

CITY COUNCIL PROCEEDINGS

May 13, 2026

The City Council of the City of David City, Nebraska, met in open public session at 7:00 p.m. in the meeting room of the City Office, 490 E Street, David City, Nebraska. The Public had been advised of the meeting by posting in four places (City Office, U.S. Post Office, Butler County Courthouse, and Hruska Public Library). The Mayor and members of the City Council acknowledged advance notice of the meeting by signing the Agenda which is a part of these minutes. The advance notice to the Public, Mayor, and Council members conveyed the availability of the agenda, which was kept continuously current in the office of the City Clerk and was available for public inspection on the City's website. No new items were added to the agenda during the twenty-four hours immediately prior to the opening of the Council meeting.

Present for the meeting were: Council President Bruce Meysenburg, Jeremy Abel, Jim Angell, Rick Holland, Kevin Woita, City Administrator Alan Zavodny, City Administrator Intern Raiko Martinez, and City Clerk-Treasurer Lori Matchett. Mayor Jessica Miller and Council Member Keith Marvin were absent.

Also present for the meeting were: Officer Kevin Dunn, Monica Heller of Friends of David City, Doug Rix, David McPhillips, and Ethan Joy of JEO Consulting Group. City Attorney David Levy and Paul Barazzuol of Waterworth attended via Zoom.

The meeting opened with the Pledge of Allegiance.

Council President Bruce Meysenburg informed the public of the "Open Meetings Act" posted on the west wall of the meeting room and asked those present to silence their cell phones. Council President Meysenburg read the speaking guidelines for the City Council Meeting. He also reminded the public that if they speak tonight in front of the Council that they must state their name and address for the record.

Council Member Kevin Woita made a motion to approve the minutes of the April 22, 2026 meeting of the Mayor and City Council as presented. Council Member Jim Angell seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

Council Member Rick Holland made a motion to approve the claims as presented. Council Member Jeremy Abel seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

Council Member Kevin Woita made a motion to approve the claim to D-Sign Shop. Council Member Rick Holland seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Abstain (With Conflict), Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 4, Nay: 0, Absent: 1, Abstain (With Conflict): 1.

City Administrator Alan Zavodny addressed the council and public, reflecting on his first year back with the city as City Administrator and expressing appreciation for the hiring of John Kopecky, stating that he believes that Mr. Kopecky will be a strong asset moving forward.

Budget and Reserve Discussion

Mr. Zavodny discussed city reserve funds and budgeting practices, noting that reserve levels are often criticized from both directions - either too high or too low. He explained that during his early years preparing the budget independently, concerns arose from the council, leading to a more collaborative budgeting approach in later years. He also highlighted changes in the financial environment since his previous tenure, including:

- Interest rates on borrowing increasing from around 1% in past years to approximately 4-5% currently,
- Continued availability of some favorable federal grant financing,
- The importance of maintaining reserves for emergencies, storms, and unforeseen contingencies.

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Mr. Zavodny emphasized that determining the appropriate reserve balance will remain an ongoing responsibility for the council and administration.

Freedom of Information Act (FOIA) Request

Mr. Zavodny addressed the recent Freedom of Information Act request submitted to the City. He stated:

- City staff worked together to compile and provide the requested information,
- Concerns had been raised publicly regarding whether the city's response complied with the law,
- The Nebraska Attorney General's Office later confirmed the city's response was "100% compliant"

Mr. Zavodny suggested that the individual who publicly questioned the city's compliance be given the opportunity to apologize to the City Office staff and the city council if they wished.

Council Member Kevin Woita made a motion to accept the committee and officer reports, Butler County Development Board updates as presented. Council Member Jim Angell seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

Council President Bruce Meysenburg explained that Waterworth would analyze utility revenues, expenses, debt, and capital projects, along with create long-term financial models for water, sewer and electric utilities, and help the city determine fair and sustainable utility rates, while provide forecasting tools to avoid sudden large rate increases, and would allow the council to model multiple rate scenarios before making decisions.

City Administrator Alan Zavodny spoke in support of the proposal. He explained that utility rates have historically been set by ordinance and then left unchanged for many years, creating challenges when large adjustments eventually become necessary.

Key Points

- The City wants rates that are fair and equitable for all users.
- Officials are considering a possible three-tier rate structure to better accommodate low-volume residential users, medium users and high-volume users.
- Concerns were expressed that minimum charges may disproportionately affect residents with low water usage.
- The City's current water utility deficit is being subsidized by reserve funds.
- Water rates have not been broadly increased since 2017.
- Electric rates were last adjusted around 2019.
- Other communities, such as Columbus, have implemented scheduled future rate increases directly into the ordinance for predictability and planning purposes.

Paul Barazzuol, Waterworth, introduced himself and provided an overview of the platform. The presentation highlighted the software:

- Forecasts utility finances 5 - 10 years into the future
- Tracks operating expenses, debt service, and capital improvement projects
- Helps prevent major one-time utility rate hikes, allowing gradual increases over time
- Models grants, loans, infrastructure projects, and rate adjustments in real time.
- Provides visual charts and forecasting tools for council decision-making and public communication
- Helps councils make data-driven decisions,
- Maintain financial sustainable utilities,
- Improve transparency with residents,
- and ensure ratepayers are charged fairly based on actual service costs

Council members generally expressed support for the proposal, noting that previous rate studies had been costly, the city cannot continue operating utilities at a deficit, and long-term forecasting and predictable rate planning would benefit both the city and residents.

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Council Member Rick Holland made a motion to approve the proposal from Waterworth for water, sewer and electrical continuous utility rate management in the amount of \$12,900.00 for an annual subscription, pending legal review and negotiation. Council Member Kevin Woita seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.



W A T E R W O R T H™

Continuous Utility Rate Management

David City, NE

Prepared by: Paul Barazzuol

Paulb@waterworth.net

206-672-2534

Date: 04/20/2026



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Waterworth // waterworth.net





OUR MISSION

Empowering financially sustainable local government services and winning back the public trust.



YOUR GOALS

Based on conversations with David City's staff, we understand your key goal is:

Ensure proactive long-term forecasting of the water, sewer, and electric utilities

Understand long-term impacts to water, sewer and electric rates

Facilitate good communication between staff, elected officials, and the public

Related priorities:

- **Ensure services are priced equitably between customer classes**
- **Maintain a strategic financial plan that leverages the best mix of cash, debt and Government funding**
- **Maintain appropriate cash reserve policies**
- **Present data-driven recommendations**
- **Protect customer affordability while still generating the needed revenues**

Waterworth can help achieve these goals and priorities through **Continuous Utility Rate Management.**



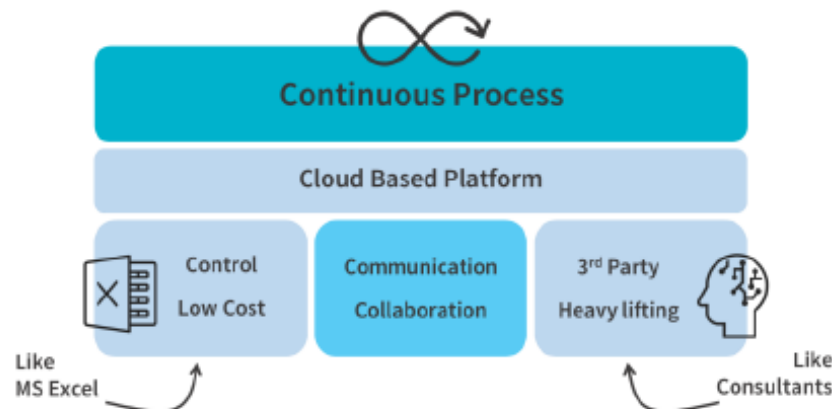
Continuous Utility Rate Management

What is it?

There are two methods of rates management commonly used today. When people want total control and low cost, they build in-house models with Microsoft Excel. We all love Excel - you can build what you want, it's flexible and practically free. It also has headaches. With Waterworth you have the control but without the headaches that come with maintaining an Excel spreadsheet. It's easy to use and very cost effective.

Other communities use rate consultants. They do an excellent job. They're experts and bring credibility to a council presentation. Similarly, the Waterworth team can step in as needed to do the heavy lifting and facilitate communications and action among staff and your elected officials.

Waterworth also addresses a critical gap by enabling easy Communication & Collaboration between individual departments, city administration and elected officials. With Waterworth, options can be carefully and efficiently reviewed, updated, reported on, compared with other scenarios. You can communicate difficult financial stories with ease so Council and the public can really buy in to the right decisions.



The thing our customers love the most is how we enable Continuous Rate Management. Rate studies are static in time. But variables keep changing - inflation is high, projects are getting repriced and reshuffled, interest rates fluctuate, sometimes you might get a grant, but you don't want to plan on it.

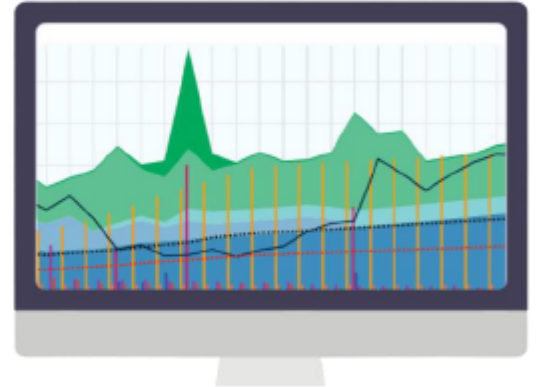
With Waterworth, you can stay in total control of all the moving parts while keeping everyone on the same page. This makes managing rates effortless and builds a synergistic relationship between city and elected officials.



KEY FEATURES

LONG-TERM FINANCIAL MODEL

Develop a full-cost recovery model to understand long-term revenue requirements. Integrate CIP, Master Plans, and future capital reinvestment budgeting along with debt service scenarios, cash reserve policies, and tie it all back to a rate schedule.



ASSET REPLACEMENT SCHEDULE

Leverage your GIS data to produce a long-term asset replacement schedule to understand the cost of sustainable ownership, and benchmark how much to invest annually in capital renewal to avoid emergencies and preserve intergenerational equity.

COST OF SERVICE ANALYSIS

Review historical demand patterns and work towards a true cost-of-service model for each customer category including wholesale customers. Explore cost reallocation scenarios to see how you can make rates more equitable.

RATE DESIGN

Onboard billing data, analyze your current rate structure, easily model new rate structure options and immediately visualize the billing impacts of various options – what the changes will mean for revenues and affordability for residents.

SCENARIO EXPLORATION

Perhaps one of the most powerful features is the ability to quickly create and manage scenarios, compare them visually using 3 comparative modes (difference, side-by-side, overlay) and combine scenarios from different service areas into one complete organization-wide model.



SAVE TIME AND AGGRAVATION

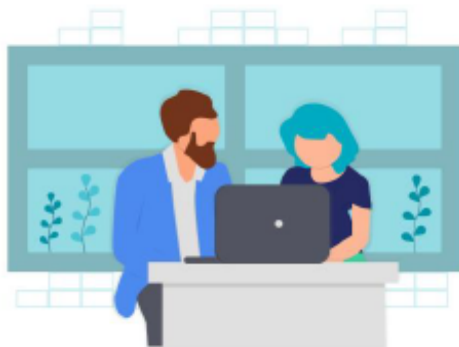
Take pride in telling a better financial story. This makes communicating tough, complex issues easier leading to more efficient conversations. In the end, smarter decisions are made more quickly and with very little effort. Everyone saves time and aggravation.

BENEFITS



LEVERAGE YOUR DATA TO DRIVE BETTER DECISIONS

Up-to-date data reflects the real-world circumstances of your community so you can have confidence that analysis and recommendations plot the best path forward in real-time. Waterworth is compatible with many other systems, so onboarding is relatively easy.



ENSURE LONG-TERM FINANCIAL SUSTAINABILITY

Plan for intergenerational equity by first determining long-term cost of sustainable ownership of infrastructure. Then become financially resilient and mitigate uncertainty about future events through better planning by developing and exploring scenarios.

LEVERAGE PROFESSIONAL SUPPORT THAT'S TAILORED TO YOU

Short-staffed? Think of us as a specialized part of your team. We're here to make sure you are asking the right questions and making progress towards community goals. Support is here, whenever and however you need it: we'll assist with data needs, analysis, scenario exploration, presentation, and succession.

We've got your back!



UNLIMITED SUPPORT & ADVISING

Included with all services. We're here for you by chat, email, phone or zoom as much or as little as needed to ensure you meet your goals.

- Unlimited 1:1 coaching with all included tools
- Expert advice with Financial Modeling, Cost of Service Analysis, Infrastructure Analysis and Rate Design
- Onboarding and refining of external financial model or Pro Forma into Waterworth's financial model
- Assistance with project management and organization to help meet deadlines and stay on track of priorities
- Training for effective communication with elected officials and between departments
- Assistance with analysis of complex datasets, and impact analysis of any scenarios or proposed changes
- Assistance with presenting models internally or to Boards/Councils
- Assistance with onboarding instructions for Assets, Population, Flows or Billing Data
- Training of new staff on Waterworth
- Facilitating succession transitions



METHODOLOGY

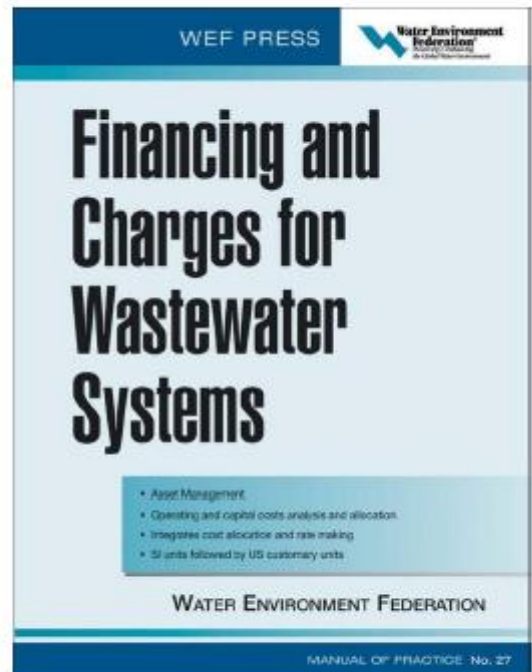
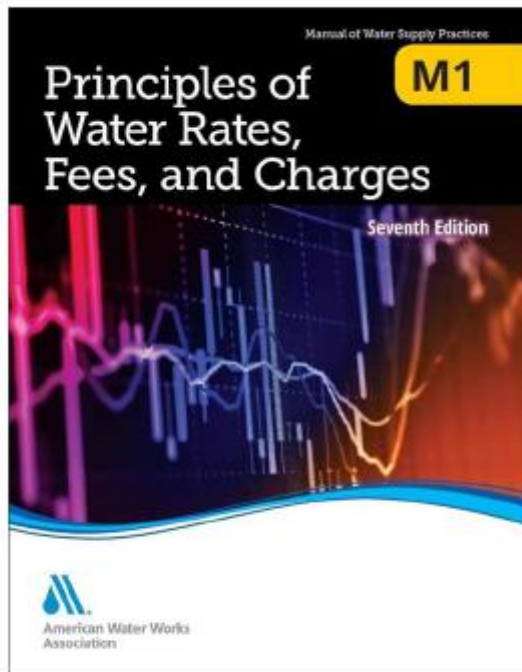
Waterworth is based on the fundamentals of rate design as outlined in AWWA M1 and WEF 27.

These manuals set the industry accepted standard practices in financial planning and rate making to establish cost-based rates, fees, and charges to recover the full costs associated with utilities.



American Water Works Association

Dedicated to the World's Most Important Resource®





WHO ELSE DOES THIS?


Waterworth is trusted by over 420 cities and towns across North America.





CLIENT TESTIMONIALS

“We informed our Board that inflation has severely impacted the costs of our capital projects, and it became clear that without a \$7,000,000 bond, we would be in trouble.
It is amazing how much easier this process is now that we have Waterworth. Whenever we have discussions with our Board we use Waterworth to review and explore options. Because we do this frequently, the board is familiar with the model and so they trust in Waterworth. The discussion regarding the need to obtain the \$7,000,000 bond lasted less than 10 minutes.”

Wes Smith, CFO
Virgin Valley Water District, Nevada 

“What’s great about Waterworth is that I don’t have to wait for a consultant and compile all kinds of information.
I can go into my model and get a snapshot of what I’m looking at... it’s the convenience of being able to get the information I need quickly and whenever I want.”



Yvonne Acuña, Assistant Finance Director
City of Leon Valley, Texas

Lisa Vollbrecht, Public Utilities Director
City of St. Cloud, Minnesota



“We’ve been trying to do this on our own for 10 years, to have something so turnkey was just an absolute blessing.”



