Ferguson	Gaskets		\$ 28.27	\$0.00
	Ferguson	A53 pipe		\$ 130.90	\$0.00
	Ferguson	Shipping and tax		\$ 550.63	\$0.00
TOTAL					\$2,210.99

SUBCONTRACTORS					
DATE	SUBCONTRACTOR	DESCRIPTION	QUANTITY	UNIT RATE	TOTAL
	Braun Intertec	NDE Testing	0	\$ 1,491.50	\$ -
	InDemand Industrial Services	Welding	0	\$ 5,500.00	\$ -
	Mesa	Cathodic Protection	1	\$ 2,000.00	\$ 2,000.00
TOTAL					\$2,000.00

	SUB TOTAL	MARK UP	ITEM TOTAL
LABOR	\$ 4,112.48	\$ 616.87	\$ 4,729.35
LABOR EXPENSE	\$ 608.50	\$ 91.28	\$ 699.78
EQUIPMENT	\$ 3,064.30	\$ 459.65	\$ 3,523.95
MATERIAL	\$ 2,210.99	\$ 331.65	\$ 2,542.64
SUBCONTRACTOR	\$ 2,000.00	\$ 300.00	\$ 2,300.00

	\$ 13,795.71
P&PB ADJUSTMENT	\$ 72.43
SUMMARY TOTAL	\$ 13,868.14

www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Ford F-150 XLT 4x4 Gas

Light Duty Trucks

Size Class:

2

Weight:

N/A



Configuration for F-150 XLT 4x4 Gas

Power Mode	Gasoline	Wheelbase	122.8 Inches
Model Trim	XLT	Gross Vehicle Weight Rating	6050 Pounds

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,355.00	USD \$660.00	USD \$165.00	USD \$25.00	USD \$35.67	USD \$49.05
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,355.00	USD \$660.00	USD \$165.00	USD \$25.00	USD \$35.67	USD \$49.05

Non-Active Use Rates

	Hourly
Standby Rate	USD \$7.23
Idling Rate	USD \$39.51

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$635.85/mo
Overhaul (ownership)	46%	USD \$1,083.30/mo
CFC (ownership)	6%	USD \$141.30/mo
Indirect (ownership)	21%	USD \$494.55/mo
Fuel (operating) @ USD 4.88	73%	USD \$26.13/hr

Revised Date: 3rd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ADAM STREMCHA (astremcha@michels.us)

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All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Ford SUPER DUTY F-250 XL 4x4 Gas
Light Duty Trucks

Size Class:
2
Weight:
N/A



Configuration for SUPER DUTY F-250 XL 4x4 Gas

Power Mode **Gasoline** Wheelbase **142 Inches**
Model Trim **XL** Gross Vehicle Weight Rating **10000 Pounds**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$2,205.00	USD \$620.00	USD \$155.00	USD \$23.00	USD \$35.51	USD \$48.04
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$2,205.00	USD \$620.00	USD \$155.00	USD \$23.00	USD \$35.51	USD \$48.04

Non-Active Use Rates

	Hourly
Standby Rate	USD \$6.77
Idling Rate	USD \$38.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	27%	USD \$595.35/mo
Overhaul (ownership)	46%	USD \$1,014.30/mo
CFC (ownership)	6%	USD \$132.30/mo
Indirect (ownership)	21%	USD \$463.05/mo
Fuel (operating) @ USD 4.88	74%	USD \$26.13/hr

Revised Date: 3rd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Manitowoc 888 (disc. 2000)

Crawler Mounted Lattice Boom Cranes



Size Class:

201.0 Mtons & Over

Weight:

N/A**Configuration for 888 (disc. 2000)**

Horsepower

330.0 hp

Power Mode

Diesel**Blue Book Rates**

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$57,120.00	USD \$15,995.00	USD \$4,000.00	USD \$600.00	USD \$293.70	USD \$618.25
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2000: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$57,120.00	USD \$15,995.00	USD \$4,000.00	USD \$600.00	USD \$293.70	USD \$618.25

Non-Active Use Rates

Standby Rate

Hourly

USD \$184.99

Idling Rate

USD \$386.66

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	34%	USD \$19,420.80/mo
Overhaul (ownership)	43%	USD \$24,561.60/mo
CFC (ownership)	5%	USD \$2,856.00/mo
Indirect (ownership)	18%	USD \$10,281.60/mo
Fuel (operating) @ USD 5.70	21%	USD \$62.11/hr

Revised Date: 3rd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

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(astremcha@michels.us)

www.equipmentwatch.com

All prices shown in US dollars (\$)

Rental Rate Blue Book®

August 23, 2022

Komatsu WA470-8

4-Wd Articulated Wheel Loaders

Size Class:
250 - 274 HP
 Weight:
N/A



Configuration for WA470-8

Operator Protection

ROPS/FOPS

Power Mode

Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$12,540.00	USD \$3,510.00	USD \$880.00	USD \$135.00	USD \$54.85	USD \$126.10
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2022: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$12,540.00	USD \$3,510.00	USD \$880.00	USD \$135.00	USD \$54.85	USD \$126.10

Non-Active Use Rates

Hourly

Standby Rate

USD \$46.31

Idling Rate

USD \$94.08

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	45%	USD \$5,643.00/mo
Overhaul (ownership)	35%	USD \$4,389.00/mo
CFC (ownership)	7%	USD \$877.80/mo
Indirect (ownership)	13%	USD \$1,630.20/mo
Fuel (operating) @ USD 5.70	42%	USD \$22.83/hr

Revised Date: 3rd quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ADAM STREMCHA (astremcha@michels.us)

Ryan Ward

From: Andy Williams <andy.williams@sealforlife.com>
Sent: Friday, August 19, 2022 12:51 PM
To: Ryan Ward; Mary Grothe
Cc: Clayton Newman; Jakob Paul
Subject: RE: 21013912 MRI 310JARS kits Michels

Hello Ryan,

Your DS 310 JARS kits with sundries @ \$137.50 each

Fright cost 3 kits to Bismark, ND is \$60.00

Let us know and we'll get your order moving asap.

Thank you.

Kind Regards,
Andy Williams
Key Account Manager



[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

LifeLast, Inc. – Seal for Life Industries

3813 Helios Way, Suite 190

Pflugerville, Texas 78660

M: 318.564.7168

T: 512.628.2112

E: andy.williams@sealforlife.com

W: www.lifelast.com

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

W: www.sealforlife.com

[\[eur03.safelinks.protection.outlook.com\]](mailto:eur03.safelinks.protection.outlook.com)

From: Ryan Ward <rward@michels.us>
Sent: Wednesday, August 17, 2022 3:14 PM
To: Mary Grothe <mary.grothe@sealforlife.com>; Andy Williams <andy.williams@sealforlife.com>
Cc: Clayton Newman <cnewman@michels.us>; Jakob Paul <jpaul@michels.us>
Subject: 21013912 MRI 310JARS kits Michels

[External Email: Please do not click links or open attachments unless you trust the sender and know the content is safe. If in doubt, contact the IT Help Desk.]

Mary or Andy,
Could you please send us a quote for 3 more of the same patch kits with sundries with shipping to 3421 N 14th St, Bismarck, ND 58503.
Thank you,

Ryan Ward, EIT
Field Engineer
Trenchless Crossings Operations

office: 920.924.4300 | cell: 414.213.8314
rward@michels.us
PO Box 128 | 817 Main Street | Brownsville, WI 53006

Please send all bid & estimate requests to trenchlessbids@michels.us



[\[eur06.safelinks.protection.outlook.com\]](http://eur06.safelinks.protection.outlook.com)

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TENET
 1238 GREY FOX RD
 ARDEN HILLS, MN 55112
 Phone: 651 604 2836
 Fax:

Quote Number
65853

Quoted To		Ship To						
114317 MICHELS CORPORATION PO BOX 128 BROWNSVILLE, WI 53006-0128 Phone: 920-583-3132		DENSO						
Quote Date	Ship Via	F.O.B. Point	Lead Time	Sls T05	Terms			
08-18-22								
Line	Quantity	Item #	Description	Per/UM	Unit Price	Disc %	Net Unit Price	Extended Price
1	4.00	40518050	DENSO PASTE S105 5.5# EACH 4/CASE	1/EA	48.2846		48.2846	193.14
2	12.00	40518052	DENSO PROFILE MASTIC 4# EACH 6/CASE	1/EA	34.1000		34.1000	409.20
3	8.00	40630005	DENSO LT TAPE 8"X33' 8/CASE	1/RL	58.9442		58.9442	471.55
4	2.00	40518056	DENSO GLASS OUTRWRAP 8"X40' 15/CASE	1/RL	199.1800		199.1800	398.36
5	1.00	40630034	DENSO POLYWRAP 6"X500' 4/CASE	1/RL	33.6269		33.6269	33.63
6	1.00	09910000 *	SHIPPING ESTIMATE	1/EA	210.0000		210.0000	210.00
			PRICES FIRM THROUGH 9-19-22					
			FOB.GOOD STOCK ITEMS.					
				Total of Above	Sales Tax	Quote Total		
				1,715.88	120.11	1,835.99		

(Created 08-23-22 01:30:15 pm)

Page 1 of 1

THANK YOU FOR THE OPPORTUNITY TO QUOTE. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

Jake Zwieg



FERGUSON (MANDAN #3135) **243**
 2817 37TH ST NW
 MANDAN, ND 58554

Phone: 701-663-2446
 Fax: 701-663-2554

Deliver To: From: Joe Twigg Comments:
--

11:10:13 AUG 26 2022

FERGUSON ENTERPRISES LLC #1657

Price Quotation
 Phone: 701-663-2446
 Fax: 701-663-2554

Bid No: B425564
Bid Date: 08/17/22
Quoted By: JET

Cust Phone: 920-583-3132
Terms: NET 10TH PROX

Customer: MICHELS CORPORATION
 PO BOX 128
 BROWNSVILLE, WI 53006-0128

Ship To: MICHELS CORPORATION
 PO BOX 128
 BROWNSVILLE, WI 53006-0128

Cust PO#:

Job Name: FLANGES AND FITTINGS

Item	Description	Quantity	Net Price	UM	Total
BA193B7SBWN78R	7/8X4-1/2 BLK B7 STUD W/ 2H NUT	48	3.124	EA	149.95
HF436PFW78	7/8 F436 PLN FLT WSHR *X	96	0.581	EA	55.78
D150TRG10A	10 150# TEF 1/8 RNG GSKT	4	28.270	EA	113.08
SP-AWWAC207BLND	10" AWWA C207 CLASS D BLIND CS	2	200.000	EA	400.00
SP-AWWAC207RING	10" AWWA C207 CLASS D RING CS	2	90.000	EA	180.00
DBPPEA53BXH10	10 BLK BE A53B XH .500 ERW SRL	21	13090.364	C	2748.98
Net Total:					\$3647.79
Tax:					\$200.63
Freight:					\$0.00
Total:					\$3848.42

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
 Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.
 COVID-19 ORDER: ANY REFERENCE TO OR INCORPORATION OF EXECUTIVE ORDER 14042 AND/OR THE EO-IMPLEMENTING FEDERAL CLAUSES (FAR 52.223-99 AND/OR DFARS 252.223-7999) IS EXPRESSLY REJECTED BY SELLER AND SHALL NOT APPLY AS SELLER IS A MATERIALS SUPPLIER AND THEREFORE EXEMPT UNDER THE EXECUTIVE ORDER.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1676&on=52040>



The Science You Build On.

Project Proposal

QTB164602

10" - MT - Additional Trip

Client:

Michels Corporation, Inc.