ANNUAL SUBSCRIPTION

(Water, Sewer & Electric)

Item	Description
Water Service Area	-Software Access to Water Service Area: Cost of Service Analysis, Rate Design, Long-term Financial Model, Scenario Exploration, Asset Replacement Schedule -Unlimited Support and Advising
Sewer Service Area	-Software Access to Sewer Service Area: Cost of Service Analysis, Rate Design, Long-term Financial Model, Scenario Exploration, Asset Replacement Schedule -Unlimited Support and Advising
Electric Service Area	-Software Access to Electric Service Area: Long-term Financial Model, Scenario Exploration, Asset Replacement Schedule -Unlimited Support and Advising

Total = \$12,900 USD

Included:

- Implementation
- Unlimited User Licenses
- Unlimited Support and Advising
- Training
- Workshop Facilitation
- Presentation
- Assistance with: Data Onboarding, Data Analysis, Scenario Exploration

Subscription effective date is on the day of the Getting Started Meeting when user sign-in accounts are created. Renewal invoices will be sent 60 days before the anniversary of the effective date. Prices set to increase by 5% per year.



Unique Value Proposition Document

Waterworth is a unique and specialized solution with no comparable alternative. No customer has ever had to procure Waterworth through an RFP process.

Sole Source Qualifying Factors

1. Unique & Proprietary Technology
2. Highly Specialized Purpose-Built
3. Compatibility with Existing Systems
4. Quick Implementation & Training
5. Professional Advice & Coaching

Based on the Sole Source Requirements outlined by the National Association of State Procurement Officials (NASPO), the Single/Sole Source Procurement our clients have referenced when subscribing to Waterworth.

Unique Value Proposition Document available upon request:



- Detailed documentation describing what is unique and specialized about Waterworth to assist in varying procurement approaches

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The council discussed a request from the Friends of David City and the Summerfest Committee regarding authorization for alcohol service during the upcoming Summerfest Street Dance event at the David City Auditorium parking lot on June 6, 2026.

Monica Heller, representing the Friends of David City and the Summerfest Committee, explained that

- The event would include a street dance and fenced beer garden in the lower auditorium parking lot.
- City staff would assist with fencing setup.
- The David City Police would provide gate security and wristband checks for patrons over age 21.
- Alcohol is typically permitted inside the auditorium but not outside on surrounding public property.

City Attorney David Levy explained:

- State law generally prohibits multiple liquor licenses for the same premises.
- After reviewing the matter, legal counsel determined that the auditorium building and the proposed fenced beer garden area qualify as separate "premises" under Nebraska liquor laws,
- Therefore, the city would not need to wave any ordinance provisions.
- The event could proceed legally through the issuance of an SDL for the designated outdoor beer garden area, the SDL functions as a one-time event liquor license issued through the State of Nebraska.

Council Member Bruce Meysenburg made a motion to approve the Special Designated Liquor license to Little Water Bar for the Friends of David City & Summerfest Street Dance on June 6, 2026 at the David City South Auditorium Parking Lot. Council Member Jim Angell seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

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REQUEST FOR FUTURE AGENDA ITEM

If you have a specific topic that you would like the City Council to discuss at a future meeting, please list your name, address, telephone number, and the specific topic. The item will be reviewed and possibly scheduled for a future meeting, or forwarded to City staff for appropriate action.



NAME: Monica Heller

ADDRESS: 221 S 7th David City NE 68632

TELEPHONE #: 402 641 2769

EMAIL ADDRESS: forjoy65@yahoo.com

DATE OF REQUEST: 4/7/26

DESCRIPTION: The Friends of David City / Summerfest Committee is Requesting waiving City Ordinances To allow alcohol w/in The fenced in areas of The David City South Auditorium parking lot on June 6, 2026. For Summer Fest activities. Alcohol providers will submit Their own Request for SDLs.

Deadline for City Council Agenda Items is six (6) days prior to the next meeting. Except for items of an emergency nature, the agenda shall not be altered later than 24 hours before the scheduled meeting.

OFFICE USE ONLY

Request Forwarded to City Staff Forwarded to: Council Date Completed: 4/7/26

Action Taken: Council approved a Special Designated Liquor license to Little Water Bar for the Friends of David City and Summerfest Street Dance on June 6, 2026 at the David City South Auditorium Parking Lot, Event will have barricades and fence with Security and wristband checks of patrons.

Request Scheduled for City Council Meeting Date of Meeting: 4-22-26

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The council discussed a mitigation-related resolution connected to FEMA and the Lower Platte North NRD. Officials explained that the Mitigation Act, originally signed in October 2000, requires participating entities, such as the City of David City, to approve and sign the mitigation policy resolution.

Council Member Jeremy Abel made a motion to approve Resolution No. 7-2026 for the Lower Platte North NRD Hazard Mitigation Plan. Council Member Rick Holland seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

RESOLUTION NUMBER 7-2026

WHEREAS, the Federal Disaster Mitigation Act of 2000 was signed into law on October 30, 2000, placing new emphasis on state and local mitigation planning for natural hazards and requiring communities to adopt a hazard mitigation action plan to be eligible for pre-disaster and post-disaster federal funding for mitigation purposes; and

WHEREAS, a Multi-Jurisdictional Hazard Mitigation Plan was prepared by the Lower Platte North NRD, with assistance from JEO Consulting Group, Inc.

WHEREAS, the purpose of the mitigation plan was to lessen the effects of disasters by increasing the disaster resistance of the counties and participating jurisdictions located within the planning boundary by identifying the hazards that affect David City, Nebraska, and prioritize mitigation strategies to reduce potential loss of life and property damage from those hazards, and

WHEREAS, FEMA regulations require documentation that the plan has been formally adopted by the governing body of David City in the form of a resolution, and further requesting approval of the plan at the Federal Level; and

NOW, THEREFORE, the governing body of David City, Nebraska, does herewith adopt the most recent and FEMA-approved version of the Lower Platte North NRD Hazard Mitigation Plan in its entirety; and

PASSED AND APPROVED this 13th day of May, 2026.

ATTEST

Bruce Meysenburg, Council President

Lori Matchett, City Clerk

Project engineer Ethan Joy, JEO Consulting Group, provided an update on construction progress, stating:

- The new headworks facility is now online and operational.
- Wastewater flow has been successfully redirected to the new facility.
- The old lift station and former leadworks facility are now offline and scheduled for demolition.
- City staff had already observed significant debris and rag removal from the new screening system, demonstrating the effectiveness of the upgraded equipment.
- The project was originally scheduled for substantial completion by the end of the month.
- Delays involving internal renovation work on the existing SBR facilities will likely prevent the contractor from meeting that deadline.
- Despite delays, JEO is recommending approval of the payment request.

Confirmed that the wastewater flow is now moving through the new flume system, though calibration may still be underway.

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Funding for the project is being provided through SRF financing, including a low-interest loan at approximately 1% interest and significant loan-forgiveness grant funding.

Council Member Kevin Woita made a motion to approve Pay Application No. 26 to BRB Contractors, Inc. in the amount of \$298,454.42 for the David City Wastewater Treatment Facility Improvements. Council Member Rick Holland seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea .Yea: 5, Nay: 0, Absent: 1.

Contractor's Application for Payment

Owner: <u>City of David City</u>	Owner's Project No.: _____
Engineer: <u>JEO Consulting Group, Inc.</u>	Engineer's Project No.: <u>251034.00</u>
Contractor: <u>BRB Contractors, Inc.</u>	Contractor's Project No.: <u>NE3DAV</u>
Project: <u>David City Wastewater Treatment Facility Improvements</u>	
Contract: <u>David City Wastewater Treatment Facility Improvements</u>	
Application No.: <u>26</u>	Application Date: <u>4/22/2026</u>
Application Period: From <u>3/24/2026</u> to <u>4/22/2026</u>	

1. Original Contract Price	\$ 16,882,000.00
2. Net change by Change Orders	\$ 1,294,391.59
3. Current Contract Price (Line 1 + Line 2)	\$ 18,176,391.59
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$ 17,333,475.96
5. Retainage	
a. <u>5%</u> X \$ 16,768,736.50 Work Completed =	\$ 838,436.83
b. <u>5%</u> X \$ 564,739.46 Stored Materials =	\$ 28,236.97
c. Total Retainage (Line 5.a + Line 5.b)	\$ 866,673.80
6. Amount eligible to date (Line 4 - Line 5.c)	\$ 16,466,802.16
7. Less previous payments (Line 6 from prior application)	\$ 16,168,347.74
8. Amount due this application	\$ 298,454.42
9. Balance to finish, including retainage (Line 3 - Line 4 + Line 5.c)	\$ 1,709,589.43

Contractor's Certification

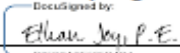
The undersigned Contractor certifies, to the best of its knowledge, the following:

- (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
- (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: BRB Contractors, Inc.

Signature:  **Date:** 4/29/2026

Recommended by Engineer

By: 
Title: Project Manager
Date: 4/29/2026

Approved by Owner

By: 
Title: Mayor
Date: 5/14/2026

Approved by Funding Agency

By: N/A
Title: _____
Date: _____

By: N/A
Title: _____
Date: _____

Docusign Envelope ID: 1361B99A-5875-40AC-9ED5-52E3E8BF176C

Progress Estimate - Lump Sum Work										Contractor's Application for Payment		
Owner: City of David City Engineer: JEO Consulting Group, Inc. Contractor: BRB Contractors, Inc. Project: David City Wastewater Treatment Facility Improvements Contract: David City Wastewater Treatment Facility Improvements										Owner's Project No.: 251034.00 Engineer's Project No.: NE3DAV Contractor's Project No.:		
Application No.: 26		Application Period: From		03/24/26		to		04/22/26		Application Date: 04/22/26		
Item No.	Description	C Scheduled Value (\$)	D Work Completed (D + E) From Previous Application (\$)		E This Period (\$)	F Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)			
			Original Contract									
GENERAL SITEWORK												
1	Mobilize	\$ 750,000.00					750,000.00	100%	-			
2	Bonds and Insurance	\$ 180,000.00					180,000.00	100%	-			
3	SWPP Items	\$ 23,500.00					23,500.00	94%	1,500.00			
4	Site Clearing	\$ 30,000.00					30,000.00	100%	-			
5	12" & 16" Force Main Piping	\$ 300,000.00					300,000.00	100%	-			
6	Other Piping/Valves	\$ 1,395,000.00			10,000.00		1,331,568.54	95%	63,431.46			
7	Precast Manholes	\$ 65,000.00			60,000.00		60,000.00	92%	5,000.00			
8	Instrumentation & Control	\$ 50,000.00			25,000.00		40,096.14	80%	9,903.86			
9	Electrical/Generator Work	\$ 125,000.00					125,000.00	100%	-			
HEADWORKS BUILDING												
10	Excavation & Backfill	\$ 150,000.00					140,000.00	93%	10,000.00			
11	Concrete Base Structure	\$ 500,000.00					500,000.00	100%	-			
12	Concrete Walls Structure	\$ 1,207,000.00					1,207,000.00	100%	-			
13	Concrete Floor/Deck Structure	\$ 350,000.00					350,000.00	100%	-			
14	Misc. Metals Furnish/Install	\$ 50,000.00					50,000.00	100%	-			
15	Masonry Above Structure	\$ 225,000.00					225,000.00	100%	-			
16	Doors & Windows Furnish/Install	\$ 65,000.00					65,000.00	100%	-			
17	Roof Trusses Furnish/Install	\$ 45,000.00					45,000.00	100%	-			
18	Standing Seam Roof & Specialties	\$ 100,000.00					100,000.00	100%	-			
19	Slide Gates Furnish/Install	\$ 100,000.00					100,000.00	100%	-			
20	Bar Screen Furnish/Install	\$ 200,000.00					200,000.00	100%	-			
21	Girt Equipment, Valves, Flumes Furnish/Install	\$ 1,300,000.00					1,280,000.00	98%	20,000.00			
22	Parshall Flume	\$ 10,000.00					10,000.00	100%	-			
23	Indoor Sampler	\$ 20,000.00					20,000.00	100%	-			
24	Painting Structure	\$ 40,000.00					40,000.00	100%	-			
25	Instrumentation & Control Work	\$ 950,000.00			30,000.00		909,428.90	96%	40,571.10			
26	Mechanical Work (both buildings)	\$ 270,000.00			10,000.00		235,000.00	87%	35,000.00			
27	Electrical Work	\$ 700,000.00			25,000.00		691,700.28	99%	8,299.72			
AGP FLUME NO. 20												
28	Excavation & Backfill	\$ 15,000.00			2,000.00		15,000.00	100%	-			
29	Concrete Base	\$ 20,000.00					20,000.00	100%	-			
30	Concrete Walls	\$ 42,000.00					42,000.00	100%	-			
31	Misc. Metals Furnish/Install	\$ 10,000.00			1,500.00		10,000.00	100%	-			
32	Equipment Flume Install	\$ 15,000.00					15,000.00	100%	-			
INFLUENT PUMP STATION												
33	Excavation & Backfill	\$ 160,000.00					155,000.00	97%	5,000.00			

Docusign Envelope ID: 1361B99A-5875-40AC-9ED5-52E3E8BF176C

Progress Estimate - Lump Sum Work									
Contractor's Application for Payment									
Owner: City of David City									
Engineer: JEO Consulting Group, Inc.									
Contractor: BRB Contractors, Inc.									
Project: David City Wastewater Treatment Facility Improvements									
Contract: David City Wastewater Treatment Facility Improvements									
Owner's Project No.: 251034.00									
Engineer's Project No.: NEZDAV									
Contractor's Project No.:									
Application No.: 26									
Application Period: 03/24/26 to 04/22/26									
Application Date: 04/22/26									
A	B	C	D	E	F	G	H	I	
Item No.	Description	Scheduled Value (\$)	(D + E) From Previous Application (\$)	Work Completed This Period (\$)	Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)	
34	Concrete Base	\$ 50,000.00	50,000.00			50,000.00	100%	-	
35	Concrete Walls	\$ 327,000.00	327,000.00			327,000.00	100%	-	
36	Concrete Roof	\$ 100,000.00	100,000.00			100,000.00	100%	-	
37	Misc. Metals Furnish/Install	\$ 50,000.00	50,000.00			50,000.00	100%	-	
38	Furnish & Install Pumps	\$ 525,000.00	498,750.00	15,000.00		513,750.00	98%	11,250.00	
39	Furnish & Install Jib Crane & Foundation	\$ 50,000.00	35,000.00	15,000.00		50,000.00	100%	-	
40	Painting Work	\$ 35,000.00	35,000.00			35,000.00	100%	-	
41	Electrical Work	\$ 50,000.00	48,000.00	1,000.00		49,000.00	98%	1,000.00	
NEW SBR STRUCTURE									
42	Excavation & Backfill	\$ 350,000.00	350,000.00			350,000.00	100%	-	
43	SBR Concrete Base Sections	\$ 520,000.00	520,000.00			520,000.00	100%	-	
44	SBR Concrete Wall Sections	\$ 1,261,000.00	1,261,000.00			1,261,000.00	100%	-	
45	SBR Basin Equipment Aeration	\$ 1,000,000.00	1,000,000.00			1,000,000.00	100%	-	
46	SBR Basin Equipment Pumps	\$ 50,000.00	50,000.00			50,000.00	100%	-	
47	Misc. Metals Furnish/Install	\$ 40,000.00	37,000.00	3,000.00		40,000.00	100%	-	
48	Painting Work	\$ 15,000.00	15,000.00			15,000.00	100%	-	
49	Electrical Work	\$ 50,000.00	50,000.00			50,000.00	100%	-	
BLOWER BUILDING MODIFICATIONS									
50	Concrete Floor/Wall Demolition	\$ 15,000.00	15,000.00			15,000.00	100%	-	
51	Excavation & Backfill	\$ 15,000.00	15,000.00			15,000.00	100%	-	
52	New Concrete Floor and Blower Bases	\$ 35,000.00	32,000.00			32,000.00	91%	3,000.00	
53	New Masonry Wall/Misc. Infill	\$ 7,500.00	7,500.00			7,500.00	100%	-	
54	Furnish & Install Doors	\$ 7,500.00	7,500.00			7,500.00	100%	-	
55	Furnish & Install New/Existing SBR Blowers	\$ 400,000.00	400,000.00			400,000.00	100%	-	
56	Painting Work	\$ 20,000.00	20,000.00			20,000.00	100%	-	
57	Instrumentation & Control Work	\$ 150,000.00	146,000.00			146,000.00	97%	4,000.00	
58	Electrical Work	\$ 100,000.00	99,000.00			99,000.00	99%	1,000.00	
EXISTING SBR BASIN MODIFICATIONS									
59	Remove Existing Equipment & Piping	\$ 50,000.00	30,000.00	20,000.00		50,000.00	100%	-	
60	Existing SBR Basin Equipment Aeration	\$ 1,000,000.00	5,000.00	660,000.00	282,316.62	947,316.62	95%	52,683.38	
61	Existing SBR Basin Equipment Pumps	\$ 50,000.00	-	-	29,535.50	29,535.50	59%	20,464.50	
62	Misc. Metals Furnish/Install	\$ 40,000.00	-	-	31,650.00	31,650.00	79%	8,350.00	
63	Construct New SBR Splitter Box	\$ 174,000.00	174,000.00			174,000.00	100%	-	
64	Painting Work	\$ 20,000.00	-	10,000.00		10,000.00	50%	10,000.00	
65	Electrical Work	\$ 50,000.00	10,000.00	25,000.00		35,000.00	70%	15,000.00	
STORAGE BUILDING									
66	Excavation & Backfill	\$ 35,000.00	35,000.00			35,000.00	100%	-	
67	Building Drainage Piping & Oil Separator	\$ 40,000.00	40,000.00			40,000.00	100%	-	