PO Box 128
Brownsville, WI 53006
(920) 583-3132

Work Site Address:

Garrison, ND 58540

Service Description:

NDE Services

	Description	Quantity	Units	Unit Price	Extension
Phase 1	NDE				
Activity 1.1	NDE Services				\$1,491.50
108	Level II NDE Technician	8.00	Hour	95.00	\$760.00
108	Level II NDE Technician	2.00	Hour	128.25	\$256.50
1863	Per diem	1.00	Each	155.00	\$155.00
1660	Vehicle, per day	1.00	Each	45.00	\$45.00
1661	Vehicle mileage, per mile	150.00	Each	0.80	\$120.00
1626	MT Yoke equipment, per day	1.00	Each	31.00	\$31.00
1630	Consumable dry powder, per pound	4.00	Each	31.00	\$124.00
Phase 1 Total:					\$1,491.50

Proposal Total:	\$1,491.50
------------------------	-------------------

August 19, 2022

Michels
PO Box 128
Brownsville, WI 53006

Attn: Clayton Newman
cnewman@michels.us

Ref: InDemand Proposal No. 1347

Dear Clayton,

InDemand Industrial Services, LLC is pleased to provide you with our Budgetary proposal to perform the pipe welding work for the Intake Structure. Our price is based on the documents and clarifications received through email.

InDemand Daily Cost \$5,500.00

Clarifications

1. InDemand will provide two qualified Pipefitter A's and two qualified Code Welders for the daily rate above.
2. Included in this daily rate is time for our supervision to set up the crew and periodic inspection of their work.
3. Scaffolding can be provided by us for a lump sum price of \$7,220.00.

Exclusions

1. Safety equipment and training for personnel protection.
2. Ingress and Egress from the welding location.
3. X-Ray or Magnetic Particle Testing.
4. Rigging and setting the piping. Our crews will assist as needed.

Thank you for considering InDemand Industrial Services, it is greatly appreciated. We look forward to having the opportunity to provide the services you require in a safe, professional, and timely manner. If you have any questions, please contact me or Patrick Kirschenheiter, pat.kirschenheiter@indemandis.com.

Best Regards,

Arlin Gardner

Arlin Gardner
Project Director
arlin.gardner@indemandis.com
(701) 226-6643

Client Information		Proposal Information	
Contact:	Ryan Ward	Proposal #:	10-21-7877 – Joint Bonding
Company:	Michels Pipeline	Type of Work:	Joint Bonding
Address:	NA	Location:	ND
City, State, ZIP:	NA	Payment Terms:	Net 30 Days
Phone:	414-213-8314		

This MESA Proposal is issued pursuant to any applicable master service agreement or contract (“Agreement”). This proposal is subject to the terms and conditions contained in the Agreement and is made a part thereof. Any term not defined herein shall have the meaning specified in the Agreement.

We are pleased to quote the following labor, equipment, and materials in accordance with the plans and specifications provided and shown listed below. This proposal is based on the attached Bill of Materials and the Terms and Conditions.

Scope of Work - Flange Bonding

Time and Material to install bond jumpers per detail A,B, and C on 10-C-504 and Specification Section 13 01 10 on Qty 2 10” Flanges per email.

Estimate - Flange Bonding

Labor, Equipment, Other, Subcontract, Freight	\$2,000.00
Estimate total for - Flange Bonding	\$2,000.00

Pricing

MESA will complete the Scope of Work described above for the following Fixed Fee price. MESA reserves the right to modify this pricing if the project scope changes. Taxes and freight may be estimated in this proposal. The actual cost of these items, if required, will be added to the final price of the work. Due to worldwide raw material pricing volatility and tariffs, MESA reserves the right to review material pricing upon awarded notification to confirm current proposed values. Quoted labor/equipment pricing will be guaranteed a standard 90 days from the date of bid submittal.

Description	Total Cost
Total Price to complete scope of work as described above	\$2,000.00
Estimated State and Local Taxes as Required	On Final Invoice
Total Project Cost	\$2,000.00

MESA Contact	Regional Manager	Services Director
Chris Cooper Cell: 231-414-7749 Chris.Cooper@MESAprducts.com	Logan Swanson Cell: 260-473-7442 Logan.Swanson@MESAprducts.com	Kevin Pastotnik Cell: 918-479-0101 Kevin.Pastotnik@MESAprducts.com

Terms and Conditions

Exclusions:

1. AC power to the rectifier is not included.
2. Application for power with the local power company is not included.
3. Services of a licensed electrician is not included.
4. Installation of a power pole is not included.
5. Below grade conduits for positive and negative cable runs are not included.
6. Work area will be field dressed. This proposal does not include replacement of gravel, asphalt, sod, or damaged crop.
7. Vacuum excavation is not included in the proposal.
8. Tray cable not included.
9. The use of a portable pit is not included. If required, additional charges may apply.
10. Site Specific SAFETY training required for site access lasting more than one (1) hour is not included.

Clarifications:

1. Additional materials, services, or costs outside of the planned work will generate a “change order” clarifying the work scope and additional costs.
2. Standby charges will apply for any work stoppages beyond MESA’s control will be invoiced at a maximum of 5 hours/day, including, but not limited to inclement weather, right of way access, and/or customer directives.
3. Scope can be completed at the same time as all other scopes, if not additional mobilization will need to be addressed.
4. The proposal price is based on working up to 10 hours per day, six days per week.
5. Additional mobilizations may apply if unable to complete the final survey due to AC power to the rectifier.
6. Additional materials may be required for cable tray to direct buried transitions.
7. This estimate is based on MESA’s ability to perform concurrent work activities and manage the order of work to be performed. If this ability be restricted by the client or their representative, additional charges may apply.

Client Representative Acceptance:

Signature

Printed Name - Title

Date

Letter of Transmittal

TRNS-

To:

Date:

Attention:

Re:

WE ARE SENDING YOU:

Shop Drawings	Prints	Specifications	via _____ the following items:
Copy of Letter	Change Order	_____	
Samples	Plans	_____	
Enclosed	Under Separate Cover	_____	

COPIES	DATE	NO.	DESCRIPTION


THESE ARE TRANSMITTED as checked below:

For Approval	Approved as Submitted	Resubmit _____ Copies for Approval
For Your Use	Approved as Noted	Submit _____ Copies for Distribution
As Requested	Returned for Corrections	Return _____ Corrected Prints
For Your Review and Comment		For Shop Drawing Preparation

FOR BIDS DUE _____

RETURN PRINTS AFTER LOAN TO USE

Remarks:

Copy To: _____ Signed:  _____

Michels Corporation

817 Main Street

PO Box 128, Brownsville, WI 53006

Phone: 920.583.3132

Fax: 920.583.3429



January 26, 2023

Kurt Ronnekamp
Black & Veatch
8400 Ward Parkway
Kansas City, MO 64114

RE: RFC 007 – Plugging of Hole in Wet Well Floor

Dear Mr. Ronnekamp:

Michels is submitting the following revised cost summary for the agreed upon additional work in the Wet Well Shaft to fill the hole discovered in the floor. This revision has been compiled per the request from Black and Veatch response letter dated December 22, 2023.

Michels has reviewed the previous submission and adjusted the following:

Michels has reduced manhours for Sept. 30 per comments in Black and Veatch Dec. 22 letter.

Michels has removed any mark-up on equipment or material per comments in Black and Veatch Dec. 22 letter. Mark-up has been included for the permanent plug only.

Michels has corrected the cell calculations for insurance per comments in Black and Veatch Dec. 22 letter.

Cost for crane usage and standby during work on Sept.30 has been added as it was not previously included in error.

The additional work was performed in accordance with correspondence and site discussion related to RFI 031.

The final revised cost to perform this work is \$10,265.69. A cost summary worksheet has been attached to this request for substantiation of impacts.

Please contact me if you have any questions or comments by either email cnewman@michels.us or phone (210) 860-4668.

Sincerely,

A handwritten signature in black ink, appearing to read "C. Newman".

Clayton Newman

Project Manager, Michels Trenchless
CC: Adam Stremcha, SPM



21263920 - TO 2530 RRVWSP Missouri River Intake Screen Structure & Tunnel

COST ESTIMATE - RFC 007

Item #	Description	LABOR	MATERIAL	EQUIPMENT	SUBCONTRACT	SUB-TOTAL
1	Plugging of Hole in Wet Well Floor	\$ 962.67			\$ 9,196.35	\$ 10,159.02
2						\$ -
3						\$ -
4						\$ -
5						\$ -
						\$ -

CATEGORY TOTAL	\$ 962.67	\$ -	\$ -	\$ 9,196.35	\$ 10,159.02
-----------------------	-----------	------	------	-------------	--------------

P&PB Adjustment	\$ 53.33
Total Lump Sum This Request	\$ 10,265.69

Notes:

Michels Representative Signature



 (Signature of Project Manager)

1/26/2023

 (Date)

GARY CARLSON EQUIPMENT CO. #2**253****Status: Quote**1380 W. COUNTY ROAD C
ROSEVILLE, MN 55113763-792-9123 Phone
651-789-0114 Fax

Quote #: q13228-2

www.garycarlsonequip.com

Quote To: Wed 9/28/2022 9:00AM

Operator: MARTY REINERTSON
Terms: On Account

Customer #: 7734

MICHELS TRENCHLESS, INC
817 MAIN ST
PO BOX 128
BROWNSVILLE, WI 53006

Phone 920-924-4300

Ordered By: CLAYTON 210-860-4668

Delivery Wed 9/28/2022 9:00AMCLAYTON 210-860-4668
RESIDENCE INN - BISMARCK NORTH
3421 N 14TH ST
BISMARCK, ND 58503

Qty	Items Rented	Each	Price
1	CHERNE 511088 4-8IN HI PRESS BYPASS PLUG	\$1,948.86	\$1,948.86
1	CHERNE 278188 HYDRO TEST PUMP HP PLUG	\$584.54	\$584.54
1	CHERNE 276028 PURGE HOSE HP PLUGS	\$337.37	\$337.37
1	CHERNE 276008 FILL HOSE HP PLUGS	\$253.08	\$253.08
1	FREIGHT - COMMON CARRIER	\$0.00	\$0.00

All used equipment is sold as-is with no expressed warranties or guarantees.

Quote

This is a Quote Only

Sales:	\$3,123.85
Subtotal:	\$3,123.85
D NORTH DAKOTA TAX:	\$218.67
Total:	\$3,342.52
Paid:	\$0.00
Amount Due:	\$3,342.52

Signature:

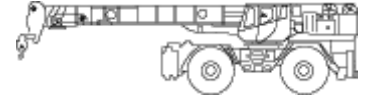
MICHELS TRENCHLESS, INC

253

www.equipmentwatch.com

All prices shown in US dollars (\$)

November 9, 2022

Rental Rate Blue Book®
Link-Belt RTC-8090 SERIES II (disc. 2013)
 Rough Terrain Hydraulic Cranes

 Size Class:
66.0 - 80.9 MTons
 Weight:
79919 lbs
Configuration for RTC-8090 SERIES II (disc. 2013)

Axle Configuration	4 X 4	Maximum Boom Length	140.0 ft
Maximum Lift Capacity	80.0 mt	Power Mode	Diesel

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	USD \$30,185.00	USD \$8,450.00	USD \$2,115.00	USD \$320.00	USD \$162.87	USD \$334.38
Adjustments						
Region (100%)	-	-	-	-		
Model Year (2013: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	USD \$30,185.00	USD \$8,450.00	USD \$2,115.00	USD \$320.00	USD \$162.87	USD \$334.38

Non-Active Use Rates

	Hourly
Standby Rate	USD \$78.89
Idling Rate	USD \$217.94

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	29%	USD \$8,753.65/mo
Overhaul (ownership)	54%	USD \$16,299.90/mo
CFC (ownership)	6%	USD \$1,811.10/mo
Indirect (ownership)	11%	USD \$3,320.35/mo
Fuel (operating) @ USD 5.03	29%	USD \$46.43/hr

Revised Date: 4th quarter 2022

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ADAM STREMCHA
 (astremcha@michels.us)

RRVWSP Work Plan Update
April 4, 2023

CONSTRUCTION

Wet Well Construction Contract 1

The project is closed with the final payment sent in April, 2023.

Pipeline Construction

Contract 5A

Final completion has been achieved, and close out papers are being generated. To date, \$8,393,396.44 has been paid on the current contract amount of \$8,393,396.44.