Docusign Envelope ID: 1361B99A-5875-40AC-9ED5-52E3E8BF176C

Progress Estimate - Lump Sum Work										Contractor's Application for Payment		
Owner: City of David City										Owner's Project No.: 251034.00		
Engineer: JEO Consulting Group, Inc.										Engineer's Project No.: NE3DAV		
Contractor: BRB Contractors, Inc.										Contractor's Project No.:		
Project: David City Wastewater Treatment Facility Improvements												
Contract: David City Wastewater Treatment Facility Improvements												
Application No.: 26										Application Date: 04/22/26		
Application Period: From 03/24/26 to 04/22/26												
A	B	C	D	E	F	G	H	I				
Item No.	Description	Scheduled Value (\$)	(D + E) From Previous Application (\$)	Work Completed This Period (\$)	Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)				
68	Concrete Foundations	\$ 40,000.00	40,000.00			40,000.00	100%	-				
69	Concrete Floor	\$ 56,000.00	56,000.00			56,000.00	100%	-				
70	New Building Walls and Roof	\$ 270,000.00	257,259.00	2,000.00		259,259.00	96%	10,741.00				
71	Doors & Windows	\$ 40,000.00	40,000.00			40,000.00	100%	-				
72	Painting Work	\$ 30,000.00	-			-	0%	30,000.00				
73	Electrical Work	\$ 75,000.00	22,000.00		10,000.00	32,000.00	43%	43,000.00				
74	DEMO EXISTING HEADWORKS BUILDING Demolition of Existing Building Complete CLOSEOUT	\$ 30,000.00	-			-	0%	30,000.00				
75	Site Grading	\$ 25,000.00	-			-	0%	25,000.00				
76	SBR/Storage Building Sidewalks	\$ 25,000.00	-			-	0%	25,000.00				
77	Concrete Paving	\$ 20,000.00	-			-	0%	20,000.00				
78	Seeding & Mulch	\$ 15,000.00	-			-	0%	15,000.00				
79	Crushed Rock Surfacing Roads	\$ 80,000.00	-			-	0%	80,000.00				
80	Fence & Gate System	\$ 30,000.00	-			-	0%	30,000.00				
Original Contract Totals		\$ 16,882,000.00	\$ 14,867,762.00	\$ 829,500.00	\$ 550,542.98	\$ 16,247,804.98	96%	\$ 634,195.02				

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Progress Estimate - Lump Sum Work										Contractor's Application for Payment		
Owner:		City of David City		Owner's Project No.:				Engineer's Project No.:		251034.00		
Engineer:		JEO Consulting Group, Inc.		Contractor's Project No.:				Contractor's Project No.:		NE3DAV		
Contractor:		BRB Contractors, Inc.		Project:		David City Wastewater Treatment Facility Improvements		Contract:		David City Wastewater Treatment Facility Improvements		
Application No.:		26		Application Period:		From 03/24/26 to 04/22/26		Application Dates:		04/22/26		
Item No.	Description	C Scheduled Value (\$)	D Work Completed (D + E) From Previous Application (\$)		E This Period (\$)	F Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)			
			Change Orders									
1	Misc Submittals and Deducts	\$ 39,532.11	35,724.56		3,807.55		39,532.11	100%	-			
2	Headworks Stabilization Rock	\$ 133,342.31	133,342.31				133,342.31	100%	-			
3	Temporary Bypass Lane	\$ 105,656.02	105,656.02				105,656.02	100%	-			
4	Headworks Building Deducts	\$ (9,951.85)	(9,951.85)				(9,951.85)	100%	-			
5	Misc Modifications	\$ 112,629.23	112,629.23				112,629.23	100%	-			
6	SBR Stabilization Rock, OVH Door & Surge Relief Valves	\$ 220,266.68	220,266.68				220,266.68	100%	-			
7	Headworks & Storage HVAC, SBR Air Piping	\$ 135,701.87	90,000.00			14,196.48	104,196.48	77%	31,505.39			
8	WCD 10-13, 16-18: Electrical, Grading, HVAC, HW Ceiling	\$ 557,215.22	290,000.00		90,000.00		380,000.00	68%	177,215.22			
Change Order Totals		\$ 1,294,391.59	\$ 977,666.95	\$ 93,807.55	\$ 14,196.48	\$ 1,085,670.98	\$ 84%	\$ 208,720.61				
Original Contract and Change Orders												
Project Totals		\$ 18,176,391.59	\$ 15,845,428.95	\$ 923,307.55	\$ 564,739.46	\$ 17,333,475.96	\$ 95%	\$ 842,915.63				

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Stored Materials Summary

City of David City
 JEO Consulting Group, Inc.
 BRB Contractors, Inc.
 David City Wastewater Treatment Facility Improvements
 David City Wastewater Treatment Facility Improvements

Contractor's Application for Payment

Owner's Project No.:
 Engineer's Project No.: 251034.00
 Contractor's Project No.: NEDAVL

Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submittal No. (with Specification Section No.)	Description of Materials or Equipment Stored	E Storage Location	F Application No. When Materials Placed in Storage	Application Period: From 03/24/26 to 04/22/26		I Amount Stored to Date (G + H) (\$)	J Amount Previously Incorporated in the Work (\$)	K Amount Incorporated in the Work this Period (\$)	L Total Amount Incorporated in the Work (J + K) (\$)	M Materials Remaining in Storage (I - L) (\$)
						G Previous Amount Stored (\$)	H Materials Stored Amount Stored this Period (\$)					
105795-1			Aqua Aerobics Down Payment				261,353.50	261,353.50	261,353.50	261,353.50		
50006177578			Rebar				19,091.30	19,091.30	19,091.30	19,091.30		
50006159555			Rebar				28,359.32	28,359.32	28,359.32	28,359.32		
50006147392			Rebar				26,753.09	26,753.09	26,753.09	26,753.09		
50006147072			Rebar				29,743.20	29,743.20	29,743.20	29,743.20		
50006147071			Rebar				29,743.20	29,743.20	29,743.20	29,743.20		
50036114832			Rebar				29,743.20	29,743.20	29,743.20	29,743.20		
50006127167			Rebar				22,299.72	22,299.72	22,299.72	22,299.72		
5003608976			Rebar				30,145.37	30,145.37	30,145.37	30,145.37		
0755219-1			Polywrap				1,964.40	1,964.40	1,964.40	1,964.40		
755226			Polywrap				420.00	420.00	420.00	420.00		
755219			Polywrap				3,170.72	3,170.72	3,170.72	3,170.72		
27693			HME Shop Drawings				6,675.00	6,675.00	6,675.00	6,675.00		
50036415841			Rebar				17,736.06	17,736.06	17,736.06	17,736.06		
50036367681			Rebar				26,960.24	26,960.24	26,960.24	26,960.24		
50006337203			Rebar				26,014.37	26,014.37	26,014.37	26,014.37		
50036192136			Rebar				18,469.82	18,469.82	18,469.82	18,469.82		
94020			SBR Wall Valves				76,643.95	76,643.95	76,643.95	76,643.95		
755902			Ductile Iron Pipe				18,451.18	18,451.18	18,451.18	18,451.18		
755171			Project Manager				15,132.60	15,132.60	15,132.60	15,132.60		
50036498471			Rebar				650.00	650.00	650.00	650.00		
50036599911			Rebar				5,675.00	5,675.00	5,675.00	5,675.00		
50036604462			Rebar				2,179.06	2,179.06	2,179.06	2,179.06		
105795-2			Concrete Expansion Joints				5,892.80	5,892.80	5,892.80	5,892.80		
0756281-2			Aqua Aerobics - Second Payment				522,707.00	522,707.00	522,707.00	522,707.00		
0756281-1			Ductile Iron Pipe and Accessories				1,975.74	1,975.74	1,975.74	1,975.74		
757833			Ductile Iron Pipe and Accessories				10,440.99	10,440.99	10,440.99	10,440.99		
0755902-1			24" PVC Pipe				83,203.12	83,203.12	83,203.12	83,203.12		
757699			Ductile Iron Pipe and Accessories				21,275.08	21,275.08	21,275.08	21,275.08		
755893			Ductile Iron Pipe and Accessories				622.71	622.71	622.71	622.71		
756281			Ductile Iron Pipe and Accessories				22,446.17	22,446.17	22,446.17	22,446.17		
94511			Blowoff Valves and Accessories				5,056.44	5,056.44	5,056.44	5,056.44		
94275			Air Release Valves				126,612.31	126,612.31	126,612.31	126,612.31		
27920			HME Shop Drawings				7,803.31	7,803.31	7,803.31	7,803.31		
0174120-IN			Haitches and Crane Equipment				20,025.00	20,025.00	20,025.00	20,025.00		
2022-113			Electrical Stored Materials				30,750.00	30,750.00	30,750.00	30,750.00		
758894			Ductile Iron Force Main Pipe				3,181.29	3,181.29	3,181.29	3,181.29		
0755902-2			Valves				36,633.43	36,633.43	36,633.43	36,633.43		
50027906312			Ductile Iron Pipe				184,557.08	184,557.08	184,557.08	184,557.08		
50027614897			Rebar				116,428.37	116,428.37	116,428.37	116,428.37		
50027614897			Rebar				23,676.17	23,676.17	23,676.17	23,676.17		
50027614897			Rebar				27,202.03	27,202.03	27,202.03	27,202.03		
50027614897			Rebar				2,573.96	2,573.96	2,573.96	2,573.96		
50027614897			Rebar				14,510.75	14,510.75	14,510.75	14,510.75		
50027614897			Rebar				20,282.00	20,282.00	20,282.00	20,282.00		
94913			Gates/Valves/Flumes				10,622.32	10,622.32	10,622.32	10,622.32		
0755904-2			Ductile Iron Pipe				135,104.83	135,104.83	135,104.83	135,104.83		
0755904-1			Ductile Iron Pipe				89,965.26	89,965.26	89,965.26	89,965.26		
760897			Ductile Iron Pipe				48,516.80	48,516.80	48,516.80	48,516.80		
			Ductile Iron Pipe				30,341.68	30,341.68	30,341.68	30,341.68		

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Stored Materials Summary										Contractor's Application for Payment				
Owner: City of David City Engineer: JEO Consulting Group, Inc. Contractor: BRB Contractors, Inc. Project: David City Wastewater Treatment Facility Improvements Contract: David City Wastewater Treatment Facility Improvements										Owner's Project No.: 251034.00 Engineer's Project No.: ME3DAV Contractor's Project No.:				
Application No.: 26										Application Date: 04/22/26				
Application Period: From 03/24/26 to 04/22/26														
A Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	B Supplier Invoice No.	C Submittal No. (with Specification Section No.)	D Description of Materials or Equipment Stored	E Storage Location	F Application No. When Materials Placed in Storage	G Materials Stored		I Amount Stored to Date (G + H) (5)	J Amount Previously Incorporated in the Work (5)	K Amount Incorporated in the Work this Period (5)	L Total Amount Incorporated in the Work (J + K) (5)	M Materials Remaining in Storage (I - L) (5)		
						Previous Amount Stored (5)	Amount Stored this Period (5)							
	0757692-1		Ductile Iron Pipe			6,545.67	6,545.67	6,545.67	6,545.67		6,545.67	-		
	757692		Ductile Iron Pipe			34,436.37	34,436.37	34,436.37	34,436.37		34,436.37	-		
	865324-01		Electrical Stored Materials			1,893.10	1,893.10	1,893.10	1,893.10		1,893.10	-		
	8653766-00		Electrical Stored Materials			1,344.01	1,344.01	1,344.01	1,344.01		1,344.01	-		
	8653424-00		Electrical Stored Materials			1,029.30	1,029.30	1,029.30	1,029.30		1,029.30	-		
	8651200-00		Electrical Stored Materials			249.97	249.97	249.97	249.97		249.97	-		
	8601508-01		Electrical Stored Materials			5,846.58	5,846.58	5,846.58	5,846.58		5,846.58	-		
	8601508-02		Electrical Stored Materials			18,107.44	18,107.44	18,107.44	18,107.44		18,107.44	-		
	8634948-00		Electrical Stored Materials			10.92	10.92	10.92	10.92		10.92	-		
	2032-119		Electrical Stored Materials			5,915.24	5,915.24	5,915.24	5,915.24		5,915.24	-		
	95314		Valves			35,962.26	35,962.26	35,962.26	35,962.26		35,962.26	-		
	95296		Valves			5,507.18	5,507.18	5,507.18	5,507.18		5,507.18	-		
	95194		Valves			64,227.99	64,227.99	64,227.99	64,227.99		64,227.99	-		
	0760997-1		Embedded Wall Pipe			10,490.00	10,490.00	10,490.00	10,490.00		10,490.00	-		
	761001		Embedded Wall Pipe			10,783.56	10,783.56	10,783.56	10,783.56		10,783.56	-		
	759837		Ductile Iron Fittings			14,654.75	14,654.75	14,654.75	14,654.75		14,654.75	-		
	0760997-2		Ductile Iron Pipe			18,733.52	18,733.52	18,733.52	18,733.52		18,733.52	-		
	50038223134		Headworks Area Rebar			17,661.05	17,661.05	17,661.05	17,661.05		17,661.05	-		
	50025596590		Generator Pad Rebar			5,316.85	5,316.85	5,316.85	5,316.85		5,316.85	-		
	95460		Valves			9,113.55	9,113.55	9,113.55	9,113.55		9,113.55	-		
	765559		Ductile Iron Pipe			11,022.47	11,022.47	11,022.47	11,022.47		11,022.47	-		
	765117		Ductile Iron Pipe			95,948.26	95,948.26	95,948.26	95,948.26		95,948.26	-		
	764836		Ductile Iron Pipe			22,291.21	22,291.21	22,291.21	22,291.21		22,291.21	-		
	764427		Ductile Iron Pipe			2,000.00	2,000.00	2,000.00	2,000.00		2,000.00	-		
	0764836-1		Ductile Iron Pipe			9,449.42	9,449.42	9,449.42	9,449.42		9,449.42	-		
	764846		Ductile Iron Pipe			21,007.67	21,007.67	21,007.67	21,007.67		21,007.67	-		
	0765117-2		Ductile Iron Pipe			21,792.38	21,792.38	21,792.38	21,792.38		21,792.38	-		
	8653786-01		Electrical Stored Materials			6,180.00	6,180.00	6,180.00	6,180.00		6,180.00	-		
	863424-02		Electrical Stored Materials			9,419.62	9,419.62	9,419.62	9,419.62		9,419.62	-		
	863424-03		Electrical Stored Materials			5,327.55	5,327.55	5,327.55	5,327.55		5,327.55	-		
	8653232-00		Electrical Stored Materials			20,413.00	20,413.00	20,413.00	20,413.00		20,413.00	-		
	863424-04		Electrical Stored Materials			4,119.52	4,119.52	4,119.52	4,119.52		4,119.52	-		
	8666003-00		Electrical Stored Materials			8,910.00	8,910.00	8,910.00	8,910.00		8,910.00	-		
	8602508-05		Electrical Stored Materials			5,317.25	5,317.25	5,317.25	5,317.25		5,317.25	-		
	8653232-02		Electrical Stored Materials			31,315.00	31,315.00	31,315.00	31,315.00		31,315.00	-		
	8658232-01		Electrical Stored Materials			32,956.00	32,956.00	32,956.00	32,956.00		32,956.00	-		
	NECOL256197		Electrical Stored Materials			301.18	301.18	301.18	301.18		301.18	-		
	78795		Electrical Stored Materials			270.00	270.00	270.00	270.00		270.00	-		
	42251		HDA Progress Billing			227,884.60	227,884.60	227,884.60	227,884.60		227,884.60	-		
	27685		Submersible Pump			452,900.00	452,900.00	452,900.00	452,900.00		452,900.00	-		
	0174897-IN		Hoist			19,110.00	19,110.00	19,110.00	19,110.00		19,110.00	-		
	0765117-6		Pipe and Fittings			9,402.29	9,402.29	9,402.29	9,402.29		9,402.29	-		
	0765117-5		Pipe and Fittings			39,726.61	39,726.61	39,726.61	39,726.61		39,726.61	-		
	0765117-4		Pipe and Fittings			6,442.13	6,442.13	6,442.13	6,442.13		6,442.13	-		
	0760997-3		Pipe and Fittings			26,816.12	26,816.12	26,816.12	26,816.12		26,816.12	-		
	0765117-3		Pipe and Fittings			578.28	578.28	578.28	578.28		578.28	-		
	766259		Pipe and Fittings			21,663.44	21,663.44	21,663.44	21,663.44		21,663.44	-		
	764818		Pipe and Fittings			25,146.59	25,146.59	25,146.59	25,146.59		25,146.59	-		
	95755		Valves			33,531.00	33,531.00	33,531.00	33,531.00		33,531.00	-		

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Stored Materials Summary												
Contractor's Application for Payment												
Application No.: 26												
Application Period: From 03/24/26 to 04/22/26												
Application Date: 04/22/26												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submitted No. (with Specification Section No.)	Description of Materials or Equipment Stored	Storage Location	Application No. When Materials Placed in Storage	Previous Amount Stored (\$)	Amount Stored this Period (\$)	Amount Stored to Date (G+H) (\$)	Amount Previously Incorporated in the Work (\$)	Amount Incorporated in the Work this Period (\$)	Total Amount Incorporated in the Work (J+K) (\$)	Materials Remaining in Storage (L-M) (\$)
			Electrical Stored Materials			386.20		386.20	386.20		386.20	
	8655424-05		Electrical Stored Materials			1,335.00		1,335.00	1,335.00		1,335.00	
	8655424-06		Electrical Stored Materials			373.10		373.10	373.10		373.10	
	8694471-00		Electrical Stored Materials			266.93		266.93	266.93		266.93	
	8602508-05		Electrical Stored Materials			2,328.26		2,328.26	2,328.26		2,328.26	
	8695424-06		Electrical Stored Materials			12,514.95		12,514.95	12,514.95		12,514.95	
	8792		Gift Pump			23,395.00		23,395.00	23,395.00		23,395.00	
	29452		Handrail			12,300.00		12,300.00	12,300.00		12,300.00	
	568		HVAC Air Conditioners			16,920.00		16,920.00	16,920.00		16,920.00	
	0785117-7		Pipe and Fittings			2,528.22		2,528.22	2,528.22		2,528.22	
	766417		Piping System/Ball Valves			3,112.76		3,112.76	3,112.76		3,112.76	
	770080		Pipe and Fittings			4,184.11		4,184.11	4,184.11		4,184.11	
	765579		Pipe and Fittings			33,920.76		33,920.76	33,920.76		33,920.76	
	0067750-14		Sand/Oil Trap			10,900.00		10,900.00	10,900.00		10,900.00	
	39678		Ladders			8,250.00		8,250.00	8,250.00		8,250.00	
	769915		Pipe and Fittings			17,343.56		17,343.56	17,343.56		17,343.56	
	1045880		Aqua Aerobic SBR Equipment			254,049.56		254,049.56	250,000.00		600,000.00	
	1046052		Aqua Aerobics SBR Equipment			703,753.84		703,753.84	127,871.00		127,871.00	
	24105-18870		Bar Screen			82,368.00		82,368.00	82,368.00		82,368.00	
	92726-00		Generator			12,200.28		12,200.28	-		-	
	8653766-02		Electrical Stored Materials			56,029.84		56,029.84	6,829.90		6,829.90	
	1046371		Aqua Aerobics SBR Equipment			6,829.90		6,829.90	6,367.96		6,367.96	
	448099		Precast Manholes			456,048.92		456,048.92	208,871.77		208,871.77	
	1046711		Aqua Aerobic Equipment			4,266.73		4,266.73	-		-	
	1046788		Aqua Aerobic Equipment			10,912.32		10,912.32	7,718.29		7,718.29	
	769540		Pipe and Fittings			9,368.08		9,368.08	-		-	
	777143		Pipe and Fittings			4,203.29		4,203.29	4,203.29		4,203.29	
	50030735331		Blower Room Rebar			30,000.00		30,000.00	30,000.00		30,000.00	
	50113091		Doors and Frames			75,103.16		75,103.16	25,103.16		25,103.16	
	1047062		Aqua Aerobic Equipment			55,490.40		55,490.40	55,490.40		55,490.40	
	12687		Instrumentation Equipment			277,359.52		277,359.52	277,359.52		277,359.52	
	97508		Slide Gates			33,415.07		33,415.07	33,415.07		33,415.07	
	777559		Ductile Iron Pipe and Fittings (SBR)			7,835.01		7,835.01	7,835.01		7,835.01	
	777526		Ductile Iron Pipe and Fittings (Blower)			81,605.00		81,605.00	63,707.96		63,707.96	
	0777559-1		Ductile Iron Pipe and Fittings (SBR)			17,352.34		17,352.34	17,352.34		17,352.34	
	30706		Misc Steel			438,253.00		438,253.00	438,253.00		438,253.00	
	12743		Motor Control Centers and Drives			22,576.82		22,576.82	22,576.82		22,576.82	
	97802		Slide Gate Actuator			227,316.00		227,316.00	227,316.00		227,316.00	
	97966		Gift Removal System			6,995.20		6,995.20	6,995.20		6,995.20	
6	781379		Ductile Iron Pipe and Fittings			5,131.29		5,131.29	5,131.29		5,131.29	
6	079406-1		Ductile Iron Pipe and Fittings			93,081.78		93,081.78	93,081.78		93,081.78	
6	0795406-2		Ductile Iron Pipe and Fittings			11,821.88		11,821.88	11,821.88		11,821.88	
6	077559-2		Ductile Iron Pipe and Fittings			4,492.31		4,492.31	4,492.31		4,492.31	
6	780229		14" SBR Pipe			16,637.14		16,637.14	16,637.14		16,637.14	
	11108191		Doors and Frames			4,925.00		4,925.00	4,925.00		4,925.00	
	133739		Headworks Trusses (Partial)			12,310.45		12,310.45	12,310.45		12,310.45	
	781651		Ductile Iron Pipe and Fittings			9,229.73		9,229.73	9,229.73		9,229.73	
	0785423-1		Ductile Iron Fittings (Blower)			30,196.48		30,196.48	16,000.00		16,000.00	
CO 7	0795899-2		Ductile Iron Fittings (SBR)									14,196.48

Owner: City of David City
 Engineer: JEO Consulting Group, Inc.
 Contractor: BRB Contractors, Inc.
 Project: David City Wastewater Treatment Facility Improvements
 Contract: David City Wastewater Treatment Facility Improvements

Owner's Project No.:
 Engineer's Project No.: 251034.00
 Contractor's Project No.: NE20AV

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Stored Materials Summary												
Owner: City of David City Engineer: JEO Consulting Group, Inc. Contractor: BRB Contractors, Inc. Project: David City Wastewater Treatment Facility Improvements Contract: David City Wastewater Treatment Facility Improvements												
Application No.: 26 Application Period: From 03/24/26 to 04/22/26 Application Date: 04/22/26												
Contractor's Application for Payment												
Owner's Project No.: 251034.00 Engineer's Project No.: NERDAV Contractor's Project No.:												
A	B	C	D	E	F	G	H	I	J	K	L	M
Item No. (Lump Sum Tab) or Bid Item No. (Unit Price Tab)	Supplier Invoice No.	Submitted No. (with Specification Section No.)	Description of Materials or Equipment Stored	Storage Location	Application No. When Materials Placed in Storage	Previous Amount Stored (\$)	Amount Stored this Period (\$)	Amount Stored to Date (G + H) (\$)	Amount Previously Incorporated in the Work (\$)	Incorporated in the Work this Period (\$)	Total Amount Incorporated in the Work (J + K) (\$)	Materials Remaining in Storage (L - M) (\$)
Totals						\$ 7,068,288.03	\$ -	\$ 7,068,288.03	\$ 5,894,403.57	\$ 609,145.00	\$ 6,503,548.57	\$ 564,739.46

City Council Proceedings

May 13, 2026

Page # 28

The council reviewed and discussed Change Order No. 9 for the BRB Wastewater Treatment Project. Ethan Joy, JEO Consulting Group, explained that the change order consisted of a combination of additions and deductions tied to issues discovered during construction and improvements not included in the original project scope.

Key items in the change order:

- Installation of tracer wire on underground piping to allow city staff to locate pipes more easily in the future.
- A deduction for a duplicate flow meter that had mistakenly been included in both the electrical contractor's bid and the integrator's bid.
- Replacement of outdated fluorescent lighting in the blower building, where existing fixtures were difficult to access, or no longer provided adequate lighting after equipment installation changes.
- Repair and replacement of malfunctioning ventilation louvers in the blower building that had not been part of the original project scope.

Council Member Bruce Meysenburg noted that many changes had already been discussed during project progress meetings with city staff and engineers. While acknowledging that additional project costs are never ideal, staff recommended approval because the work addressed either unforeseen conditions or necessary operational improvements.

Council Member Kevin Woita made a motion to approve Change Order No. 9 to BRB Contractors, Inc. in the amount of \$37,790.74 for tracer wire, rebar epoxy, INF fittings, Yard hydrant removal, Electrical modifications, Lift Station programming modifications and Flow Meter deduct, SBR Stair deduct, Blower Building Lighting modifications, SBR East Handrail removal and Blower building existing HVAC Replacement at the Wastewater Treatment Facility. Council Member Jeremy Abel seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea .Yea: 5, Nay: 0, Absent: 1.

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CHANGE ORDER NO.: 9

Owner: City of David City
 Engineer: JEO Consulting Group, Inc.
 Contractor: BRB Contractors, Inc.
 Project: Wastewater Treatment Facility Improvements
 Contract Name:
 Date Issued: 5/13/2026
 Effective Date of Change Order: 5/13/2026
 Owner's Project No.:
 Engineer's Project No.: 251034.00
 Contractor's Project No.: NE3DAV

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

Description:

This Change Order will incorporate the modifications outlined in Work Change Directive No. 1, No. 15, No. 20, No. 21, No. 22, No. 23, No. 26, No. 27, No. 29 and No. 30. These WCD's include a change in contract price to add tracer wire to the 12" and 16" force mains, eliminate the requirement for epoxy on pavement rebar, add fittings to allow for placement of influent lines to SBR basins No. 1 and No. 2, eliminate installation of one yard hydrant near the headworks building, and various electrical modifications required for startup and electrical to the effluent sampler. Additionally, the change in contract price was provided to make modifications to the lift station programming, removal of handrails along the SBR east wall, modifications to the lighting in the blower room, and replacement of the existing dampers in the blower building. This Change Order will also include removing construction of the stairs to the west of the new SBR basins from the scope of the project. Additional descriptions for the work included in this Change Order can be referenced in the attached WCD's.

Attachments:

- 1 Combined WCD No. 1-Tracer Wire, No. 15-Rebar Epoxy Deduct, No. 20-INF Fittings, No. 21-Yard Hydrant Removal, and No. 22-Electrical Modifications
- 2 WCD No. 23 - Lift Station Programming Modifications and Flow Meter Deduct
- 3 WCD No. 26 - SBR Stair Deduct
- 4 WCD No. 27 - Blower Building Lighting Modifications
- 5 WCD No. 29 - SBR East Handrail Removal
- 6 WCD No. 30 - Blower Building Existing HVAC Replacement

Change in Contract Price	Change in Contract Times
Original Contract Price: \$ 16,882,000.00	Original Contract Times: Substantial Completion: 3/31/2026 Ready for final payment: 7/31/2026
Net change from previously approved Change Orders No. 1 to No. 8: \$ 1,294,391.59	Net change from previously approved Change Orders 1 to No. 8: Substantial Completion: 60 days Ready for final payment: 60 days
Contract Price prior to this Change Order: \$ 18,176,391.59	Contract Times prior to this Change Order: Substantial Completion: 5/30/2026 Ready for final payment: 9/29/2026
Net change for this Change Order: \$ 37,790.74	Net change for this Change Order: Substantial Completion: 0 days Ready for final payment: 0 days
Contract Price incorporating this Change Order: \$ 18,214,182.33	Contract Times with all approved Change Orders: Substantial Completion: 5/30/2026 Ready for final payment: 9/29/2026

<p>Recommended by Engineer (if required)</p> <p>By: <u>Ethan Kay, P.E.</u> <small>VERIFIED SIGNATURE</small> Title: Project Manager Date: 5/8/2026</p>	<p>Authorized by Owner</p> <p>By: <u>James J. Miller</u> <small>VERIFIED SIGNATURE</small> Title: Mayor Date: 5/14/2026</p>
<p>Accepted by Contractor</p> <p>By: <u>Josh Kling</u> <small>VERIFIED SIGNATURE</small> Title: Project Manager Date: 5/8/2026</p>	<p>Approved by Funding Agency (if applicable)</p> <p>N/A</p>



To JEO and the City of David City,

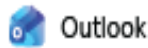
BRB Contractors was asked to provide a cost for modifications on the David City Wastewater Treatment Facility project as part of several changes of conditions. Modifications include:

- WCD #1: Adding tracer wire to the 12" and 16" piping
- WCD #15: (deduct) Modifications to the rebar, eliminating the need for epoxy coating
- WCD #20: Additional fittings at the existing SBR to avoid conflicts with existing lines
- WCD #21: (deduct) Removal of a yard hydrant at the headworks building from the scope
- WCD #22: Electrical modifications deduct plus a few small additions as requested on site

The cost of these modifications will be \$8,550.86. A scope from these work change directives detailing what needs to be done is provided (as sent by JEO). If you have any questions, feel free to reach out.

Thank You,
Josh Klug
Project Manager
BRB Contractors, Inc





David City WWTF - Tracer Wire Addition on Force Main

From Sarah Nguyen <snguyen@jeo.com>

Date Wed 6/18/2025 9:12 PM

To Josh Klug <JoshKlug@brbcontractors.com>; Don Taliaferro <dontaliaferro@brbcontractors.com>; Seth Johnson <sethjohnson@brbcontractors.com>

Cc Ethan Joy <ejoy@jeo.com>; Samantha Handrock <shandrock@jeo.com>

1 attachment (137 KB)

Tracer Wire Specification.pdf;

Hello Josh, Don, and Seth,

We have completed our review and confirmed that V&K did not specify tracer wire on the force main piping. We would like to request tracer wire to be added to the piping, so the operators are able to locate the pipes in the future. I believe some of the force main piping has been installed already. We would like to ask that the tracer wire be installed on all the 12" and 16" piping.

I have attached our specification for the tracer wire that we would like to be installed with the force main piping. This specification is our standard for water mains, but this should be interpreted for the force main.

We understand this is an addition to the project. Please provide a proposal for a cost change for this work.

Thank you,

Sarah Nguyen | *Water & Wastewater Engineer EI*

m: [402.310.5108](tel:402.310.5108) | o: [402.435.3080](tel:402.435.3080) | e: anguyen@jeo.com

JEO Consulting Group | 2000 Q St Suite 500 | Lincoln, NE 68503



2.07 TRACER WIRE

A. General

1. Wire Size: Minimum size shall be 12 AWG or as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
2. Jacket color shall meet the APWA color code standard for identification of buried utilities, blue for potable water.

33 11 16-15

Master Specification

WATER DISTRIBUTION
December 2020

3. Jacket/ coating type shall be High Density Polyethylene (HDPE) or High Molecular Weight Polyethylene (HMWPE) rated for direct burial. Nylon is not allowed.

B. Placement:

1. The tracer wire shall be placed in the same orientation as installed pipe.
2. The tracer wire shall be placed as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
3. When connecting to an existing main, begin tracer wire system at the connection to the existing main.
 - a. If test station is not installed adjacent to the connection to the existing main, install a five foot long by 1/2" diameter or larger copper clad or solid copper ground rod in the trench, next to the connection.
 - b. Connect tracer wire to ground rod with corrosion-resistant brass, stainless steel or copper alloy clamp. Steel rebar is not acceptable.

C. Wire Type:

1. Open trench/direct bury: Wire type shall be Solid Copper or Solid Copper Clad Steel (CCS) or as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
2. Pipe bursting and directional boring: Wire type shall be Solid Copper Clad Steel (CCS) or as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
3. Stranded wire not required, but may be used at Contractor's option.

D. Connectors (splice):

1. Shall be Copperhead SnakeBite connector, 3M DBR connector or approved equal and shall be rated for direct bury for the protection of wire from moisture and corrosion.
2. Connector shall be sized appropriate to the number and size of wires connected.

E. Terminal Access Boxes and Marker Posts.

1. General:
 - a. Access boxes and/or test stations shall be installed to bring the tracer wire to level for ease of testing.
2. Flush Mount Terminal Access Box:
 - a. Tracer wire terminal access box shall be located directly in front of fire hydrant auxiliary valves and water main valve boxes, as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
 - b. Tracer wire shall be terminated at each end in a flush mount terminal access box.
 - c. Terminal access box shall have a cast iron lid that can be locked and opened with a standard pentagon head key wrench.
 - d. Riser base: 12" minimum depth, PVC or approved equivalent.
 - e. Terminal access box shall be installed in a concrete pad, set to finish grade, as shown in the Drawings or specified in Section 01 10 00 – Special Provisions.
 - f. Tracer wires shall be attached to integral stainless steel screws.