Reclaimed Property



Typical Air Release Manhole



Contract 5B

The original pipe delivery of June 15 was delayed due to a surface blemish in the steel coil. To date, 6,741 feet have been installed out of the nine miles. High groundwater has slowed the pipe installation progress.

To date, \$7,446,780.51 has been paid on the original contract amount of \$45,961,700.00. Change Order No. 1 has been approved for -\$1,410,437.41 for the current contract price of \$44,551,262.59.



Example of 150-Foot ROW

Discharge Structure Construction

Final payment has been made. Original contract amount was \$1,516,955 plus Change Order No. 1 for \$4,929 for a final contract price of \$1,521,884.

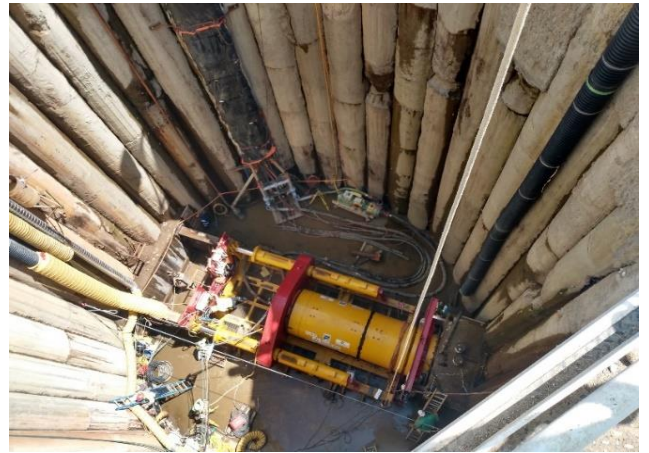
Missouri River Intake Tunnel and Screen Final Design Contract 2

As the apparent low bidder at \$18,896,900, Michels was issued notice of award on June 9, 2021. Michels is working on removing and restoring temporary construction items near the cofferdam site. Tunneling began on July 12, 2022, and holed through the cofferdam on August 6. Currently, the contractor is working on the divider walls inside the wet well. To date, \$14,244,293.03 has been paid on the original contract amount of \$18,896,000.00. Four change orders have been approved for a current contract price \$19,320,615.60.

Site Overview



Launching the MTBM



Concrete Pour on Divider Wall Inside the Wet Well



DESIGN

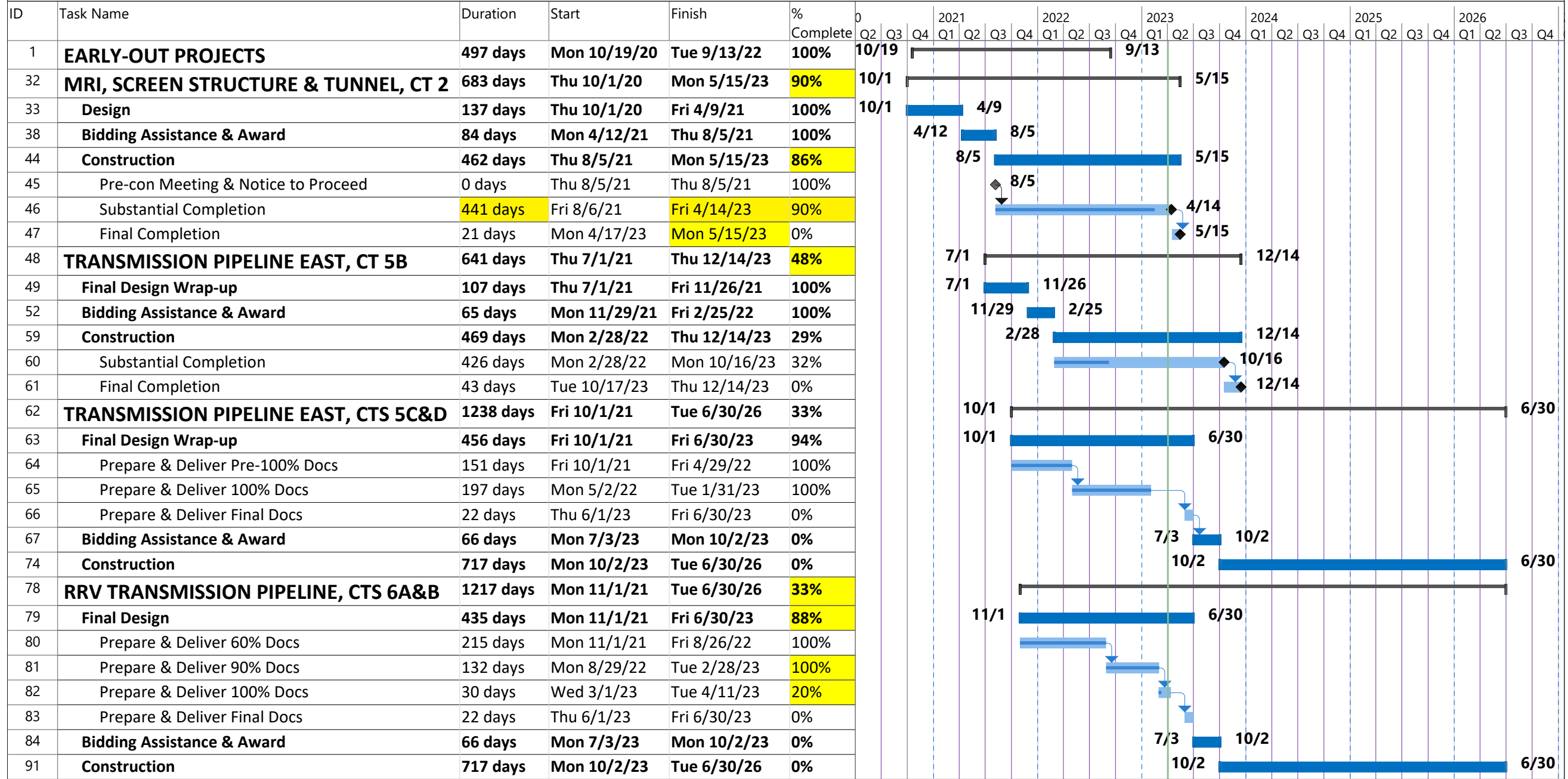
Pipeline segments 5C (8 miles), 5D (10 miles) are at 99% complete, and Contract 6 (25 miles) is at 90% complete.

The design team is also working with Reclamation and USFWS routing the pipeline through wetland and other various existing easements.

2020-2026 Schedule
Red River Valley Water Supply Project

23-4 GDCD RRVWSP 2020-26 Schedule.mpp

Mon 4/3/23



Red River Valley Water Supply Project
Planning Level Budget

March 31, 2023	Percent Complete	Current Estimate	Actual Expenses	Outstanding Expenses
Conceptual Design Subtotal		\$ 5,302,130	\$ 5,302,130	\$ -
Preliminary Design Subtotal		\$ 10,217,606	\$ 10,217,606	\$ -
Final Design Completed Subtotal		\$ 10,198,949	\$ 10,198,949	\$ -
Financial, Administration, Legal, Completed		\$ 1,397,474	\$ 1,397,474	\$ -
Land Acquisition Completed		\$ 1,593,004	\$ 1,593,004	\$ -
Subtotal Completed		\$ 28,709,162	\$ 28,709,162	\$ -
Financial Modeling/Cost Allocation	90%	\$ 1,521,047	\$ 1,369,733	\$ 151,314
Program Management Information System	79%	\$ 113,100	\$ 88,867	\$ 24,233
Stakeholder Support	70%	\$ 398,830	\$ 277,535	\$ 121,295
Subtotal	85%	\$ 2,032,977	\$ 1,736,134	\$ 296,843
Engineering/Land Acquisitions				
Missouri River Intake - Screen Structure Design	99%	\$ 1,444,000	\$ 1,428,622	\$ 15,378
Land Acquisition 2019/2021	72%	\$ 650,000	\$ 468,300	\$ 181,700
2019 to 2021 Biennium Program Management Services	100%	\$ 166,191	\$ 166,191	\$ (0)
Project Planning, Finance, Admin, etc.	42%	\$ 433,809	\$ 183,299	\$ 250,510
Final Design Transmission Pipeline - 5b	100%	\$ 545,000	\$ 545,000	\$ (0)
Final Design Transmission Pipeline - 5c & 5d	76%	\$ 970,000	\$ 738,058	\$ 231,942
Final Design Transmission Pipeline - 6	54%	\$ 4,000,000	\$ 2,146,542	\$ 1,853,458
Geotech Transmission Pipeline - 7	0%	\$ 397,000	\$ -	\$ 397,000
Acquire Easements	14%	\$ 2,919,000	\$ 404,890	\$ 2,514,110
Admin/Finance/Legal	34%	\$ 2,739,677	\$ 934,555	\$ 1,805,122
Financial Modeling/Cost Allocation	77%	\$ 528,000	\$ 407,109	\$ 120,891
Pipeline Extensions	56%	\$ 436,000	\$ 243,878	\$ 192,122
Financial/Legal/Stakeholder	0%	\$ 583,093	\$ -	\$ 583,093
Operational Plan Phase 1	98%	\$ 106,000	\$ 104,345	\$ 1,655
Operational Plan Phase 2	39%	\$ 430,584	\$ 167,850	\$ 262,734
PMIS Procurement & Implementation	2%	\$ 498,000	\$ 8,511	\$ 489,489
Contractor Qualifications	2%	\$ 158,000	\$ 2,862	\$ 155,138
ENDAWS-Local Portion	11%	\$ 790,000	\$ 89,053	\$ 700,947
Engineering & Land Acquisition Subtotal		\$ 15,054,677	\$ 7,104,511	\$ 7,950,166
Construction				
Pipeline 5A & Trenchless	93%	\$ 10,155,978	\$ 9,410,441	\$ 745,537
Construction Contract	100%	\$ 8,393,396	\$ 8,393,396	\$ (0)
Bidding Services	100%	\$ 75,621	\$ 75,621	\$ 0
Construction Phase Services	108%	\$ 868,145	\$ 941,424	\$ (73,279)
Contingency	<i>if needed</i>	\$ 818,816	\$ -	\$ 818,816
Discharge Structure	72%	\$ 2,436,800	\$ 1,744,022	\$ 692,778
Construction Contract	100%	\$ 1,521,884	\$ 1,521,884	\$ 0
Bidding Services	100%	\$ 40,736	\$ 40,736	\$ 0
Construction Phase Services	94%	\$ 193,000	\$ 181,402	\$ 11,598
Contingency	<i>if needed</i>	\$ 681,180	\$ -	\$ 681,180
Missouri River Intake Wetwell	81%	\$ 6,186,111	\$ 5,028,202	\$ 1,157,909
Construction Contract	90%	\$ 4,950,907	\$ 4,455,949	\$ 494,958
Bidding Services	100%	\$ 36,662	\$ 36,662	\$ (0)
Construction Phase Services	88%	\$ 612,000	\$ 535,591	\$ 76,409
Contingency	<i>if needed</i>	\$ 586,542	\$ -	\$ 586,542
Missouri River Intake Screen Structure & Tunnel	72%	\$ 23,000,000	\$ 16,595,571	\$ 6,404,429
Construction Contract	74%	\$ 19,320,616	\$ 14,244,293	\$ 5,076,323
Construction Phase Services	91%	\$ 2,585,000	\$ 2,351,278	\$ 233,722
Contingency	<i>if needed</i>	\$ 1,094,384	\$ -	\$ 1,094,384
Pipeline 5B	18%	\$ 51,600,000	\$ 9,128,478	\$ 42,471,522
Construction Contract	18%	\$ 44,644,077	\$ 7,853,079	\$ 36,790,999
Construction Phase Services	28%	\$ 4,486,000	\$ 1,275,399	\$ 3,210,601
Contingency	<i>if needed</i>	\$ 2,469,923	\$ -	\$ 2,469,923
Construction Subtotal	45%	\$ 93,378,889	\$ 41,906,714	\$ 51,472,175
Total Program Budget	57%	\$ 139,175,705	\$ 79,456,521	\$ 59,719,184

Re: Branch Pipeline Reserve Funding Recommendations

During recent discussions with the City of Washburn, Washburn requested better clarification regarding how repairs would be funded on the proposed branch pipeline from the Missouri River Intake in the event of a break or other required emergency repairs/extraordinary maintenance. At the time of the inquiry from Washburn, it was realized the Project Participation Agreement (PPA) did not offer a specific approach addressing the particular issue.