33 11 16-16

Master Specification

WATER DISTRIBUTION

- g. Terminals shall be readily accessible once the lid is removed for use of a locator.
 - h. Extend tracer wire up inside the terminal access box, leaving minimum of 3 feet of tracer wire inside the terminal access box.
3. ~~Water line marker post with tracer wire test station:~~
- a. ~~Marker post and test station shall be located when shown in the Drawings or specified in Section 01 10 00 – Special Provisions.~~
 - b. ~~Six (6) foot minimum length.~~
 - c. ~~Shall be designed to bend and rebound when struck by a vehicle.~~
 - d. ~~Shall be triangular shape or approved equal.~~
 - e. ~~Color shall meet the APWA color code standard for identification of buried utilities, blue for potable water.~~
 - f. ~~Shall have decals stating "Warning, Buried Water" or similar.~~
 - g. ~~Shall have minimum of two corrosion resistant internal terminals, brass or stainless steel.~~
 - h. ~~Shall have removable top cap to access internal terminals.~~
 - i. ~~Installation of tracer wire in marker post and test station:~~
 - (1) ~~Bury the bottom 18 inches of the marker post and test station, with anchor barbs flared out.~~
 - (2) ~~Run the tracer wire up through the marker post and test station, leaving a minimum of 3 feet of tracer wire slack inside the marker post and test station.~~
 - (3) ~~Each tracer wire shall be attached to an internal corrosion resistant terminal.~~
 - (4) ~~Label the screws with a permanent marker to indicate the direction of the main and tracer wire from the marker post and test station. IE; "Tracer Line North", "Tracer Line South", Etc.~~



Work Change Directive

WORK CHANGE DIRECTIVE NO. | 15
DATE | 12/10/25
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):

Description Change to the scope of work to remove the requirement of an epoxy coat on the rebar in the approaches of the headworks and storage buildings.

Purpose of Change Directive Epoxy coated rebar is not necessary in this instance and the additional cost can be deducted from the project.

Attachment(s)
Sheet 02-C-13 - Headworks Building Approach
Sheet 02-C-16 - Storage Building Approach

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price
 Unit Prices
 Lump Sum
 Other N/A

Method of Determining Change in Contract Times
 CONTRACTOR's Records
 ENGINEER's Records
 Other N/A

Estimated Increase (Decrease) in Contract Price
\$ TBD

Estimated Increase (Decrease) in Contract Times
0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

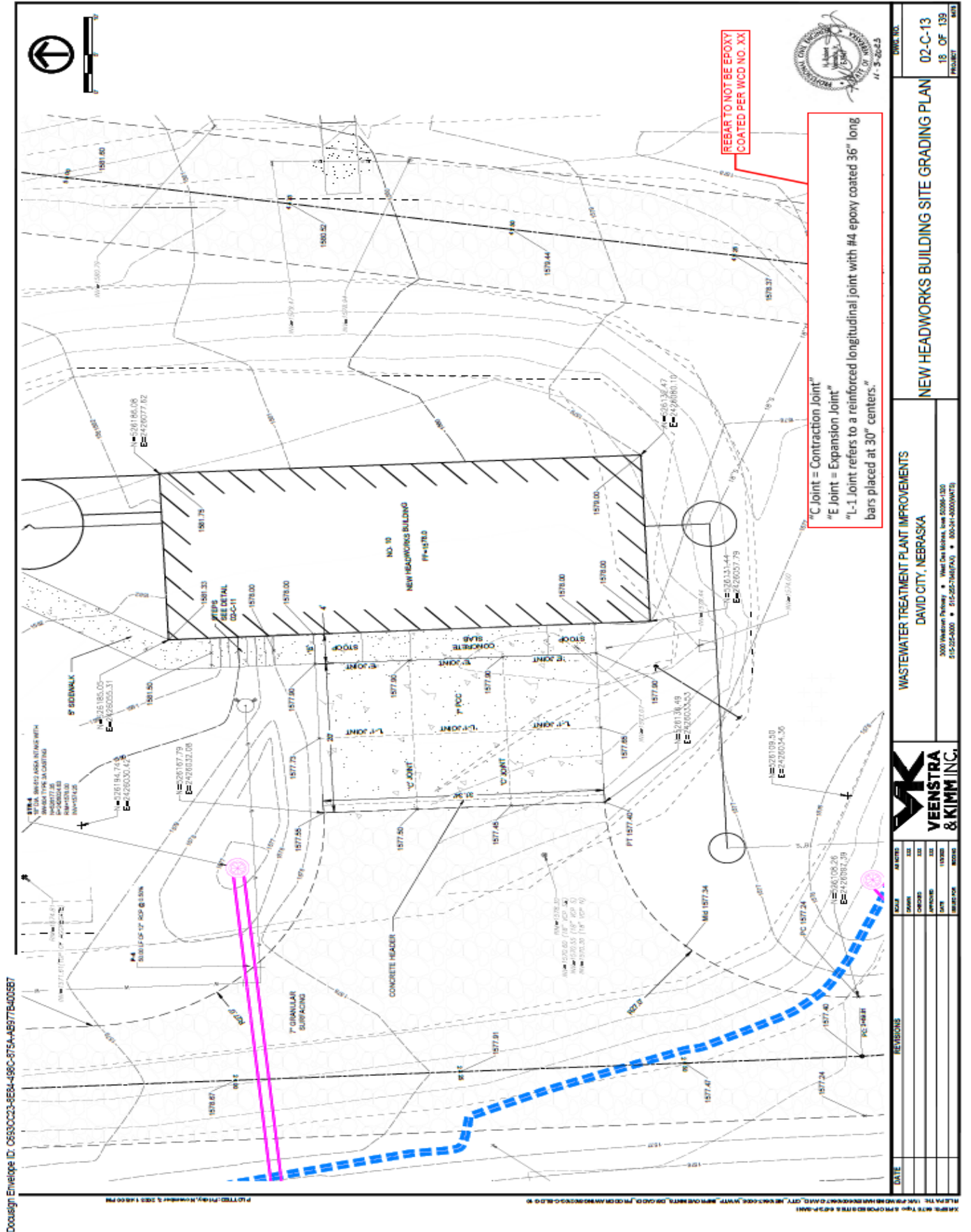
CONTRACTOR

Date

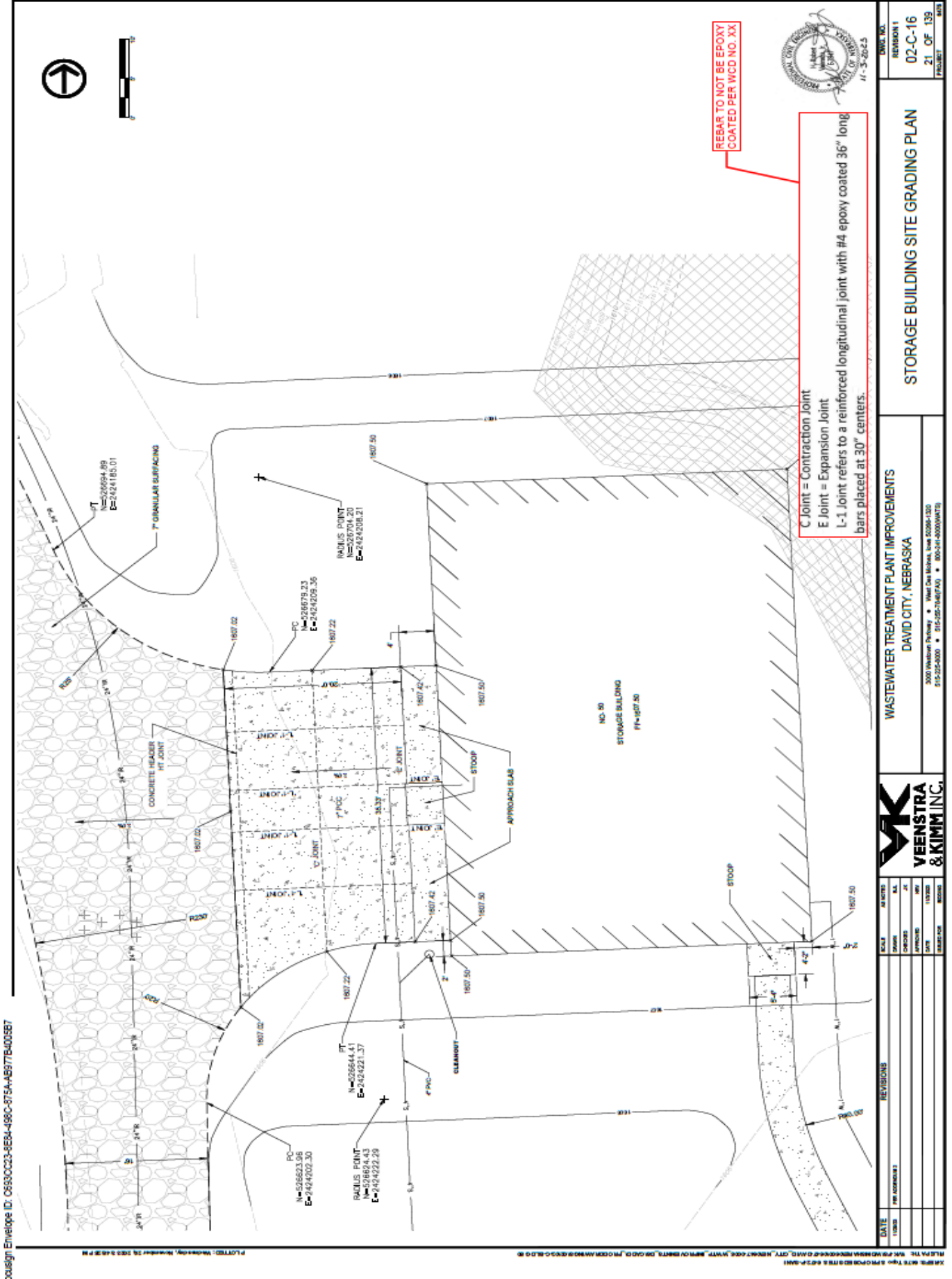
Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner



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REBAR TO NOT BE EPOXY COATED PER WCD NO. XX

C Joint = Contraction Joint
 E Joint = Expansion Joint
 L-J Joint refers to a reinforced longitudinal joint with #4 epoxy coated 36" long bars placed at 30" centers.



DATE	REVISIONS	SCALE	AS NOTED	DATE	BY	REVISIONS
11/20/23						

DATE 11/20/23 PER APPROVAL [Signature]	WASTEWATER TREATMENT PLANT IMPROVEMENTS DAVID CITY, NEBRASKA 3000 Waterloo Parkway • West Omaha, Nebraska 68130 402-441-4000 • 402-441-4001 • 402-441-4002	STORAGE BUILDING SITE GRADING PLAN PROJECT 02-C-16 21 OF 139 SHEET
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Work Change Directive

WORK CHANGE DIRECTIVE NO. | 20
DATE | 1/29/2026
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):

Description Change to the scope of work to add 2 16" 22.5° bend fittings to be used in influent piping to existing SBRs.

Purpose of Change Directive Change is to allow change in elevation of 16" influent piping to not hit existing air piping.

Attachment(s) _____

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price

- Unit Prices
- Lump Sum
- Other N/A

Method of Determining Change in Contract Times

- CONTRACTOR's Records
- ENGINEER's Records
- Other N/A

Estimated Increase (Decrease) in Contract Price

\$ TBD

Estimated Increase (Decrease) in Contract Times

0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

CONTRACTOR

Date

Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner



Work Change Directive

WORK CHANGE DIRECTIVE NO. | 21
DATE | 1/29/2026
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):

Description Change to the scope of work to remove the installation of 1 yard hydrant and piping adjacent to the headworks building and to add the installation of conduit around the water service feeding the headworks building.

Purpose of Change Directive Change is due to Owner request.

Attachment(s) _____

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price

- Unit Prices
 Lump Sum
 Other N/A

Method of Determining Change in Contract Times

- CONTRACTOR's Records
 ENGINEER's Records
 Other N/A

Estimated Increase (Decrease) in Contract Price
\$ TBD

Estimated Increase (Decrease) in Contract Times
0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

CONTRACTOR

Date

Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner

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FERGUSON WATERWORKS #2923
1251 N CENTURY AVE
KANSAS CITY, MO 64120-2923

Phone: 816-627-2706
Fax: 816-920-5723

Deliver To:	-
From:	Trevor Dehart trevor.dehart@ferguson.com
Comments:	

11:04:03 JAN 19 2026

FERGUSON WATERWORKS #2923

Price Quotation

Phone: 816-627-2706

Fax: 816-920-5723

Bid No: B448797
Bid Date: 01/15/26
Quoted By: TXD

Cust Phone: 785-290-1128
Terms: NET 10TH PROX

Customer: BRB CONTRACTORS INC
3805 NW 25TH ST
DAVID CITY WWTP IMPROVEME
(PLANT DIVISION)
TOPEKA, KS 66618

Ship To: BRB CONTRACTORS INC
3461 M RD
DAVID CITY WWTP IMPROVEMEN
-
DAVID CITY, NE 68632

Cust PO#: R044

Job Name:

Item	Description	Quantity	Net Price	UM	Total
KE2TK	#2 ECL POST HYD 2 FIPT 3' BURY SEQ #: 860 #2 ECLIPSE POST HYD - 5' BURY DEPTH	6	2039.460	EA	12236.76

Net Total: \$12236.76
Tax: \$0.00
Freight: \$0.00
Total: \$12236.76

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.

Due to the uncertain impact of potential tariffs, Ferguson's quotation/proposal has not included any provision or contingency for future tariffs or increase of existing tariffs. Ferguson reserves the right to adjust prices to reflect the impact of any new or increased tariffs that affect our costs at the time of shipment. Ferguson will provide notice of any such adjustments along with documentation supporting the changes.

CONTRACTOR CUSTOMERS: IF YOU HAVE DBE/MBE/WBE/VBE/SDBE/SBE GOOD FAITH EFFORTS DIVERSITY GOALS/ REQUIREMENTS ON A FEDERAL, STATE, LOCAL GOVERNMENT, PRIVATE SECTOR PROJECT, PLEASE CONTACT YOUR BRANCH SALES REPRESENTATIVE IMMEDIATELY PRIOR TO RECEIVING A QUOTE/ORDER.

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.



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=2923&on=36419>



Work Change Directive

WORK CHANGE DIRECTIVE NO. | 22
DATE | 1/29/2026
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):
Description Change to the scope of work to replace the existing 5kVa, 1PH stepdown transformer with one that includes has a tap on the secondary side.

Purpose of Change Directive Change is to eliminate unnecessary installation of new wire that will be replaced soon in future project.

Attachment(s) _____

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price
 Unit Prices
 Lump Sum
 Other N/A

Method of Determining Change in Contract Times
 CONTRACTOR's Records
 ENGINEER's Records
 Other N/A

Estimated Increase (Decrease) in Contract Price
\$ TBD

Estimated Increase (Decrease) in Contract Times
0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

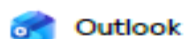
CONTRACTOR

Date

Date

Date

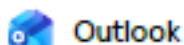
cc: Project Manager, Resident Project Representative, Contractor, Owner



120 volt circuits for instruments on sbr 1,2, 3, 4

From Chuck Gee <chuck@bandces.com>
Date Fri 3/13/2026 3:56 PM
To Josh Klug <JoshKlug@brbcontractors.com>

the original prints called for one circuit from lp1 to 1 and 2 sbr and one circuit for 3 and 4. Aqua has stated that this would create process difficulty's if the would need to be shut off or trip it would shut down 2 basins. they would like 4 circuits taken to the aqua panel. I would eliminate problems in the future. Chuck
This would require additional #12 wire and relocating circuits from lp1 to aqua panel. cost \$950.00



control additions at headwork

From Chuck Gee <chuck@bandces.com>
Date Sun 3/22/2026 7:15 AM
To Josh Klug <JoshKlug@brbcontractors.com>

We were asked to supply additional control wiring to the sluice gate at the headworks. 8 more digital wires they will require conduit also. \$1900.00 We were also asked to add 3 analog wires to the gas detection system to control panel \$400 Chuck Let me know how to proceed.

B & C Electrical Services LLC
3639 Highway 39
Genoa, NE 68640-3102
becky@bandces.com

Estimate

ADDRESS

BRB Contractors, Inc.
4646 NW Fielding Rd
PO Box 750940
Topeka, KS 66618
United States

ESTIMATE # 1016

DATE 02/12/2026

ACTIVITY	QTY	RATE	AMOUNT
----------	-----	------	--------

David City Wastewater Improvement Project-
David City, Nebraska-
WCD 22

Job Materials
Delete 2 #6 and 1 #10 Wire and add 1 5kv Multitap
Transformer for Effluent Building
This will result in a deduct of \$3,950.

.....
TOTAL

Accepted By

Accepted Date

David City Wastewater Treatment Facility
 JEO

Cost Proposal: Multiple
 Date: 4/8/2026

Class of Work	QTY.	Unit	Unit Labor	Labor Hours	Total Labor	Unit Material	Extended Material	Equipment Cost	Sub Contract
Rebar Deduct	2.00	EA			0.00		(1350.00)		
Yard Hydrant Deduct	1.00	EA	130.00	(20.00)	(2600.00)		(2039.46)		
Additional 16" Fittings At SBR	1.00	EA	130.00	40.00	5200.00		6298.76		
Tracer Wire	1.00	EA	130.00	10.00	1300.00		1150.00		
Electrical Wiring Deduct	1.00	EA			0.00				(700.00)
	0.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
Sub Totals:					\$3,900.00		\$4,059.30	\$0.00	-\$700.00

Material Sub-Total	\$4,059.30	Rebar: \$540 per ton less x 2.5 tons
Labor Sub-Total	\$3,900.00	Yard Hydrants (1): material + 1/2 day of labor for installation
Subcontractor-Total	-\$700.00	Tracer Wire: \$0.23/FT, approximately 5000 FT
Equipment Sub-Total	\$0.00	Fittings: additional day of labor for a four man crew
Sub-Total	\$7,259.30	
Sub-Total Without Sub	\$7,959.30	
Contractor's Fee	\$1,193.90	
Sub-Contractors Fee	-\$70.00	
Sub-Total	\$8,383.20	
Insurance and Bond	\$167.66	
Total	\$8,550.86	



To JEO and the City of David City,

BRB Contractors was asked to provide a cost for modifications on the David City Wastewater Treatment Facility project as part of several changes of conditions. Modifications include programming changes as part of WCD #23 and a deduct from the previous additions to the flowmeter due to classification clarifications.

The cost of these modifications will be \$11,684.51. HOA's breakdown of costs is attached below. If you have any questions, feel free to reach out.

Thank You,
Josh Klug
Project Manager
BRB Contractors, Inc





Work Change Directive

WORK CHANGE DIRECTIVE NO. | 23
DATE | 3/05/2026
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):
Description DRAFT change to the programming of the pumps in the lift station.

Purpose of Change Directive Change is to allow for maximum flow directed towards the SBR basins for treatment.

Attachment(s) _____

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price

- Unit Prices
- Lump Sum
- Other N/A

Method of Determining Change in Contract Times

- CONTRACTOR's Records
- ENGINEER's Records
- Other N/A

Estimated Increase (Decrease) in Contract Price

\$ 0

Estimated Increase (Decrease) in Contract Times

0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

CONTRACTOR

Date

Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner

DRAFT

WCD No. 23 – Lift Station Programing

1.01 LIFT STATION PROGRAMING

A. Influent Pump Station Sluice Gate

1. Provide for control and monitoring of electrically actuated sluice gate from Headworks SCADA control panel (CP-2).
2. Provide 3-position (AUTO-LOCAL-OFF) selector switch on CP-2.
3. When in "Local" position, electrically operated valve shall be controlled locally at the gate actuator.
4. When in "Off" position, the gate shall be interlocked from operation and remain open. This shall be the default operation.
5. When in the "AUTO" position, automatically modulate electrically operated gate to maintain Operator adjustable level setpoint.
6. When SBR flow reaches the peak flow rate setpoint from the primary pumps, start closing the gate to reduce flow into the Primary Pump Station. Gate positions shall be adjusted every 30 seconds to ensure peak flows are not exceeded.
7. When SBR flow falls below the peak flow rate, open gate to allow more flow to the Primary Pump Station. Gate position shall be adjusted every 30 seconds to ensure peak flows are not exceeded.

B. Influent Lift Station – Primary Pumps

1. Three (3) Primary Pumps are located in the Wet Well. Only two pumps shall be allowed to run at the same time through control operations.
2. All treatment pumps shall be controlled via a level sensor in the treatment wet well. Pumps shall start when the wet well level reaches the elevations listed on the contract drawings. Set points shall be easily adjusted by Owner's personnel.
3. Normal Pump Operation:
 - a. Provide HAND-OFF-AUTO-REMOTE selector switch at MCC for each respective pump.
 - b. In HAND mode, the pump shall start and operate continuously at operator selected speed (50-100%) until the operator adjustable 'Pump Off' liquid level is reached.
 - c. In OFF mode, the pump shall be interlocked from operating.
4. Auto Mode
 - a. The Primary Lift Pumps shall be controlled via level sensor as described in this section to maintain a constant level in the wet well. Constant level point shall be operator settable. One pump shall start when the wet well level reaches the LEAD PUMP ON elevation. If the water level continues to rise to the LAG PUMP ON elevation, a second pump shall be called to run. If the water level continues to rise and reaches the HIGH WATER

- LEVEL, an alarm shall be generated. All Pumps shall stop when the wet well reaches the PUMP OFF elevation.
- b. Pump speed shall be scaled based on the water level in the operational range. Pumps shall start at 50% (minimum speed – final setpoint determined during startup) and shall increase speed proportionally with the water level to maintain a constant level. The next level setpoint shall correspond to 100% speed (corresponding to the duty curve) for each specific pump.
 - c. If two pump are operating, system shall monitor pump speeds and when speed reaches an operator settable minimum setpoint (65% speed – final setpoint determined during startup), system shall stop the lag pump and the lead pump shall continue operating to maintain the desired water level in the wet well.
 - d. System shall monitor the lift station magnetic flow meter and limit flow from the primary lift pumps to the SBR system. Maximum flow from the primary lift pumps shall be 3.1 MGD (2,150 gpm). System shall limit pump speed when two pumps are operating to not exceed the maximum flow rate.
 - e. All level sensor set points shall be easily adjustable by Owner's personnel at the TPCP/LSCP HMI.
 - f. Pumps shall be configured to automatically alternate between successive pump starts. If the motor running signal is not received within one minute from the call to run signal being sent, the next pump shall be signaled to run and a motor fail run alarm shall be generated.
5. In addition to the level sensor, backup floats are being provided if the level sensor signal is ever lost. The sequence of operations shall follow the same scheme as the level sensor normal operations without speed control. The float system shall be activated if the level sensor signal is lost and the level ever reaches the HWL float, and an alarm shall be generated. Once the level sensor signal is restored, the operator will be prompted to switch back to level sensor control through TPCP / LSCP.
6. The HIGH WATER LEVEL float shall be installed outside the range of the level sensor. When the HIGH WATER LEVEL float is reached, and a PLC active signal is not received, two pumps shall be called to run and shall remain on until the water recedes to the PUMP OFF float. This mode shall only become active when the PLC is out of service.
- a. A call to run relay shall be included for all three pumps when the HIGH WATER LEVEL is reached, but there shall be an alternating relay that determines which pump the high water run signal is not sent to, maintaining the requirement that only 2 out of 3 pumps are allowed to run at the same time. If any of the three treatment pumps are out of service, the alternator shall be bypassed and the call to run shall be sent to the remaining two pumps.
7. Additional Alarms Generated:
- a. Treatment Wet Well High Alarm

DRAFT

- b. Backup Float Mode Active
- 8. Control / Monitoring Parameters:
 - a. Run Command (each motor)
 - b. Drive Running (each motor)
 - c. Drive Fault (each motor)
 - d. Motor Overtemp (each motor)
 - e. Seal Fail (each motor)
 - f. Speed Command
 - g. Speed Feedback
- C. Secondary Wet Well
 - 1. Two (2) Secondary Pumps are located in the secondary wet well. Only one pump shall be allowed to run at any given time through control operations.
 - 2. All pumps shall be controlled via a level sensor in the wet well. Pumps shall start when the wet well level reaches the elevations listed on the contract drawings. Set points shall be easily adjusted by Owner's personnel.
 - 3. Normal Pump Operation:
 - a. Provide HAND-OFF-AUTO-REMOTE selector switch at MCC for each respective pump.
 - b. In HAND mode, the pump shall start and operate continuously at operator selected speed (50-100%) until the operator adjustable 'Pump Off' liquid level is reached.
 - c. In OFF mode, the pump shall be interlocked from operating.
 - 4. Auto Mode
 - a. The Secondary Wet Well Lift Pumps shall be controlled via level sensor as described in this section to maintain a constant level in the wet well. One pump shall start when the wet well level reaches the PUMP ON elevation. If the water level continues to rise and reaches the HIGH WATER LEVEL, an alarm shall be generated. Pump shall stop when the wet well reaches the PUMP OFF elevation.
 - b. Pump speed shall be scaled based on the water level in the operational range. Pump shall start at 50% (minimum speed– final setpoint determined during startup) and shall increase speed proportionally with the water level to maintain a constant level. The next level setpoint shall correspond to 100% speed (corresponding to the duty curve) for the pump.
 - c. All level sensor set points shall be easily adjustable by Owner's personnel at the TPCP/LSCP HMI.
 - d. Pumps shall be configured to automatically alternate between successive pump starts. If the motor running signal is not received within one minute from the call to run signal being sent, the next pump shall be signaled to run and a motor fail run alarm shall be generated.

DRAFT

5. In addition to the level sensor, backup floats are being provided if the level sensor signal is ever lost. The sequence of operations shall follow the same scheme as the level sensor normal operations without speed control. The float system shall be activated if the level ever reaches the HWL float, and an alarm shall be generated. Once the level sensor signal is restored, the operator will be prompted to switch back to level sensor control through TPCP / LSCP.
6. The HIGH WATER LEVEL float shall be installed outside the range of the level sensor. When the HIGH WATER LEVEL float is reached, and a PLC active signal is not received, one pump shall be called to run and shall remain on until the water recedes to the PUMP OFF float. This mode shall only become active when the PLC is out of service.
 - a. A call to run relay shall be included for both pumps when the HIGH WATER LEVEL is reached, but there shall be an alternating relay that determines which pump the high water run signal is not sent to, maintaining the requirement that only 1 out of 2 pumps is allowed to run at the same time. If either of the equalization pumps are out of service, the alternator shall be bypassed and the call to run shall be sent to the remaining pump.
7. Additional Alarms Generated:
 - a. Equalization Wet Well High Alarm
 - b. Equalization Wet Well Low Alarm
 - c. Backup Float Mode Active
8. Control / Monitoring Parameters:
 - a. Run Command (each motor)
 - b. Drive Running (each motor)
 - c. Drive Fault (each motor)
 - d. Motor Overtemp (each motor)
 - e. Seal Fail (each motor)
 - f. Speed Command
 - g. Speed Feedback

END OF SECTION



Change Order Request # 2 ADDITION

**Hydro
 Optimization
 and Automation
 Solutions**

2601 West "L" Street, Suite 1
 Phone: 402-467-3750 Fax: 402-467-1568

Date: 3/31/2026		Submitted By: Bradyn Hilgenfeld, Project Manager		Page No. <u>1</u> of <u>1</u>	
Proposal Submitted to: BRB		Attn: Josh Klug		Phone: (785) 477-3094	
Address 4646 NW Fielding Rd		Job Name David City WWTP Improvements		Fax:	
City Topeka	State KS	Zip Code 66675	Job Location David City	State NE	
Engineer JEO		Engineer Project Number 6475			

The following changes have occurred from the original Scope of Work resulting in an addition to the original contract in the amount of \$10,414.00

Includes:

- Changes to CP-2 Relay Logic, and Relay Voltage
- Changes to CP-2 PLC Programming
- Reinstallation of CP-2

- New Float Mode Junction Box Panel
- Programming Float Mode Junction Box
- Providing 120VAC ISRs for Junction Boxes+\$17,610.00

- DEDUCT: Previous C1D2 Addition to Flow Meter (FE25-1)- \$7,196.00

Please sign and date this proposal and return one copy to our office.

Ten-Thousand Four-Hundred and Fourteen _____ dollars (**\$10,414.00**)

Payment to be made as follows: **Payment in Full Upon Completion of Work – plus all applicable taxes**

******Taxes are not included in this Proposal******

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. HOA employees are fully covered by Workmen's Compensation Insurance.

Authorized HOA Signature *Bradyn Hilgenfeld*

Note: This change order may be withdrawn by us if not accepted within Thirty (30) days

Acceptance of Change Order – The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance _____

Printed Name _____

David City Wastewater Treatment Facility

Cost Proposal: HOA Modifications
 Date: 4/8/2026

Class of Work	QTY.	Unit	Unit Labor	Labor Hours	Total Labor	Unit Material	Extended Material	Equipment Cost	Sub Contract
HOA Programming and Flowmeter Modifications	1.00	EA			0.00				10414.00
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	0.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
Sub Totals:					50.00		50.00		\$10,414.00

Material Sub-Total 50.00
 Labor Sub-Total 50.00
 Subcontractor-Total \$10,414.00
 Equipment Sub-Total 50.00
 Sub-Total \$10,414.00
 Sub-Total Without Sub 50.00
 Contractor's Fee 15.00% 50.00
 Sub-Contractors Fee 10.00% \$1,041.40
 Sub-Total \$11,455.40
 Insurance and Bond 2.00% \$229.11
 Total \$11,684.51

Rebar: \$5.40 per ton less x 2.5 tons
 Yard Hydrants (1): material + 1/2 day of labor for installation
 Tracer Wire: \$0.23/FT, approximately 5000 FT
 Fittings: additional day of labor for a four man crew