PPA Exhibit E, regarding overall Red River Valley Water Supply Project (RRVWSP) Main Pipeline Operations, Maintenance, Administration, and Reserves (OMA&R), as drafted does offer detail as to how reserves are to be calculated for the Main Pipeline. In an attempt to emulate the OMA&R funding approach for the RRVWSP Main Pipeline for Branch Pipelines, the financial team has developed a series of recommendations and associated edits to PPA Exhibit E. PPA Exhibit E in its current draft form, including the proposed Branch Pipeline OMA&R funding approach, is attached to this memo for reference.

The proposed recommendations for funding Branch Pipeline reserves consists of the following three components:

- **Recommendation #1 – Branch Pipeline reserves should be funded at a consistent level with the Main Pipeline Reserves.** Currently, the recommended Main Pipeline annual reserve funding amount equals approximately 0.05% of the total Main Pipeline estimated asset value (currently estimated at \$575,000 annually in 2023\$). This value was established based upon a projected renewal and replacement analysis performed by Black & Veatch and AE2S Nexus. Consistent with the reserve funding of the Main Pipeline, it is recommended that all future Branch Pipeline users are required to contribute reserves annually to a Branch Pipeline reserve fund totaling 0.05% of their respective Branch Pipelines asset value, which is to be evaluated and adjusted annually.
- **Recommendation #2 – Branch Pipeline reserves should be placed in a common reserve fund for all proposed Branch Pipelines.** To maximize the benefits of participating in a regional project for all Branch Pipeline users regardless of their specific location, it is recommended all Branch Pipeline reserves be placed in a common reserve fund for the shared benefit of use on future renewal, replacement, and extraordinary maintenance needs.
- **Recommendation #3 – Main Pipeline reserves can be utilized for emergency repairs on Branch Pipelines in the event of insufficient funds in the Branch Pipeline reserve fund.** Given the significant difference in the projected value of the Main Pipeline reserve fund in comparison to the Branch Pipeline reserve fund, it is recommended the Main Pipeline reserve be utilized as a form of backstop for the Branch Pipeline reserve fund in the event funds are required for Branch Pipeline repairs exceeding the balance of the Branch Pipeline reserve fund. If Main Pipeline reserves are utilized for Branch Pipeline needs, it is further recommended that subsequent Branch Pipeline reserve contributions be deposited to the Main Pipeline reserve fund until a time in which all previously utilized Main Pipeline reserve funds are paid in full.

As stated, the above recommendations were developed to create consistency with the Main Pipeline OMA&R funding approach as outlined in Exhibit E of the PPA and to maximize the benefits for participating in a large regional project for Branch Pipeline users. These recommendations were presented to the Lake Agassiz Water Authority (LAWA) Financial Advisory Committee (FAC) on March 29, 2023. The LAWA FAC recommends final approval of the proposed recommendations to the LAWA Board.

Exhibit E

OMA&R Cost Responsibility of Participants, LAWA, and Garrison Diversion

October 11, 2022

Each Participant is responsible for its share of RRVWSP Operational, Maintenance, Administration, and Replacement (OMA&R) Costs. OMA&R costs are shown in Exhibit A. The formula for allocation of OMA&R costs to Participants is dependent on project operation modes, Delivery Entitlements (from Exhibit B), Tiered Cost Allocations (from Exhibit D), and Release Entitlement requests resulting in Release Refill Operations. This exhibit outlines the general approach for how OMA&R costs are allocated to the Participants. It is anticipated that if additional OMA&R costs are realized in the future, the allocation of these costs will follow this same general framework.

OMA&R costs are highly dependent upon how the Project will operate. There are numerous potential Operational scenarios (discussed in Exhibit G), but from an OMA&R cost perspective, the Project will generally have four operational modes as follows:

- **Maintenance Flow Operations** – OMA&R costs associated with meeting the 6 cfs maintenance flow requirements.
- **Direct Pipeline Delivery and Maintenance Flow Operations** – OMA&R costs associated with providing water concurrently to Direct Pipeline Users while continuing to meet the 6 cfs maintenance flow requirements.
- **Reservoir Fill and Release Refill Operations** – OMA&R costs associated with filling and/or refilling the reservoir. Under this operating mode, reservoir fill costs are shared among all Direct River Users while refill costs will be paid by Direct River Users that exercised their Release Entitlements causing the need for Release Refill Operations, along with Downstream Users who utilized Project Water.
- **Direct Pipeline Delivery and Reservoir Fill / Release Refill Operations** – OMA&R costs associated with providing water concurrently to Direct Pipeline User while filling and/or refilling the reservoir. Under this operating mode, costs associated with direct pipeline usage are paid by the Direct Pipeline Users requesting water. Reservoir fill costs are shared among all Direct River Users while refill costs will be paid by Direct River Users that exercised their Release Entitlements causing the need for Release Refill Operations, along with Downstream Users who utilized Project Water.

The estimated OMA&R costs, presented in Exhibit A, are assigned a cost classification for purposes of allocating the OMA&R costs to the Participants. The cost categories and classifications are shown in Table E.E.1. Near-Term Capital Reserve Costs have been included with the Fixed MA&R Costs classification are based on the estimated replacement need for recurring replacement assets (equipment, mechanical, electrical, etc.) average over the first 20-years of project operations. The Long-Term Renewal and Replacement Costs are costs associated with repair and replacement of long-life assets (piping, concrete, facilities, etc.). These costs have not currently been estimated. While these long-term costs will eventually be realized, it is assumed that the Near-Term Capital Reserve costs will

cover the routine repair and replacement needs and keep the Project will be in good working order through construction and into the first decades of operations. The Long-Term Renewal and Replacement Costs can be deferred for approximately the first 20 to 25 years after project commissioning. The method for assigning OMA&R costs to the Participants is based on the cost classifications shown in Table E.E.2 and Table E.E.3.

Branch Pipeline OMA&R Cost Responsibility

In addition to the OMA&R costs presented in Exhibit A and allocated to participants based on the methodology above, OMA&R costs for branch pipelines will be the responsibility of applicable branch pipeline users. Branch Pipeline OMA&R costs are allocated to branch pipeline users as follows:

- **Variable Operating** – Paid directly by branch pipeline users who are requesting deliveries on their branch system. Multiple users on the same branch system would split costs proportionately based on actual water use.
- **Fixed Operating and Maintenance** – Paid directly by all users of a branch pipeline system proportionate to nomination.
- **Administrative** – Costs will be covered by administrative costs contributions to the core system. No additional administrative costs are anticipated to be required of the branch systems.
- **Near-Term Reserve** – Near-term annual reserve targets will be established for each branch pipeline system based on a percentage of the branch pipeline system asset value (example approach: 0.05% of asset value to be funded annually after branch pipeline system commissioning and start-up). Users of branch pipeline systems will begin paying near-term reserve costs when their respective branch pipeline begins construction and will be split between users of the same branch system based on nomination. Near-term reserve contributions from all branch system users regardless of location will be pooled and used on extraordinary maintenance and/or systems failures on any of the branch pipeline systems. In the event that branch pipeline reserves are insufficient, near-term reserve contributions from the core system can be utilized to supplement branch pipeline needs, with future branch pipeline reserve contributions transferred to the core system reserve fund until such time original core system reserve contributions are fully paid back.
- **Long-Term Replacement & Renewal** – deferred until after branch systems are operational and initial debt is near retirement.

Table E.E.1 – OM&R Cost Categories and Cost Classifications:

Cost Category		Cost Classification
Operational	Chemicals (Treatment)	Variable Operating Costs
	Power (Pumping & WTP)	Variable Operating Costs
	RRV Operations (Labor)	Increased Operation Labor
	Contingency (10%)	Variable Operating Costs
Maintenance and Administration	Maintenance (Labor, Equipment, Contractors)	Fixed MA&R Costs
	Administrative (Legal, Insurance, Financial Management, Engineering Management))	Fixed MA&R Costs
	Contingency (10%)	Fixed MA&R Costs
Renewal and Replacement	Near-Term Capital Reserve Costs	Fixed MA&R Costs
	Long-Term Renewal/Replacement Costs	TBD/Deferred

Table E.E.2 – OMA&R Cost Classifications and Allocation Methodology

Cost Classification	Description	Allocation Methodology
Fixed MA&R Costs	Fixed costs for maintenance, administration, and replacement that do not change with Project operating flow rate.	Paid by all Participants following the Tiered Cost Allocation from Exhibit D.
Increased Operation Labor	Fixed costs for additional operating labor required generally when the Project is delivering water to Lake Ashtabula. During Maintenance Operations and Direct Pipeline Delivery Operations this cost is not incurred.	Paid by Direct River Users based on Delivery Entitlements for reservoir filling operations and/or based on exercised Release Entitlements and costs incurred during the resulting Release Refill Operations.
Variable Operational Costs	Variable costs associated with Project operating. These costs increase based on Project operating flow rate and includes costs for reservoir filling requirements due to natural losses and spillage.	Costs determined on a unit basis (per cfs) and applied to Participants dependent on operating mode, see Table E.E.3.

Table E.E.3 – OMA&R Variable Operational Cost Allocation Methodology

Project OM&R Operating Mode	Variable Operational Cost Allocation Methodology
Maintenance	Paid by all Participants following the Tiered Cost Allocation from Exhibit D.
Direct Pipeline Delivery	Directly charged to Direct Pipeline Users requesting delivery.
Reservoir Fill	Paid by all Direct River Users based on Delivery Entitlements from Exhibit B.
Reservoir Release Refill	Paid by Direct River Users (and potentially Downstream Users benefiting from releases and Upstream return flows) based on costs incurred when exercising their Release Entitlements causing the need for Release Refill Operations.

The cost categories, shown in Table E.E.1, are either fixed in that they do not change with increased operating flows or variable in that they change depending on what flow rate the project is operating at. A summary of anticipated monthly OMA&R cost estimates at various Project flow rates is provided as Table E.E.4 where the fixed costs are constant and the variable costs increase as the Project operates closer to the design capacity of 165 cubic feet per second (cfs). The Increased Operation Labor Costs category are costs associated with the need to increase operational staff during reservoir fill and/or refill operations. The exact flow rate that triggers this increase is yet to be determined and is currently estimated as occurring between a Project operating flow rate between 20 and 30 cfs.

Table E.E.4 – Monthly OMA&R Cost Estimates (2022\$) at Various Operating Flow Rates:

	Project Operating Flow Rate				
	6 cfs	20 cfs	30 cfs	65 cfs	140 cfs
Fixed MA&R Costs	213,900	213,900	213,900	213,900	213,900
Increased Operation Labor Costs		Note 1	96,100	96,100	96,100
Variable Operational Costs	29,900	91,086	136,792	318,555	914,483
Total	\$243,800	\$304,986	\$446,792	\$628,555	\$1,224,483

Note 1: Cost for Increased Operations is included in the MA&R costs at 20 cfs.

To demonstrate the OMA&R costs responsibilities of Project Participants, six example scenarios have been developed that bookend the various ranges of potential project operation as noted in Table E.E.5. In these examples, it is assumed that all Project Development Agreement (PDA) Participants continue to participate in the project and have beneficial use access to project water. In the near-term, if a Participant does not have operational access to the water, the OMA&R cost associated with Direct Pipeline, Reservoir Fill, or Release Refill will not apply and will not be charged to those Participants. Because of the need to provide maintenance flows through the entire Project pipeline, the amount of maintenance flow required will change based on pipeline delivery volume and location. This is demonstrated in Example 2. The additional examples show how costs are assigned to various Participants based on project operating modes, flow rates, and release requests.

Table E.E.5 – OMA&R Operating Cost Scenarios:

		Direct Pipeline Delivery	
		NO	YES
Reservoir Fill / Refill	NO	Maintenance Operations <ul style="list-style-type: none"> Fixed MA&R Costs – paid by all Participants (tiered) Variable Operational Costs <ul style="list-style-type: none"> Maintenance Flow – paid by all Participants (tiered) 	Direct Pipeline Delivery & Maintenance Operations <ul style="list-style-type: none"> Fixed MA&R Costs – paid by all Participants (tiered) Variable Operational Costs <ul style="list-style-type: none"> Maintenance Flow – paid by Participants (tiered) and flow required depending upon location of Direct Pipeline Use Direct Pipeline – directly charged to users requesting flows based on actual incremental Operational costs
	YES	Reservoir Fill / Refill Operations <ul style="list-style-type: none"> Fixed MA&R Costs – paid by all Participants (tiered) (Fixed) Increased Operation Labor Costs <ul style="list-style-type: none"> Fill Use – paid by all Direct River Users (proportional to nomination) Refill Use – paid by Direct River Users (proportional to reservoir releases / requests) Variable Operational Costs <ul style="list-style-type: none"> Maintenance Flow – n/a Reservoir Fill – paid by all Direct River Users (proportional to nomination) * Release Refill – paid by Direct River Users (proportional to reservoir releases) 	Direct Pipeline Delivery & Reservoir Fill / Refill Operations <ul style="list-style-type: none"> Fixed MA&R Costs – paid by all Participants (tiered) (Fixed) Increased Operation Labor Costs <ul style="list-style-type: none"> Fill Use – paid by all Direct River Users (proportional to nomination) Refill Use – paid by Direct River Users (proportional to reservoir releases / requests) Variable Operational Costs <ul style="list-style-type: none"> Maintenance Flow – n/a Reservoir Fill – paid by all Direct River Users (proportional to nomination) * Release Refill – paid by Direct River Users (proportional to reservoir releases) Direct Pipeline – directly charged to users requesting flows

* Includes costs for reservoir filling requirements due to natural losses and spillage. In the near-term, if a Participant does not have operational access to Project water, OMA&R cost associated Reservoir Fill will not apply to them.

OMA&R Example 1: Maintenance Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 0 cfs
- Reservoir Fill = 0 cfs
- Reservoir Release Refill = 0 cfs
- Maintenance Flow = 6 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$4,983 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766			19,956				162,722
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840			4,311				35,152
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735			1,361				11,096
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675			234				1,909
Carrington / Carrington JDA	2.50		0.759 %	1,623			227				1,849
Others	28.43	26.89 (19.2%)	12.745 %	27,262			3,811				31,073
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$0	\$0	\$29,900	\$0	\$0	\$0	\$243,800

1. Direct River Users Nominations are nominations only within the RRV User Group that access Project water from the river system
2. Tiered Cost Allocation from Exhibit D
3. Allocated based on Tiered Cost Allocation
4. Allocated based on Direct River Users Nomination and release requests requiring reservoir refill (in the near-term these cost would only be paid by users that have access to project water; however, cost are shown to all applicable users as if they had access)
5. Allocated based on Direct Pipeline Use (if any) and Tiered Cost Allocation
6. Charged to Direct Pipeline Users requesting the water

OMA&R Example 2: Direct Pipeline Delivery & Maintenance Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 5 cfs to Stutsman Rural Water / Jamestown (≈ 60% down the Project length)
- Reservoir Fill = 0 cfs
- Reservoir Release Refill = 0 cfs
- Maintenance Flow = 4 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$4,756 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766			12,696				155,462
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840			2,743				33,583
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735			866	23,778			34,379
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675			149				1,824
Carrington / Carrington JDA	2.50		0.759 %	1,623			144				1,767
Others	28.43	26.89 (19.2%)	12.745 %	27,262			2,424				29,686
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$0	\$0	\$19,023	\$23,778	\$0	\$0	256,701

OMA&R Example 3: Reservoir Fill Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 0 cfs
- Reservoir Fill = 140 cfs
- Reservoir Release Refill = 0 cfs
- Maintenance Flow = 0 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$6,532 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766	57,376				545,989		746,131
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840	19,263				183,301		223,404
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735							9,735
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675	1,028				9,785		12,488
Carrington / Carrington JDA	2.50		0.759 %	1,623							1,623
Others	28.43	26.89 (19.2%)	12.745 %	27,262	18,433				175,408		221,103
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$96,100	\$0	\$0	\$0	\$914,483	\$0	\$1,224,483

OMA&R Example 4: Reservoir Fill and Refill Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 0 cfs
- Reservoir Fill = 120 cfs
- Reservoir Release Refill = 20 cfs to Fargo / West Fargo / Cass Rural
- Maintenance Flow = 0 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$6,532 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766	49,180	13,729			467,991	130,640	804,305
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840	16,511				157,115		204,466
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735							9,735
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675	881				8,387		10,943
Carrington / Carrington JDA	2.50		0.759 %	1,623							1,623
Others	28.43	26.89 (19.2%)	12.745 %	27,262	15,800				150,350		193,411
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$82,371	\$13,729	\$0	\$0	\$783,843	\$130,640	\$1,224,483

OMA&R Example 5: Direct Pipeline Delivery & Reservoir Fill Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 5 cfs to Stutsman Rural Water / Jamestown (≈ 60% down the Project length)
- Reservoir Fill = 140 cfs
- Reservoir Release Refill = 0 cfs
- Maintenance Flow = 0 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$6,679 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766	57,376				558,306		758,447
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840	19,263				187,436		237,539
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735				33,397			43,132
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675	1,028				10,005		12,708
Carrington / Carrington JDA	2.50		0.759 %	1,623							1,623
Others	28.43	26.89 (19.2%)	12.745 %	27,262	18,433				179,365		225,060
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$96,100	\$0	\$0	\$33,397	\$935,112	\$0	\$1,278,509

OMA&R Example 6: Direct Pipeline Delivery & Reservoir Fill and Refill Operations (Estimated Monthly Costs in 2022\$)

- Pipeline Delivery Flow Rate = 5 cfs to Stutsman Rural Water / Jamestown (≈ 60% down the Project length)
- Reservoir Fill = 120 cfs
- Reservoir Release Refill = 20 cfs to Fargo / West Fargo / Cass Rural
- Maintenance Flow = 0 cfs

Participants	All Participants Nominations (cfs)	Direct River Users Nominations (cfs)	Tiered Cost Allocation (%)	Fixed Costs			Variable Operational Costs (\$6,679 per cfs per month)				Total Monthly OMA&R Costs (2022\$)
				Fixed MA&R Costs	Increased Operation Labor		Maintenance Flows	Direct Pipeline	Reservoir Fill	Reservoir Release Refill	
					Reservoir Fill	Reservoir Refill					
Fargo / West Fargo / Cass Rural	83.70	83.70 (59.7%)	66.744 %	142,766	49,180	13,729			478,548	133,587	817,809
Grand Forks / East Grand Forks	28.10	28.10 (20.0%)	14.418 %	30,840	16,511				160,659		208,011
Stutsman Rural Water / Jamestown	15.00		4.551 %	9,735				33,397			43,132
Valley City	1.50	1.50 (1.1%)	0.783 %	1,675	881				8,576		11,132
Carrington / Carrington JDA	2.50		0.759 %	1,623							1,623
Others	28.43	26.89 (19.2%)	12.745 %	27,262	15,800				153,741		196,803
Total	159.23	140.19 (100%)	100.000 %	\$213,900	\$82,371	\$13,729	\$0	\$33,397	\$801,524	\$133,587	\$1,278,509

**GARRISON DIVERSION CONSERVANCY DISTRICT
WATER ASSISTANCE GRANT PROGRAM
OUTSTANDING PROJECTS
June 1, 2021 to March 31, 2023**

COUNTY	Sponsor	PROJECT	GRANT APPROVAL DATE	OUTSTANDING PROJECTS	PROJECTS APPROVED 2023	EXPENDITURES 1-1-21 to 12-31-22	EXPENDITURES 1-1-23 to 03-31-23	AMOUNTS RETURNED TO PROGRAM	BALANCE REMAINING 03-31-23
Bureigh	SCRWD	Leier, Tavi	08-15-22	\$ 1,351.00					\$ 1,351.00
McKenzie	MCWRD	Heiser, Lynn	08-15-22	\$ 6,188.00					\$ 6,188.00
Nelson	TCRWD	Reinhart, Marlin	08-11-21	\$ 10,000.00					\$ 10,000.00
Ramsey	GRWD	Klemetsrud, Scott	05-18-22	\$ 1,650.00					\$ 1,650.00
Ramsey	GRWD	Lacina, Tane	08-15-22	\$ 5,550.00		\$ 4,125.00			\$ 1,425.00
Renville	USWD	Frame, Jane	05-18-22	\$ 6,550.00					\$ 6,550.00
Richland	SEWUD	Andvik, Bruce & April	08-11-21	\$ 10,000.00			\$ 10,000.00		\$ -
Richland	SEWUD	Wolters, Andy	08-15-22	\$ 8,475.00					\$ 8,475.00
Stutsman	SRWD	Carlson, Layne	06-01-21	\$ 9,000.00					\$ 9,000.00
Stutsman	SRWD	Carlson, Ryan	06-01-21	\$ 9,000.00					\$ 9,000.00
Stutsman	SRWD	Christenson, Gordon	06-01-21	\$ 1,500.00					\$ 1,500.00
Stutsman	SRWD	Dunwoody, Clint	06-01-21	\$ 10,000.00					\$ 10,000.00
Stutsman	SRWD	Sabinash, Mike	06-01-21	\$ 10,000.00					\$ 10,000.00
Stutsman	SRWD	Reich, Becky	08-11-21	\$ 4,500.00					\$ 4,500.00
Stutsman	SRWD	Wahl, John	05-18-22	\$ 1,630.00					\$ 1,630.00
Ward	NPRWD	Hendrickson, Joann & Duwayne	08-15-22	\$ 2,197.00					\$ 2,197.00
Ward	NPRWD	Keller, Dean	08-15-22	\$ 1,182.00					\$ 1,182.00
Ward	NPRWD	Wing, Michael & Crystal	08-15-22	\$ 2,469.00					\$ 2,469.00
Wells	CPWD	Schmaltz, Jeremy	10-06-22	\$ 10,000.00			\$ 10,000.00		\$ -
		City of Hannaford	2/10/2023	\$ 20,000.00			\$ 20,000.00		\$ -
TOTALS				\$ 131,242.00	\$ -	\$ 4,125.00	\$ 40,000.00	\$ -	\$ 87,117.00

GARRISON DIVERSION CONSERVANCY DISTRICT
MR&I Project Construction Report
March 31, 2023

Current Funding

Project	Federal MR&I Funding	Prior MR&I Fund Expenditures	2023 MR&I Fund Expenditures	Total Expenditures	Federal MR&I Funding Remaining
ENDAWS	\$ 2,370,000.00	\$ 240,772.30	\$ 116,807.65	\$ 357,579.95	2,012,420.05
NAWS-Biota Treatment Plant	\$ 52,179,851.15	\$ 35,750,453.72	\$ 5,666,722.71	\$ 41,417,176.43	10,762,674.72
Biota WTP Ultra Violet Reactor	\$ 707,125.00	\$ 362,659.00	\$ 9,392.00	\$ 372,051.00	335,074.00
Biota WTP Dissolved Air Flotation Equip	\$ 1,843,870.00	\$ 80,500.00	\$ 1,275,250.00	\$ 1,355,750.00	488,120.00
NAWS-Westhope All Seasons III	\$ 4,186,000.00	\$ 3,415,729.46		\$ 3,415,729.46	770,270.54
NAWS-Glenburn to Renville	\$ 3,058,343.00	\$ 2,689,518.18		\$ 2,689,518.18	368,824.82
NAWS-Westhope to Souris River	\$ 3,514,026.00	\$ 3,210,130.47		\$ 3,210,130.47	303,895.53
NAWS-Souris Corner to Bottineau	\$ 3,000,000.00	\$ 2,943,369.46		\$ 2,943,369.46	56,630.54
Totals	\$ 70,859,215.15	\$ 48,693,132.59	\$ 7,068,172.36	\$ 55,761,304.95	\$ 15,097,910.20

MUNICIPAL, RURAL AND INDUSTRIAL WATER SUPPLY PROGRAM

March 30, 2023

Mr. Alan Walter, Chairman
Garrison Diversion Conservancy District
PO Box 140
Carrington, ND 58421-0140

RE: Federal MR&I Program – FY2023 Funding – NAWS and ENDAWS

Dear Alan:

This request is to allocate \$14,528,625 of fiscal year (FY) 2023 federal Municipal, Rural, and Industrial Water Supply (MR&I) Program funding with \$12,700,000 to the Northwest Area Water Supply (NAWS) Project, \$1,500,000 at 75 percent for continuing pipeline design on the Eastern North Dakota Alternative Water Supply Project (ENDAWS), and \$328,625 for state MR&I program administration.