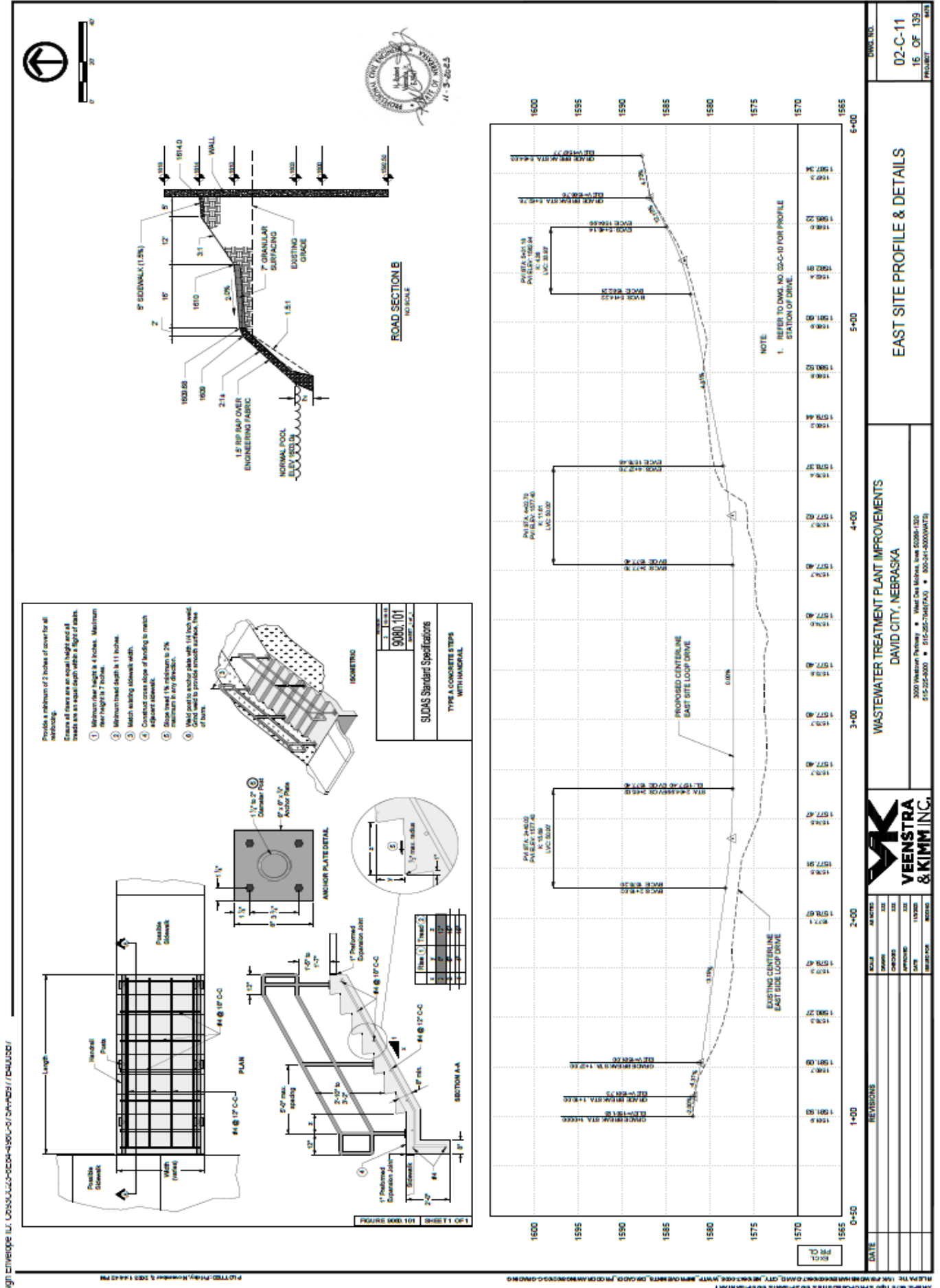
To JEO and the City of David City,

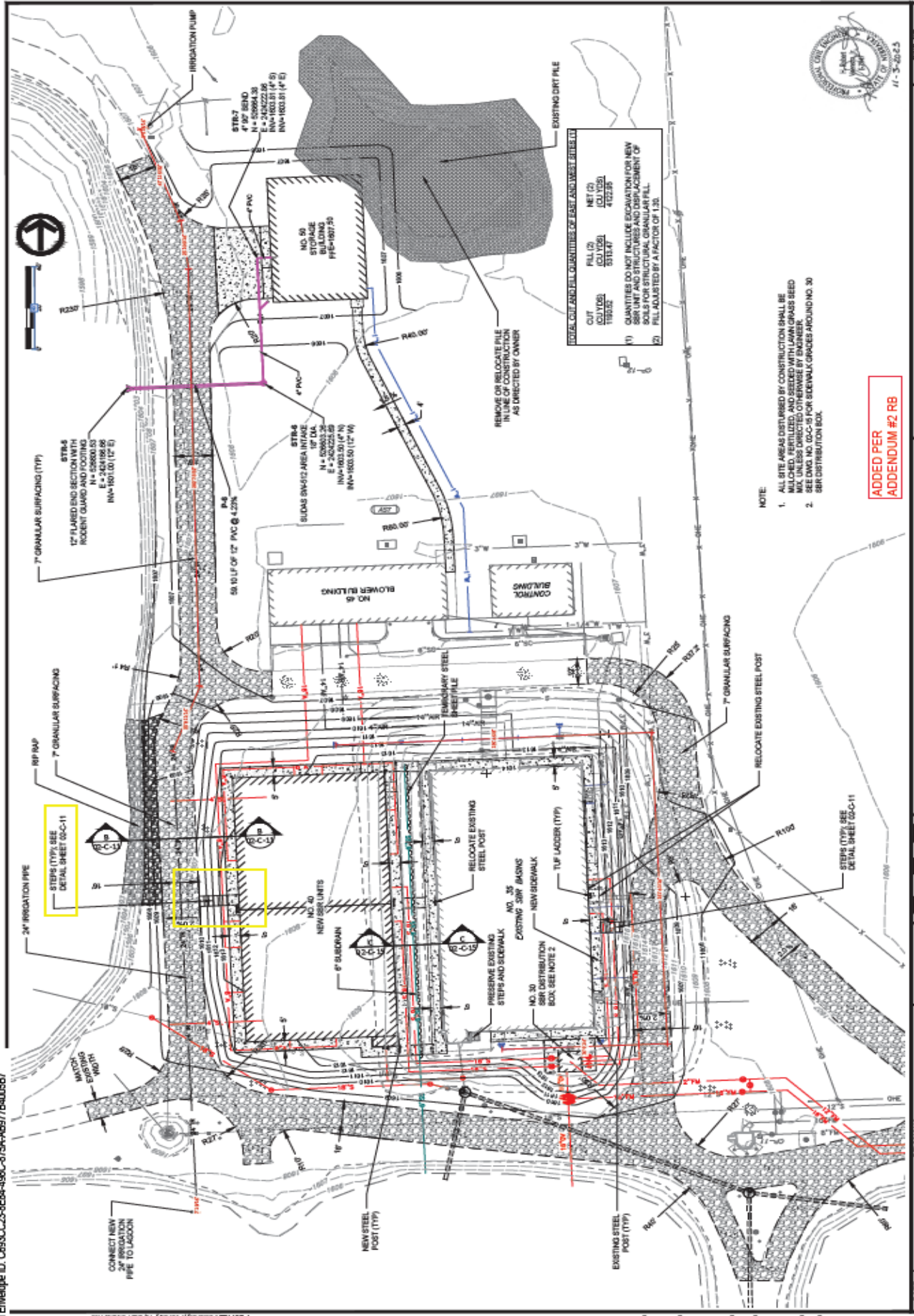
Per WCD #26, the stairway on the slope leading to the new SBR basin per 02-C-11 and 02-C-12 is not necessary for the city. As such, BRB is offering a deduct of \$6,000.00 for removing the requirement from the scope. Instead of a sidewalk, the area will remain graded like the rest of the hill. If you have any questions, feel free to reach out.

Thank You,

Josh Klug
Project Manager
BRB Contractors, Inc







TOTAL CUT AND FILL QUANTITIES OF EAST AND WEST SITES	
CUT (CY)	NET (CY)
1022.00	4122.00
1182.00	5124.00

(1) QUANTITIES DO NOT INCLUDE EXCAVATION FOR NEW SBR UNIT AND STRUCTURES AND DISPLACEMENT OF SOILS FOR STRUCTURAL GRANULAR FILL.
 (2) FILL ADJUSTED BY A FACTOR OF 1.35.

NOTE:
 1. ALL SITE AREAS DISTURBED BY CONSTRUCTION SHALL BE MULCHED, REVEGETATED, AND SEEDED WITH LAWN GRASS SEED MAX. UNLESS DIRECTED OTHERWISE BY ENGINEER.
 2. SEE DWG. NO. 02-C-15 FOR SIDEWALK GRACES AROUND NO. 30 SBR DISTRIBUTION BOX.

ADDED PER
 ADDENDUM #2 RB



DATE: 11/15/23		REVISIONS:	
DESIGNED BY: [Redacted]	CHECKED BY: [Redacted]	DATE: 11/15/23	BY: [Redacted]
PROJECT: WEST SITE GRADING PLAN WASTEWATER TREATMENT PLANT IMPROVEMENTS DAVID CITY, NEBRASKA 3000 W. 25th Street • 68504 • 402-251-7447 FAX • 402-251-2000			
WEST SITE GRADING PLAN REVISION 1 02-C-12 17 OF 139		DWG. NO. 02-C-12 PROJECT: WEST SITE GRADING PLAN	



To JEO and the City of David City,

BRB Contractors was asked to provide a cost for modifications on the David City Wastewater Treatment Facility project. Modifications include changing the lighting in the blower building.

The cost of these modifications will be \$10,771.20. B&C's pricing is attached below. If you have any questions, feel free to reach out.

Thank You,
Josh Klug
Project Manager
BRB Contractors, Inc





Work Change Directive

WORK CHANGE DIRECTIVE NO. | 27
DATE | 4/3/2026
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):

Description Remove existing light fixtures in Blower Room / Garage and install new lighting fixtures in blower room per attached PDF.

Purpose of Change Directive Replace existing light fixtures to increase visibility per Owner's request.

Attachment(s) Updated Sheet 45-E-1 - Blower Building Electrical Plan with revised lighting plan markups

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price
 Unit Prices
 Lump Sum
 Other N/A

Method of Determining Change in Contract Times
 CONTRACTOR's Records
 ENGINEER's Records
 Other N/A

Estimated Increase (Decrease) in Contract Price
\$ TBD

Estimated Increase (Decrease) in Contract Times
0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

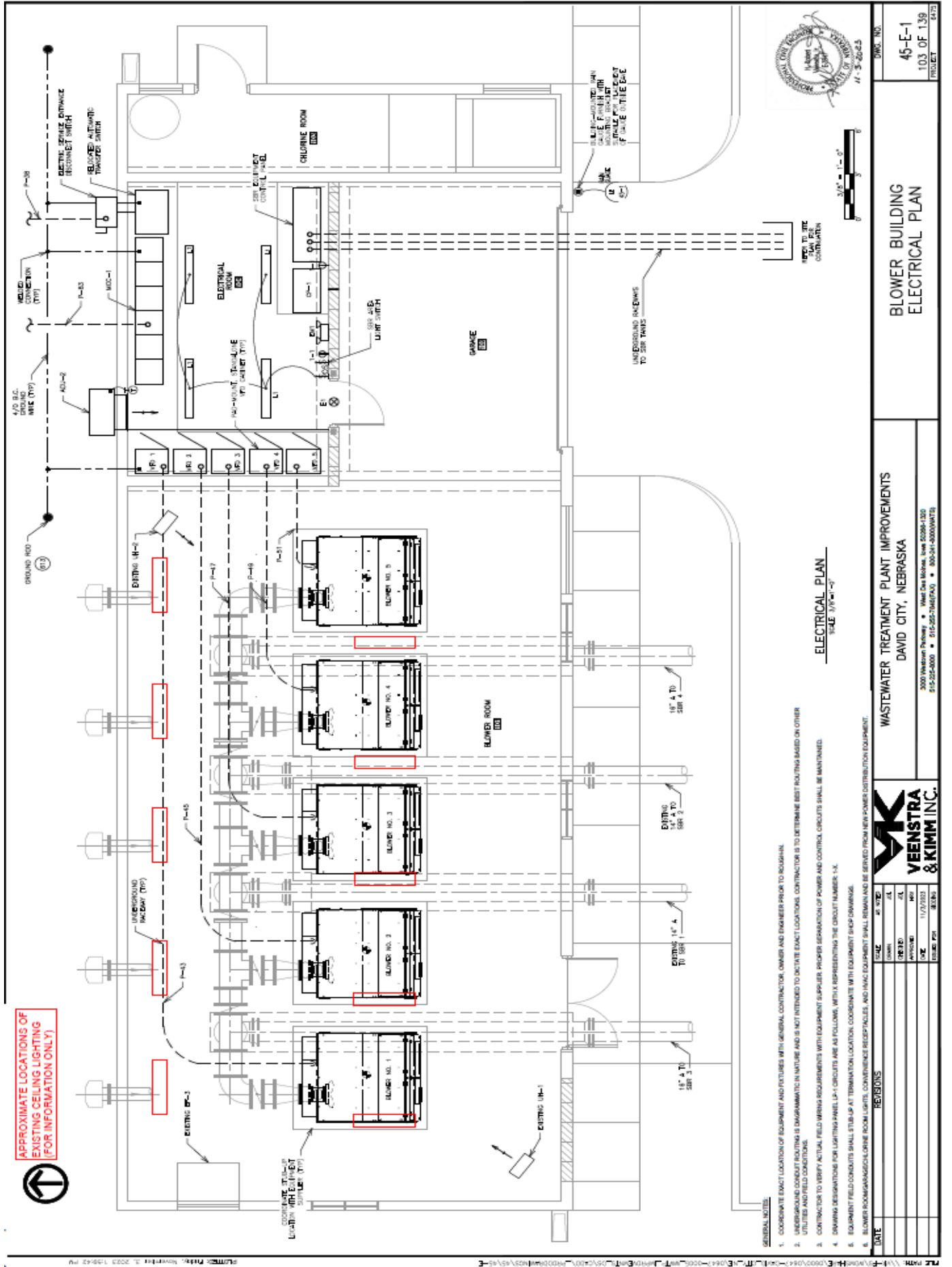
CONTRACTOR

Date

Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner



APPROXIMATE LOCATIONS OF EXISTING CEILING LIGHTING (FOR INFORMATION ONLY)



- GENERAL NOTES:**
- COORDINATE EXACT LOCATION OF EQUIPMENT AND UTILITIES WITH GENERAL CONTRACTOR, OWNER AND ENGINEER PRIOR TO BEGINNING.
 - UNDERGROUND CONDUIT ROUTING IS DIAGNOSTIC IN NATURE AND IS NOT INTENDED TO DICTATE EXACT LOCATIONS. CONTRACTOR IS TO DETERMINE BEST ROUTING BASED ON OTHER UTILITIES AND FIELD CONDITIONS.
 - CONTRACTOR TO VERIFY ACTUAL FIELD WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER. PROPER SEPARATION OF POWER AND CONTROL CIRCUITS SHALL BE MAINTAINED.
 - CONDUIT DESIGNATIONS FOR LIGHTING PANEL (LP) CIRCUITS ARE AS FOLLOWS, WITH X REPRESENTING THE CIRCUIT NUMBER: 1-X.
 - EQUIPMENT FIELD CONDUITS SHALL STUB UP AT TERMINATION LOCATION. COORDINATE WITH EQUIPMENT SUPPLIER/DRAWER.
 - BLOWER ROOMS/CHLORINE ROOM LIGHTS, COMMENCEMENT RECEPTACLES AND HVAC EQUIPMENT SHALL REMAIN AND BE SERVED FROM EXISTING POWER DISTRIBUTION EQUIPMENT.

DATE: _____

REVISED: _____

BY: _____

DATE: 11/27/2023

SCALE: 1/8" = 1'-0"

WASTEWATER TREATMENT PLANT IMPROVEMENTS
 DAVID CITY, NEBRASKA

5255 Midway Parkway • Midway, Neb 68204, USA
 415-225-8800 • 415-225-7861(FAX) • 800-348-0000(INTERNET)

PROJECT: 45-E-1
 103 OF 139

BLOWER BUILDING
 ELECTRICAL PLAN

PROJECT: 45-E-1
 103 OF 139

VEENSTRA & KIMM INC.

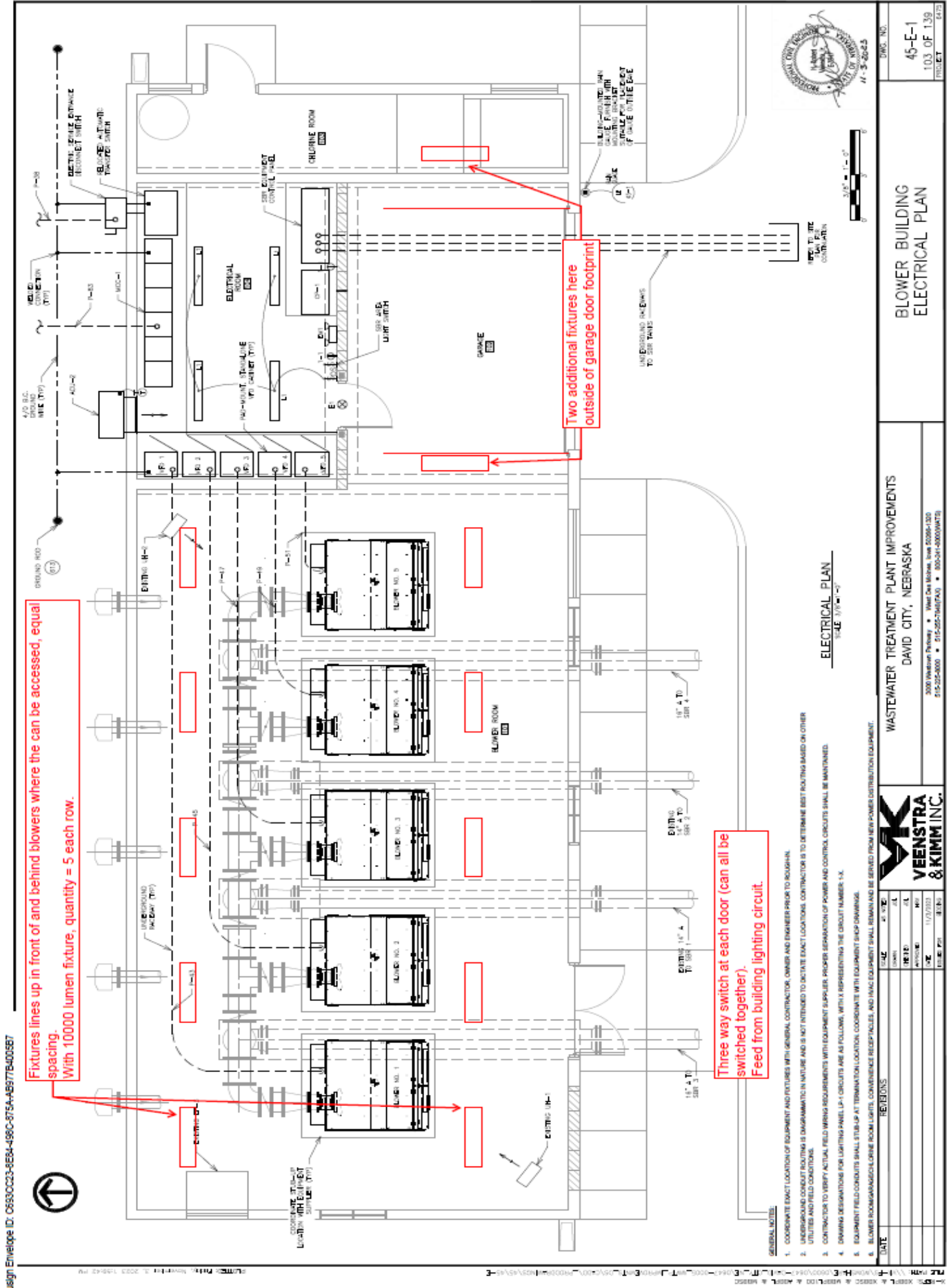
DATE: _____

REVISED: _____

BY: _____

DATE: 11/27/2023

SCALE: 1/8" = 1'-0"



esign Envelope ID: C693C023-8E84-486C-875A-4B97764005B7

DAVID CITY NEBRASKA
 CITY ENGINEER
 4-5-20-25

PROJECT
 45-E-1
 103 OF 139

SCALE: 1/8" = 1'-0"

DATE: 11/17/2023

PROJECT: BLOWER BUILDING ELECTRICAL PLAN

WASTEWATER TREATMENT PLANT IMPROVEMENTS
 DAVID CITY, NEBRASKA

3000 Westview Parkway • West Des Moines, Iowa 50395-1300
 515-252-8000 • 515-252-7400(FAX) • 800-341-0000(WATS)

VEENSTRA & KIMM INC.