The NAWS Biota Water Treatment Facility Phase I construction contracts (Contract 7-2A/4-1A) have an estimated completion of June 2024. The NAWS Biota Water Treatment Facility was determined to be 100 percent federal funding responsibility and the FY 2023 funds should be sufficient to cover the remaining federal balance for Phase I.

The new federal funding has additional construction bidding requirements and since the existing Phase I construction contracts have not received a waiver to use the new funding, a reallocation is requested of FY 2021 and FY 2022 funds to increase the FY 2022 funding available for Phase I. The request is to reallocate FY 2022 funding of \$2,400,000, with \$1,720,000 from ENDAWS and \$680,000 from state administration to NAWS. Then, reallocate NAWS FY 2021 funding of \$2,018,173, with \$1,720,000 to ENDAWS and \$298,173 to state administration. Future MR&I funds can cover the remaining state administration costs. This request is to be considered by the State Water Commission at their April 13, 2023, meeting. A State Municipal, Rural, and Industrial Water Supply Program Federal Funding Summary is attached.

I recommend the Garrison Diversion Conservancy District approve the allocation of FY 2023 federal MR&I funding of \$14,528,625, the reallocation of FY 2022 funding of \$2,400,000, with \$1,720,000 from ENDAWS and \$680,000 from state administration to NAWS. Also, I recommend reallocation of NAWS FY 2021 funding of \$2,018,173, with \$1,720,000 to ENDAWS and \$298,173 to state administration. This approval is contingent on available funding, that the project follows Federal MR&I Program requirements, and delegates to the Secretary the ability to move funds between project elements to facilitate efficient project completion.

Sincerely,



Andrea Travnicek, Ph.D.
Secretary

AT:JM:/0237-03 / 0237-04 / 1912



Water Commission | 1200 Memorial Highway | Bismarck, ND 58504 | 701.328.4989 | DWR.nd.gov

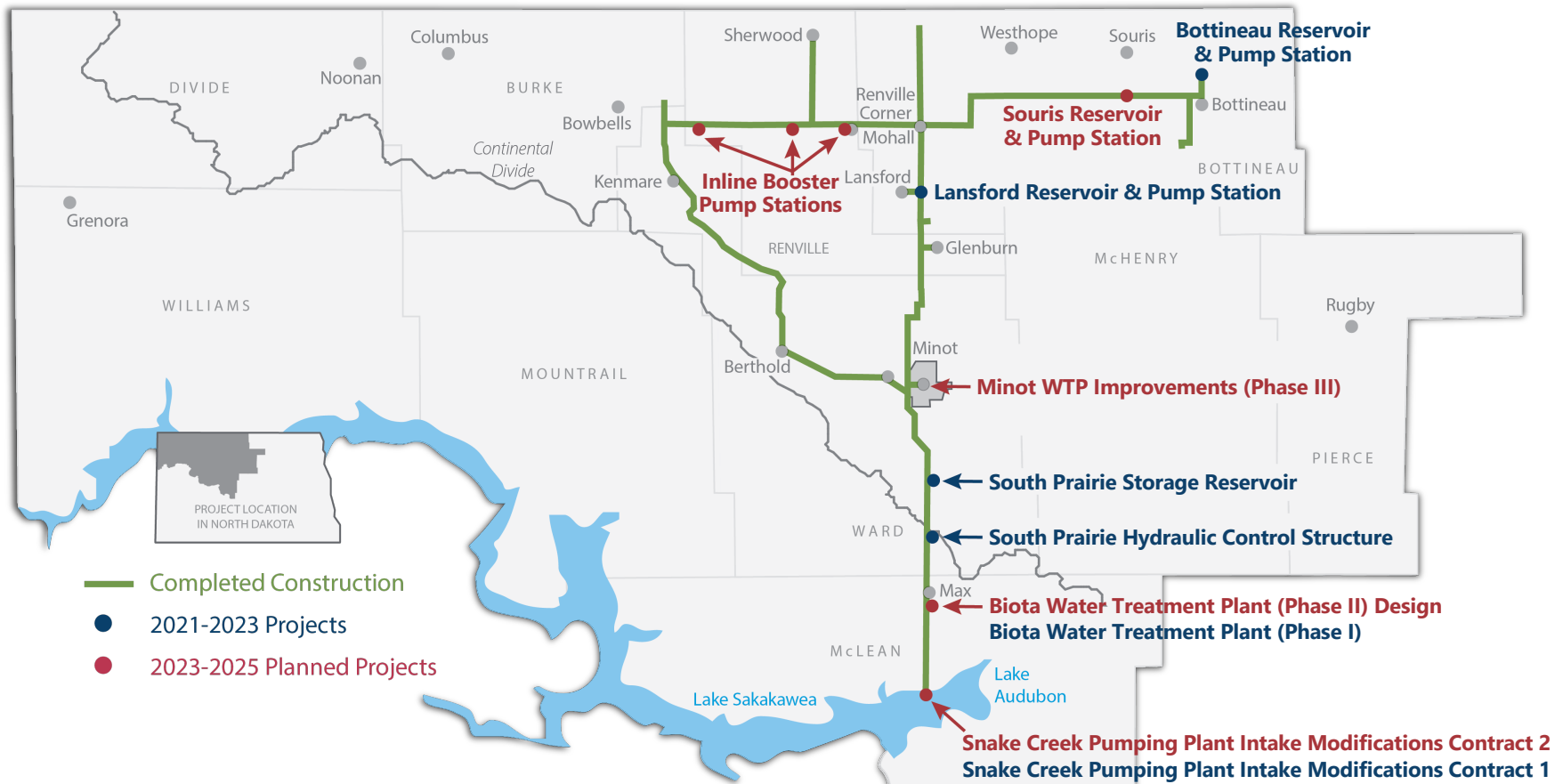
Garrison Diversion Conservancy District | PO Box 140 | Carrington, ND 58421 | 701.652.3194 | garrisondiversion.org

mri@gdcd.org

**State Municipal, Rural, and Industrial Water Supply Program
Federal Funding Summary
March 30, 2023**

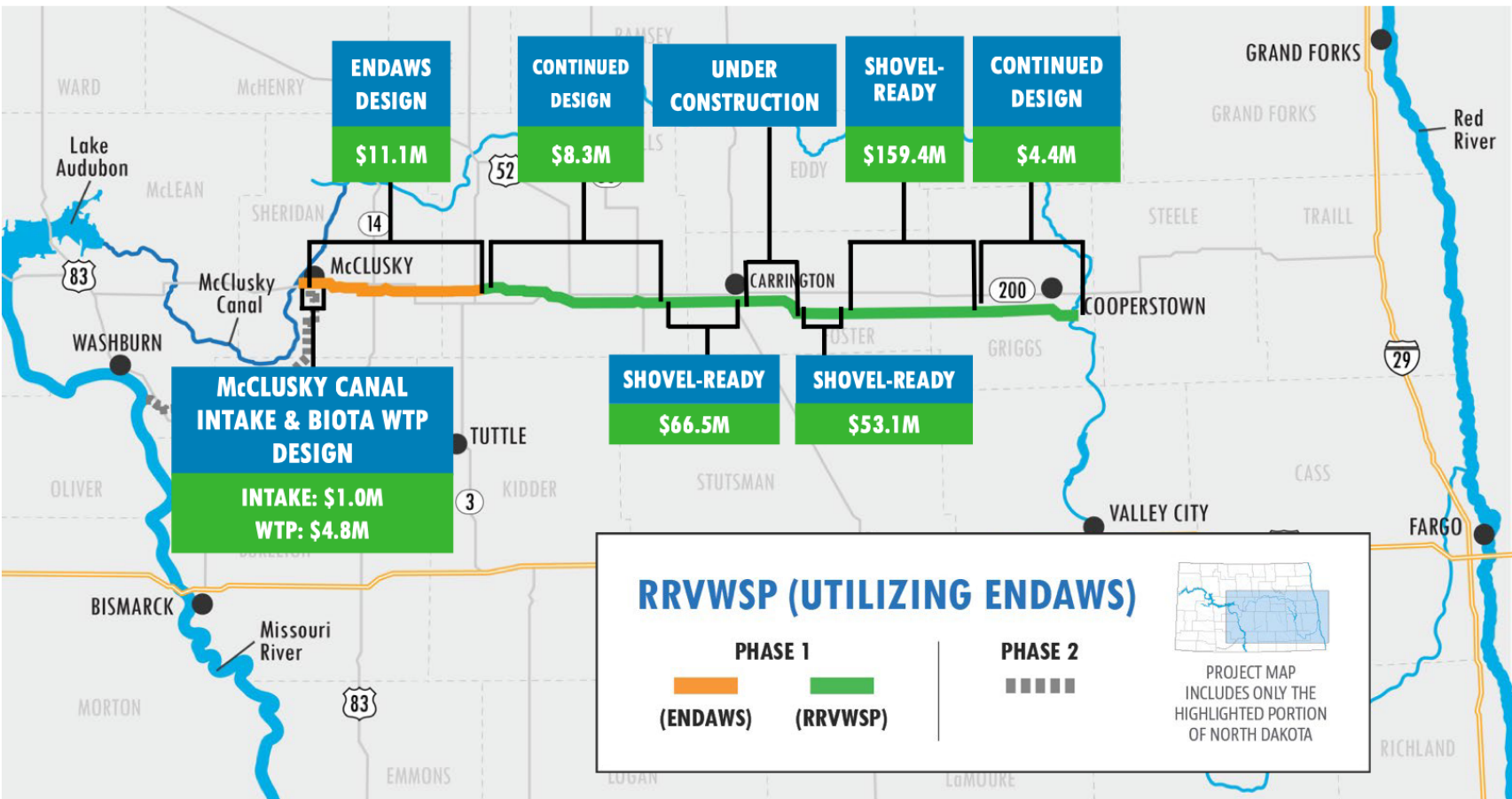
		FY2021	FY2022		FY2023	
		Appropriation	Appropriation	BIL Funds	Appropriation	BIL Funds
Budget		\$21,050,000	\$20,418,682	\$33,545,000	\$9,528,625	\$5,000,000
Total	\$89,542,307	\$21,050,000	\$53,963,682		\$14,528,625	
Project						
Northwest Area Water Supply	Approved	\$20,400,000	\$18,018,682	\$33,545,000	\$0	\$0
	Proposed	\$18,381,827	\$20,418,682	\$33,545,000	\$7,700,000	\$5,000,000
Total	\$85,045,509	\$18,381,827	\$53,963,682		\$12,700,000	
Eastern North Dakota Alternative Water Supply						
	Approved	\$650,000	\$1,720,000		\$0	\$0
	Proposed	\$2,370,000	\$0	\$0	\$1,500,000	\$0
Total	\$3,870,000	\$2,370,000	\$0		\$1,500,000	
Program Administration						
	Approved	\$0	\$680,000	\$0	\$0	\$0
	Proposed	\$298,173	\$0	\$0	\$328,625	\$0
Total	\$626,798	\$298,173	\$0		\$328,625	
Budget Summary						
	Approved	\$21,050,000	\$20,418,682	\$33,545,000	\$0	\$0
	Proposed	\$21,050,000	\$20,418,682	\$33,545,000	\$9,528,625	\$5,000,000
Total	\$89,542,307	\$21,050,000	\$53,963,682		\$14,528,625	
Estimated MR&I Ceiling Authorization Balance			\$76,010,000	\$26,192,000		\$11,663,375

Proposed NAWS Projects	Estimated Cost	Federal Share %	Federal Funds	Source
Biota Water Treatment Plant Phase I	\$7,700,000	100%	\$7,700,000	FY23 App
Bottineau Reservoir and Pump Station	\$11,385,000	65%	\$7,400,000	FY22 BIL
Snake Creek Pumping Plant Intake Contract 2	\$8,307,700	65%	\$5,400,000	FY22 BIL
Minot Water Treatment Plant Phase III	\$30,000,000	65%	\$19,500,000	FY22 BIL
Biota Water Treatment Plant Phase II Design	\$4,300,000	100%	\$4,300,000	FY22/23 BIL
Souris Reservoir and Pump Station	\$4,615,400	65%	\$3,000,000	FY23 BIL FY24 App
Inline Booster Pump Station	\$2,030,800	65%	\$1,320,000	FY24 App
Total	\$68,338,900		\$48,620,000	



NAWS PROJECT AREAS

2023-2025 WORK PLAN



TOTAL \$339M

Shovel-Ready Construction
(43 Miles of Pipeline)

Continued Design
(40 Miles of Pipeline)

ENDAWS Design
(32 Miles of Pipeline)

RRVWSP (UTILIZING ENDAWS)

PHASE 1 (ENDAWS) (Orange line)

PHASE 2 (RRVWSP) (Green line)

PROJECT MAP INCLUDES ONLY THE HIGHLIGHTED PORTION OF NORTH DAKOTA

* OTHER PROGRAM COSTS: \$29.6M

Garrison Diversion Conservancy District
Mr. Duane DeKrey
PO Box 410
Carrington, ND 58421-0140

FEB 27 2023

Mr. DeKrey

The rural water entities/managers in Northeast ND are passionate about providing water supply to all existing and future users in times of plenty and times of need (drought). A group of managers, from Northeast Regional Water District (NRWD), Walsh Rural Water District (WRWD), Agassiz Water User District (AWUD), Tri-County Water District (TCWD), and East Central Regional Water District (ECRWD), have come together to start looking at future water needs and availability in Northeast ND. As water managers, the number one thing that keeps us up at night is not having a clean, safe, and adequate water supply to provide for our customers in the most economical way.

The fear of the loss or lack of water supply has brought our systems together to help look for a solution for the future. In September of 2021 with these concerns in mind, WRWD (on behalf of Northeast ND managers) applied for an EPA Hazard Mitigation Grant. WRWD was recently notified that it was officially approved for cost share from the EPA to help fund this effort. Eighteen months have passed since the original submittal and further discussion amongst systems has expanded the scope of the report to a larger scale look of what does the next 50-years look like for the rural water supply in Northeast ND.

When outlining what the study of the next 50-years could look like, it is recognized that there is much unknown, but after careful consideration we have pared down our intended analysis to the following 4 primary items:

1. **Water Supply Availability** (How much water do we have and how much do we have access to now, in the future, and in times of drought/contamination?)
2. **Needs** (What does the next 50-years of water needs look like from a residential, agricultural, and industrial use standpoint?)
3. **Water Treatment and Distribution** (What type of treatment is required and how do we get water to where it needs to be in the future?)
4. **Governance** (Are we going to continue to operate as 5-separate water districts, or do we see opportunities to work together either in supply/treatment or in totality, to save money on fixed costs, and reduce redundancies)

The scope of what was intended for the secured EPA grant dollars and system cost-share was primarily meant to cover items 3 and 4 above. However, we still have significant outstanding questions regarding our water supply availability (through either existing aquifers or the RRVWSP) and long-term needs that we must better address to comprehensively plan for our future.

Garrison Diversion has been a key partner to our systems in the past in evaluating similar items. Whether it was through your funding support of past NDSU studies evaluating industrial water needs in the Red River Valley or through your work to support preliminary nominations for the Project

02/15/2023

Development Agreement of the RRVWSP, your expertise and understanding of the needs and water availabilities in Eastern ND has been invaluable. As we look to further our current efforts and solidify the understanding of our needs, we would like to request a partnership between GDCD and Northeast ND water districts to complete items 1 and 2 listed above, both from a financial and technical expertise standpoint.

We value GDCD's leadership in providing water to Eastern ND and look forward to a continued partnership to evaluate our future needs. We appreciate your consideration of this preliminary request, and we look forward to the opportunity to work together further to better define your potential support.

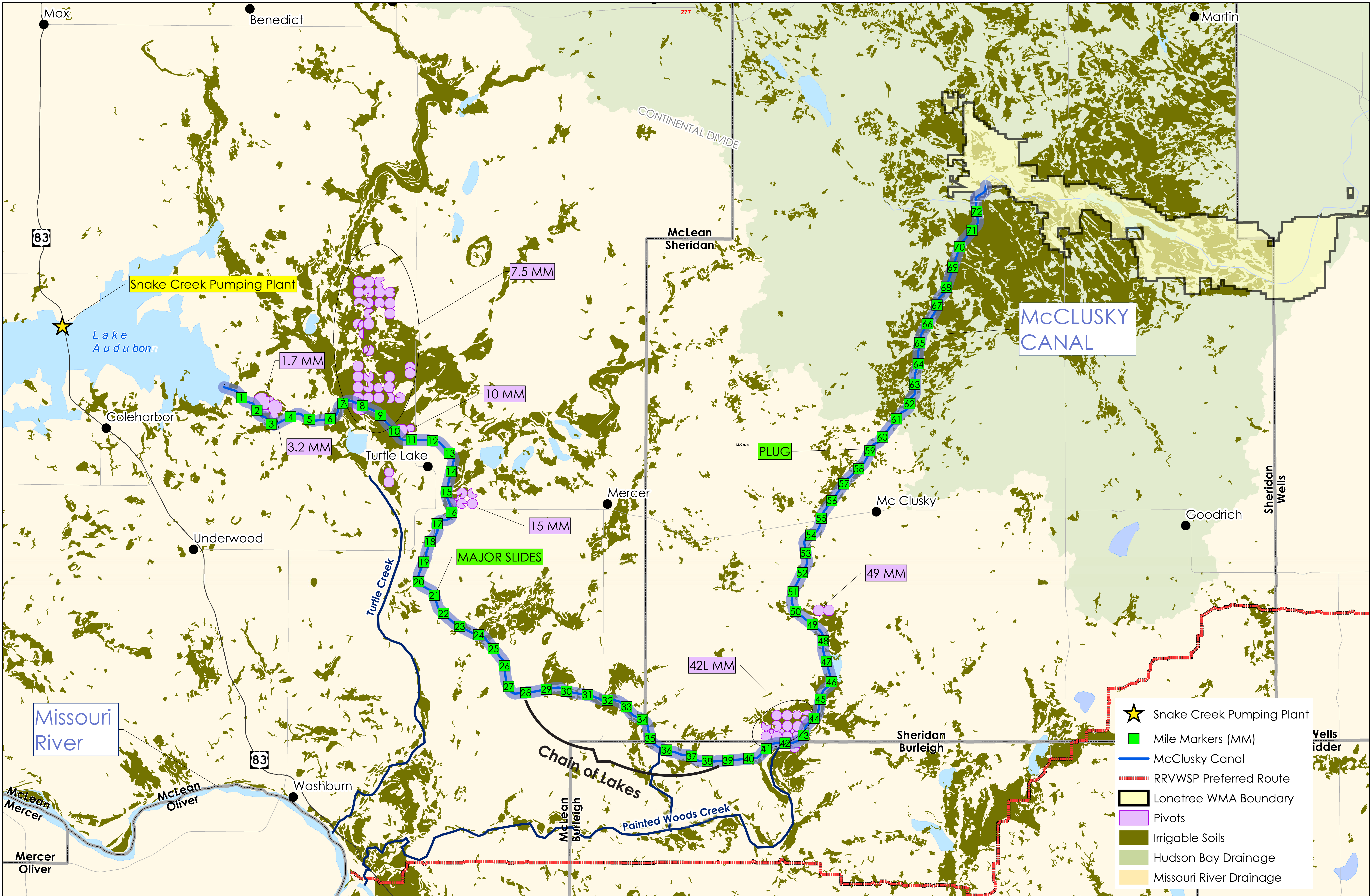
Thank You,



Walsh Rural Water District

On behalf of NRWD, AWUD, ECRWD, and TCWD

CC: Kip Kovar, Merri Mooridian, Chairman Mahoney (LAWA)



McCLUSKY CANAL

Date: 2/15/2019



Edited by: hrecords
Imagery 2015 NAIP

Coordinate System: UTM Zone 14N

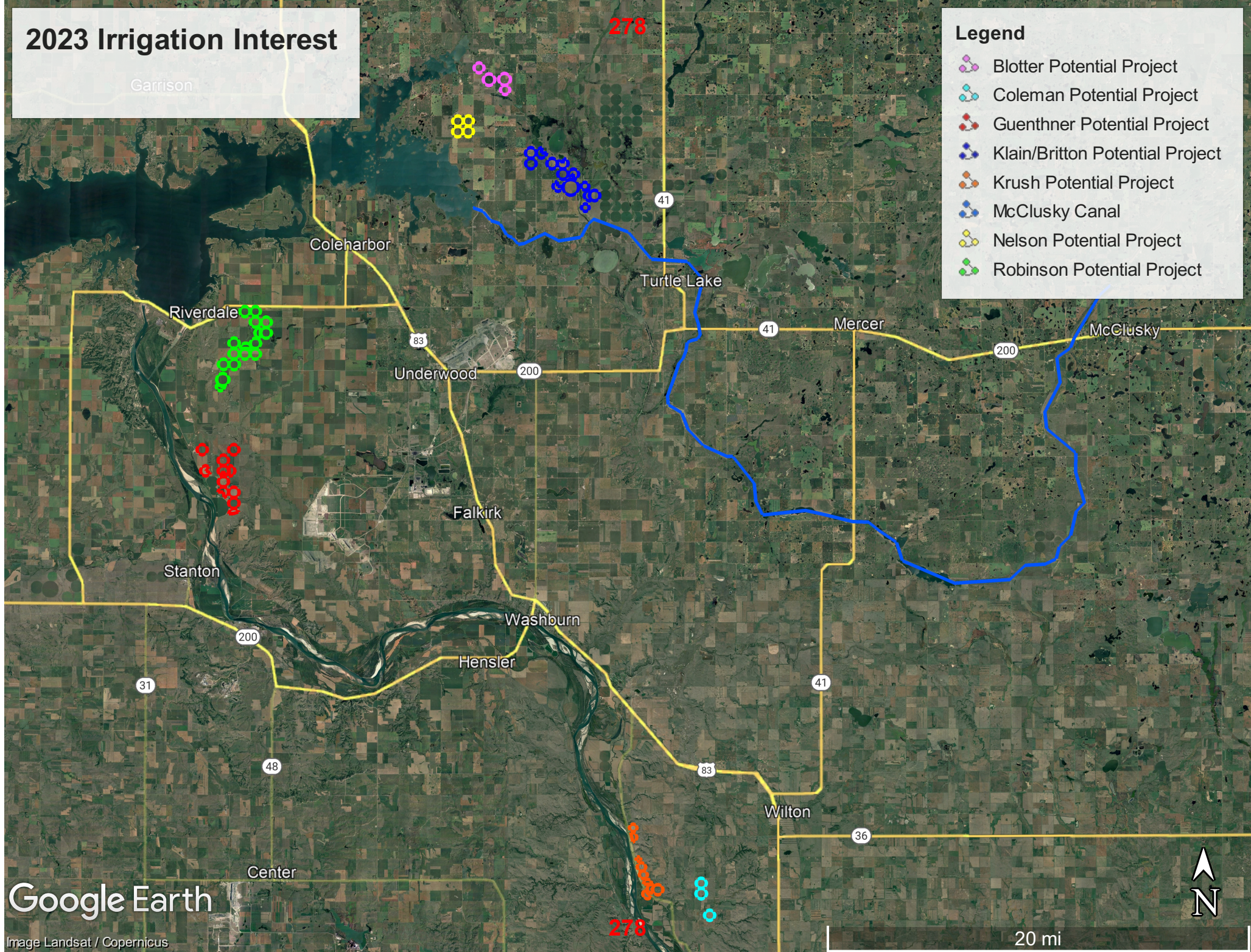
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2023 Irrigation Interest

Garrison

Legend

- Blotter Potential Project
- Coleman Potential Project
- Guenther Potential Project
- Klain/Britton Potential Project
- Krush Potential Project
- McClusky Canal
- Nelson Potential Project
- Robinson Potential Project



Google Earth

Image Landsat / Copernicus



20 mi



MAR 22 2023

March 17, 2023

CINDY HEWITT, ACCOUNTING SPECIALIST
GARRISON DIVERSION CONSERVANCY DISTRICT
PO BOX 140
CARRINGTON ND 58421

Votes = 63662

RE: NOTICE OF ANNUAL MEETING

Dear NDIRF Member Representative:

As a representative of a member of the North Dakota Insurance Reserve Fund, you are cordially invited to attend its annual meeting. The meeting is scheduled for **Wednesday, May 10, 2023, beginning at 9:30 a.m. CDT, at the North Dakota Heritage Center, 612 East Boulevard Avenue, Bismarck, ND.**

The purpose of the 2023 Annual Meeting is to review 2022 business, discuss current and future business and elect representatives in the **“Others” and “Schools” categories** to the NDIRF Board of Directors. A copy of the minutes of the 2022 Annual Meeting is enclosed.

The number of votes to which your entity is entitled is indicated at the top of this page. You may cast votes regarding NDIRF business and/or election of directors at the Annual Meeting or by signing and returning the enclosed proxy. **If your entity is represented by a NDIRF Board Member whose term expires as of the end of the 2023 annual meeting, your proxy includes directions regarding the NDIRF Board Member election.**

If you will not be able to attend the 2023 NDIRF Annual Meeting, please sign and return your proxy. For your proxy to be effective, it must be received by the NDIRF no later than May 9, 2023.

The NDIRF will serve pastries, coffee, and other beverages for those attending the meeting. To assist in the planning of the meeting, complete and return the enclosed RSVP by May 9.

The NDIRF Board of Directors looks forward to meeting with you on May 10, 2023.

Sincerely,

Scott Ouradnik
Chairperson, NDIRF Board of Directors

For North Dakota. For Local Government. For You.

PO Box 2258 • Bismarck, ND 58502 • ND WATS: 1-800-421-1988 • Local: 224-1988 • Fax: 1-701-224-0609 • www.ndirf.com

REPORT ON OUT-OF-STATE MEETING

Name: Mark J. Cook

Place: Reno, NV.

Meeting: Family Farm Alliance

Date: Feb 23 + 24

Key issues covered:

Solving Nutrients Challenges - Water Quality
 SCOTUS - & Western Water - March 17th Significant Nexus Dec.
 Young Farmers
 Reclamation Roundtable

Contact or resource people at meeting:

Name	Organization	Address/Phone	Issue
Tanya Trujillo	Interior Dept. (U.S)		Water + Science
Nick Alexander	Alexander Films		P.R. work - information and videos

New ideas or solutions that could benefit North Dakota:

P.L. - 566 Small Watershed Program - work with NRCS
 worm farming for fertilizer + organic matter

Evaluation of meeting (i.e., did you obtain information of value to your interim or standing committees?):

Yes - P.L. - 566 can be of value
 Educate our State on why we need to get and keep our water rights.

Additional comments:

Lots of interesting Discussion
 Lots of money in Infra Structure Bill + Inflation Reduction Act
 \$ 8.3 Bill and \$ 4.3 Bill - find out how to utilize it.
 They are Lining Canals with Geomembranes + Covering Canals

Mark J. Cook
 Signature

REPORT ON OUT-OF-STATE MEETING

Name: Dave Anderson

Place: Reno, NV

Meeting: FFA Conference

Date: Feb. 21-25, 2023

Key issues covered:

Drought in the west, problems of the Colorado River, the Biden Administration's infrastructure packages, farmers problems with climate change, the demonizing of agriculture by certain groups over water usage and climate change, sources of water to replenish the Colorado River-Missouri, Columbia, Platte and more snow in the right place.

Contact or resource people at meeting:

Table with 4 columns: Name, Organization, Address/Phone, Issue. Row 1: Mark Thalacker, Oregon water district, 503 704 0654, plastic pipe and turbines.

New ideas or solutions that could benefit North Dakota:

- possibly considering plastic pipe vs. steel pipe for the RRVWSP-cheaper-make on site-KRAHusaLLC
-look into USDA PL 566 program for funding for our projects
-use Columbia River to replenish the Colorado River

Evaluation of meeting (i.e., did you obtain information of value to your interim or standing committees?):

- well organized and well run meeting keeping sessions on schedule with time for questions
-good updates on western water shortages for irrigation and efficiencies gained in recent years

Additional comments:

- interesting to note that on FFA's state membership report that GDCD is the only member from ND, SD or MT

Signature

REPORT ON OUT-OF-STATE MEETING

Name:

Place:

Meeting:

Date:

Key issues covered:

Four horizontal lines for writing key issues covered.

Contact or resource people at meeting:

Name	Organization	Address/Phone	Issue

New ideas or solutions that could benefit North Dakota:

Four horizontal lines for writing new ideas or solutions.

Evaluation of meeting (i.e., did you obtain information of value to your interim or standing committees?):

Four horizontal lines for writing evaluation of meeting.

Additional comments:

Four horizontal lines for writing additional comments.

Signature

REPORT ON OUT-OF-STATE MEETING

Name: Dave Anderson

Place: Winnipeg, MB

Meeting: RRVB

Date: Jan 17-19, 2023

Key issues covered:

- climate change and its effect on the crops we grow now compared to what we used to grow
- updates on water quality of the Red River and Lake Winnipeg

Contact or resource people at meeting:

Name	Organization	Address/Phone	Issue
Ted Preister	RRBC exec. Dir.	Fargo, ND	working w/Canada/RRVWSP
Nicole Armstrong	Dir Water Management/Manitoba	Winnipeg, MB	working w/Canada/RRVWSP

New ideas or solutions that could benefit North Dakota:

- start working with Nicole and Ted to get an agreement on water treatment for the RRVWSP.

Evaluation of meeting (i.e., did you obtain information of value to your interim or standing committees?):

- well organized and well run meeting keeping sessions on schedule with time for questions

Additional comments:

Signature

2023 MEETING DATES

Garrison Diversion Conservancy District

Board of Directors

January 12 & 13

April 11 & 12

July 19-21 (Joint Summer Meeting in Dickinson)

October 19 & 20

Ag Committee

April 11

MR&I Committee

January 12, 2023

February 10, 2023

Red River Valley Committee

February 1, 2023

Executive Committee

March 8

June 16

September 14

December 14

E&O Committee

January 11

Recreation Committee

March 30, 2023



2023 Federal Water Issues Conference

Washington, D.C.

Embassy Suites Convention Center
900 10th Street NW Washington, DC, 20001

Agenda

Monday, April 17, 2023

All Day

Independent Congressional and Federal Agency Visits

Take this time to meet your congressional delegation and agency officials to discuss the issues of importance to you and NWRA.

4:00 pm
Embassy Suites

NWRA Conference Registration Opens

6:00 – 7:00 pm
Embassy Suites
Capital Ballroom B

Welcome Reception

Tuesday, April 18, 2023

6:30 am – 9:00 am
Breakfast Area

Breakfast

Complementary for hotel guests of the Embassy Suites

7:30 am – 12:00 pm
Embassy Suites

Registration & Coffee

8:00 am – 8:30 am
Embassy Suites
Capital Ballroom A

Senate Keynote Speaker - Pending

Come hear about the issues currently being discussed in the U.S. Senate and what will be on the legislative agenda in 2023.

8:30 am – 9:30 am
Embassy Suites
Capital Ballroom A

Farm Bill Panel

House and Senate Agriculture Committee Staff

Join us for a conversation with key congressional staff on the development of the next farm bill.

9:30 am – 10:00 am
Embassy Suites

Networking Break



2023 Federal Water Issues Conference

Washington, D.C.

Embassy Suites Convention Center
900 10th Street NW Washington, DC, 20001

Agenda

10:00 am – 10:30 am
Embassy Suites
Capital Ballroom A

Army Corps of Engineers

Robyn Colosimo, Deputy Assistant Secretary of the Army (Project Planning and Review)

Come hear the latest on current initiatives within the Corps, such as the Principles, Requirements and Guidelines rulemaking and their potential impacts on stakeholders.

10:30-11:00 am
Embassy Suites
Capital Ballroom A

Food Safety's Impact on Water

Dr. Jennifer McEntire – International Fresh Produce Association

Join us for a conversation on how the fresh produce industry is addressing current FDA food safety regulations and how those actions might impact raw water suppliers.

11:30 am – 12:00 pm
Embassy Suites
Capital Ballroom A

NWRA Federal Affairs Roundtable

Join us as we discuss the top priorities for water users and prepare to advocate on Capitol Hill.

1:00 pm – 5:00 pm

Independent Congressional and Federal Agency Visits

Take this time to meet your congressional delegation and agency officials to discuss the issues of importance to you and NWRA.

5:30 pm – 7:00 pm
NWRA office
4 E Street SE
Washington, DC 20003

All American Cookout

Join your NWRA friends for a relaxing evening of networking and great food (hotdogs and apple pie) before heading to the Nationals game.

7:05 pm
Nationals Stadium
1500 S Capitol St SE,
Washington, DC 20003.
(a quick walk from
the NWRA offices.)

Washington Nationals Baseball

Join your NWRA colleagues for a trip to the ballpark and see the Washington Nationals play the Baltimore Orioles. Please note, a separate ticket purchase is required. A block of tickets has been reserved for NWRA.



2023 Federal Water Issues Conference

Washington, D.C.

Embassy Suites Convention Center
900 10th Street NW Washington, DC, 20001

Agenda

Wednesday, April 19, 2023

6:30 am – 8:00 am
Breakfast Area

Breakfast

Complementary for hotel guests of the Embassy Suites

7:30 am-10:00 am

Registration & Coffee

8:00 am – 8:30 am
Embassy Suites
Capital Ballroom A

Keynote Speaker - Congressman Chuck Fleischmann

Join us for a conversation with the Chairman of the House Appropriations Subcommittee on Energy & Water Development and hear about the subcommittee agenda for 2023.

8:30 am – 9:30 am
Embassy Suites
Capital Ballroom A

Financing Our Nation's Water Infrastructure Needs

Jorianne Jernberg – U.S. EPA

Aaron M. Snyder, PMP – Army Corps of Engineers

Come listen to representatives from the U.S. EPA and Army Corps discuss initiatives designed to assist with the financing of water infrastructure projects.

9:30 am – 10:00 am
Embassy Suites

Networking Break

10:00 am – 10:30 am
Embassy Suites
Capital Ballroom A

Department of Interior Update

Gary Gold, Deputy Assistant Secretary for Water & Science

Come hear about the current Western water priorities and initiatives being carried out by the Department of Interior.

10:45 am – 11:45 am
Embassy Suites
Capital Ballroom B

NWRA Board of Directors Meeting

11:00 am – 5:00 pm

Independent Congressional and Federal Agency Visits

Take this time to meet your congressional delegation and agency officials to discuss the issues of importance to you and NWRA.