DATE: 11/17/2023

PROJECT: BLOWER BUILDING ELECTRICAL PLAN

SCALE: 1/8" = 1'-0"

PROJECT: BLOWER BUILDING ELECTRICAL PLAN

GENERAL NOTES:
 1. COORDINATE EXACT LOCATION OF EQUIPMENT AND FIXTURES WITH GENERAL CONTRACTOR, OWNER AND ENGINEER PRIOR TO INSTALLATION.
 2. UNDERGROUND CONDUIT ROUTING IS DIAGRAMMATIC IN NATURE AND IS NOT INTENDED TO INDICATE EXACT LOCATIONS. CONTRACTOR IS TO DETERMINE BEST ROUTING BASED ON OTHER UTILITIES AND FIELD CONDITIONS.
 3. CONTRACTOR TO VERIFY ACTUAL FIELD WIRING REQUIREMENTS WITH EQUIPMENT SUPPLIER. PROPER SEPARATION OF POWER AND CONTROL CIRCUITS SHALL BE MAINTAINED.
 4. DRAWING DESIGNATIONS FOR LIGHTING PANEL LP-1 CIRCUITS ARE AS FOLLOWS, WITH X REPRESENTING THE CIRCUIT NUMBER: 1-X.
 5. EQUIPMENT FIELD CIRCUITS SHALL BE SET UP AT TERMINATION LOCATION. COORDINATE WITH EQUIPMENT SHOP DRAWINGS.
 6. BLOWER ROOMS/CHLORINE ROOM LIGHTS, CONVENIENCE RECEPTACLES, AND PUMP EQUIPMENT SHALL REMAIN AND BE SERVED FROM NEW POWER DISTRIBUTION EQUIPMENT.



Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

INTENDED USE — A general purpose and energy-efficient surface-mounted or suspended LED fixture, suitable for wet, damp and/or cold locations. For vapor-tight demanding environments where moisture or dust is a concern and where relatively low fixture mounting heights and wide fixture spacing are common. Not for use or installation in direct outdoor sunlight. Must be installed under canopy or covered ceiling. Typical applications include industrial facilities, parking garages, retail malls, multi-purpose rooms, garden centers, and food processing. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic/Polycarbonate Compatibility table for suitable use.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION

- One-piece SWR fiberglass housing with integral perimeter channel utilizing continuous poured-in-place NEMA 4X gasket.
- Captive polymeric latches are standard. Optional stainless steel latches (STSLS) are available.
- (2) 7/8" pre-drilled holes standard.
- Various optional wet location fittings are available.
 - 2 fittings on top (WLF, WLF4X).
 - 1 fitting on one end (WLFEND, WLFEND4X) or 2 fittings on each end (WLFEND2, WLFEND24X).
 - Single monoprint fitting (WLFMP, WLFMP4X) is available, L34 2' models only.

OPTICS

- Injection molded, acrylic lens (0.80" thick) in clear or frosted.
- UV stabilized polycarbonate lens (0.80" thick) in clear or frosted.
- 3 distributions (Medium, Wide, Parking Garage)

ELECTRICAL

- MVOLT (120-277V) Thermally protected, resetting, Class P, UL listed, CSA certified driver.
- HVOLT (347-480V) Thermally protected, resetting, Class P, UL listed, CSA certified driver.
- 0-10V Dimming driver is standard, dims to 10%.
- Fault-tolerant LED light engine continues to provide light even in the failure of one LED.
- FCC Title 47, Part 15, Subpart A compliant.
- 6kW/5kA surge rated per ANSI C82.77-5-2015 is standard.
- 10kW/5kA surge rated per ANSI C82.77-5-2015 is optional (SPDI).

INSTALLATION/MOUNTING

- 2 Stainless steel mounting brackets are standard. Surface or suspended mount with included ball (aircraft cable or chain).
- 2 Stainless steel dual-pendant mount brackets (DPMB) are optional. Surface, suspended mount with 3/8" threaded rod or suspended with included ball (aircraft cable or chain).
- 2 Stainless steel angle mount brackets (ANGBKT) are optional. Wall Mount.
- Stainless steel end mount brackets are optional. Suspended mount (aircraft cable or chain).
- Stainless steel quick mount brackets are optional. Surface mount.
- 2 Wet location fittings (WLF, WLF4X) on top are optional. Suspended mount with 1/2" trade size rigid conduit.
- 1 Wet location fitting (WLFMP, WLFMP4X) on top is optional. Suspended mount with 1/2" trade size rigid conduit (L34, 2' only).

LISTINGS

- CSA Certified to meet US and Canadian standards
- Suitable for use in wet locations
- IP65, IP66, IP67
- Optional IP69K rating
- NSF splash zone 2 rated
- NEMA4X rated
- IK rated (See chart)
- -40°F(-40°C) to 122°F (50°C) (See chart)
- DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DPL, to confirm which versions are qualified.

GOVERNMENT PROCUREMENT

BAA — Buy American/ri) Act: Product with the BAA option qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product with the BAA option also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA — Build America Buy America: Product with the BAA option also qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-america for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty-terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application.

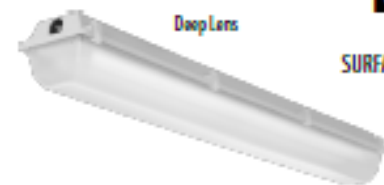
All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Low-Profile Enclosed and Gasketed Industrial

EMS LED

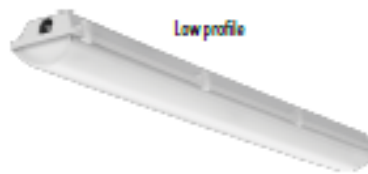
SURFACE / SUSPENDED / WALL MOUNT



Deep Lens



Low profile with sensor



Low profile



EMS LED

Low-Profile Enclosed and Gasketed



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative. **Example:** EMS L48 4000LM IMAFL WD MVOLT GZ10 40K 80CRI

Series	Length	Nominal Lumens	Diffuser	Distribution	Voltage	Driver	Color temperature	CRI
EMS	L24 24"	2000LM 2,000 lumens	IMAFL Acrylic, linear ribbed frosted lens	NO Medium	MVOLT 120-277V	GZ10 0-10V dimming	30K 3000K	60CRI 90 CRI
		3000LM 3,000 lumens	IMACD Acrylic, clear deep lens	NO N/A	120 120V		35K 3500K	90CRI 90 CRI
		4000LM 4,000 lumens	IMAFD Acrylic, deep frosted lens	PGD Parking garage	208 208V		40K 4000K	
		6000LM 6,000 lumens	LPAFL Acrylic, low profile frosted lens		240 240V		50K 5000K	
	L48 48"	3000LM 3,000 lumens	LPAFL Acrylic, low profile frosted lens		277 277V			
		4000LM 4,000 lumens	LPAFL Acrylic, low profile clear lens		347 347V			
		6000LM 6,000 lumens	LPPCL Polycarbonate, low profile clear lens		480 480V			
		8000LM 8,000 lumens	LPPCL Polycarbonate, low profile frosted lens					
	L96 96"	9000LM 9,000 lumens						
		12000LM 12,000 lumens						
		15000LM 15,000 lumens						
		18000LM 18,000 lumens						

Options		
<p>Emergency:</p> <p>BE6WCP 6W Emergency battery pack, certified to California T20 and registered in the Modernized Appliance Efficiency Database (MAEDBS), UL524 compliant, illuminated test switch, cold weather (-20°C min), internally mounted (120-277V) †</p> <p>E7W2H 7W Emergency battery pack, constant power, certified to California T20 and registered in the Modernized Appliance Efficiency Database (MAEDBS), UL524 compliant, illuminated test switch, 80°C min, internally mounted, 2hr runtime (120-277V) †</p> <p>E30W6CP 30W Emergency battery pack, constant power, certified to California T20 and registered in the Modernized Appliance Efficiency Database (MAEDBS), UL524 compliant, self-diagnostic, (5°C min), internally mounted (120-277V) †</p> <p>ETS Emergency lighting control device for UL524 operation when using auxiliary generator or central inverter †</p> <p>24VOP 24V Operation with emergency battery and 3 conductor cord or plug †</p> <p>Fittings:</p> <p>(blank) (2) Pre-drilled 1/8" holes with water tight plugs (both ends)</p> <p>WLF (2) Wet location fittings (top) †</p> <p>WLF4X (2) Wet location fittings (top), NEMA4X rated †</p> <p>WLFEND (1) Wet location fitting (one end) †</p> <p>WLFEND4X (1) Wet location fitting (one end), NEMA4X rated †</p> <p>WLFEND2 (2) Wet location fittings (both ends) †</p> <p>WLFEND4X (2) Wet location fittings (both ends), NEMA4X rated †</p> <p>WLFPNP (1) Wet location fitting (top, L24 only) †</p> <p>WLFPNP4X (1) Wet location fitting (top, L24 only), NEMA4X rated</p> <p>Mounting:</p> <p>(blank) (2) 316SS Surface mount brackets with 316SS balls for suspension applications</p> <p>ANGBK1 (2) 316SS Angle Brackets †</p> <p>DPMB (2) 316SS Dual pendant mounting bracket †</p> <p>EMK (2) 304SS End mount suspension brackets †</p> <p>QMB (2) 304SS Quick mount brackets †</p> <p>Other Options:</p> <p>AO Adjustable output dimming †</p> <p>BAA Buy America(s) Act and/or Build America Buy America Qualified</p> <p>DL Damp location †</p> <p>DRYBL Dry location †</p> <p>IP69K IP69K rating, includes vent plugs †</p> <p>SPD Surge protection device, additional TORNS&A</p> <p>STSL 316 Stainless steel latches</p> <p>TRSS Tamper Resistant T8-85 Torx™ T10 screws</p>	<p>Conduits:</p> <p>CNP16WNL Cord, no plug, 16 gauge, 3 conductors, white, wet location, 6 feet, other lengths available</p> <p>CNP16CWNL Cord, no plug, 16 gauge, 4 conductors for use with EMS satisfy, white, wet location, 6 feet, other lengths available †</p> <p>CNP16SCWNL Cord, no plug, 16 gauge, 5 conductors for use with ET controls or ETS device with 2 power sources, white, wet location, 6 feet, other lengths available †</p> <p>CNP16SCWNL Cord, no plug, 16 gauge, 5 conductors for 0-10V dimming, white, wet location, 6 feet, other lengths available †</p> <p>CPTL16W Cord with NEMA twist lock 15 amp plug, 16 gauge, white, damp location, 6 feet, other lengths available †</p> <p>CPTL16WNL Cord with NEMA twist lock 15 amp plug, 16 gauge, white, wet location, 6 feet, other lengths available †</p> <p>CPTL20A16W Cord with NEMA twist lock 20 amp plug, 16 gauge, white, damp location, 6 feet, other lengths available †</p> <p>CPTL20A16WNL Cord with NEMA twist lock 20 amp plug, 16 gauge, white, wet location, 6 feet, other lengths available †</p> <p>CPS16W Cord with NEMA straight blade 15 amp plug, white, damp location, 6 feet, other lengths available †</p> <p>CMCMB16WNL Cord with Brad Nini Change™ male connector, nonmetallic coupling nut, 3 pole, 16 gauge, yellow, wet location, 6 feet, other lengths available †</p> <p>MCRMB16WNL Receptacle with Brad Nini Change™ male connector, stainless steel coupling nut, 3 pole, 16 gauge leads, wet location †</p> <p>See chart for additional conduit options</p> <p>Reloc™:</p> <p>OCS Reloc™ One Pass™ circuit selector system drop, 18 gauge, 3 conductors, 6 feet, other lengths available †</p> <p>OCS4C Reloc™ One Pass™ circuit selector system drop, 18 gauge, 4 conductors, for use with EM battery, 6 feet, other lengths available †</p> <p>See chart for additional Reloc™ options</p>	<p>Sensor Switch Embedded Controls:</p> <p>SBORG 360° High Mount Sensor, (15-30' mounting heights, more options available), on/off occupancy, Sensor/control mounted external to the luminaire via a KO †</p> <p>SBORG D 3V 360° Low Mount Sensor, (8-15' mounting heights, more options available), high/low/off occupancy dimming, Sensor/control mounted external to the luminaire via a KO †</p> <p>SBORG P 360° High Mount Sensor, (15-30' mounting heights, more options available), on/off photocell, Sensor/control mounted external to the luminaire via a KO †</p> <p>See chart for additional control options</p> <p>Light Embedded Controls:</p> <p>NLTARZ Embedded wireless controls by night †</p> <p>NLTAREM2 Embedded wireless controls by night with UL524 listed emergency operation †</p> <p>NLTAREZ Embedded wireless controls by night with UL524 listed emergency operation via power sense leads †</p> <p>NLTARZ APBRO Embedded wireless controls by night, Passive Infrared Occ sensor with a auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO †</p> <p>NLTAREM2 APBRO Embedded wireless controls by night with UL524 listed emergency operation, Passive Infrared Occ sensor with auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO †</p> <p>NLTAREZ APBRO Embedded wireless controls by night with UL524 listed emergency operation via power sense leads, Passive Infrared Occ sensor with auto-dimming photocell, Sensor/control mounted external to the luminaire via a KO †</p> <p>See chart for additional control options</p>

NOTE: † Indicates option chosen has ordering restrictions. Please reference ordering restrictions chart, page 3. Options are sorted alphabetically.



EMS LED

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Accessories: Order as separate catalog number.

HMHC36	3 feet (36 inches) jack chain (ships as pair)	EMSA3GBKT	316SS Angle bracket (ships as pair) ‡
HMHHK120MS0	10 feet (120 inches) single leg air craft cable, galvanized (ships as pair)	EMSDPMB	316SS Dual pendant mounting bracket (ships as a pair) ‡
HMHHK120SS	10 feet (120 inches) single leg air craft cable, stainless steel (ships as pair)	EMSEMK	304SS End mount suspension brackets (ships as a pair) ‡
EMSTRS T10BIT	Hex-base driver bit, Torx TX10, for tamper resistant screws with center reject pin	EMSQMB	304SS Quick mount brackets (ships as pair) ‡
		EMSSMB	316SS Surface mount bracket (ships as pair) ‡
		HMCDFB16WL	Receptacle with Brad Mini Change® female connector, non-metallic coupling nut, 3 pole, 16 gauge leads, wet location, for use with CMCMB16YWL cordset
		HCMCFB16YWL	Cord with Brad Mini Change® female connector, stainless steel coupling nut, 3 pole, 16 gauge, yellow, wet location, 6 feet, for use with the MCRMB16WL receptacle

Option Value Ordering Restrictions	
Option Value	Restriction
24VOP	Required when an EM battery and a 3-conductor or 5-conductor dimming control is selected. The driver and EM battery power inputs will be tied together and the fixture will not be able to be turned off without controls.
ANGBKT	ANGBKT for wall mount applications. If mounted in an upward orientation, fixture will be damp location listed only.
AD	Not available with L24, Sensor Switch embedded dimming controls, night embedded controls, 5 conductor dual voltage (ENP16SC) or 5 conductor dimming (ENP16SD) controls. Available with non-dimming Sensor Switch embedded controls (SBGA or SBGT; occupancy only).
BE6WCP	Utilizes <u>303A BLS</u> Cold-Pak battery. UL924 compliant. Not available with L24, 347, 480, HVOLT, ETS or ER controls. Available with 4 conductor (ENP16C) controls. Available with 3 conductor (ENP16, CPTL16, CPTL20A16) controls with 24VOP option.
CMCMB16YWL	Not available with ETS, ER controls or WLFEND2. Not NEMA4X rated.
ENP16ACWNL	Requires EM Battery. Not available with WLFEND2, ETS or ER control. Not NEMA4X rated.
ENP16SDWNL	Not available with ETS, AD, Sensor Switch embedded dimming controls, night embedded controls or WLFEND2. Available with non-dimming Sensor Switch embedded controls (SBGA; occupancy only). When ordered with EM battery, 24VOP is required. Not NEMA4X rated.
ENP16SCWNL	Available with ETS or ER controls only. Not NEMA4X rated.
ENP16WNL	Not available with ETS, ER controls or WLFEND2. When ordered with EM battery, 24VOP is required. Not NEMA4X rated.
CP5DW	Damp location only. Not available with ETS or ER controls. When ordered with EM battery, 24VOP is required. Not NEMA4X rated.
CPTL16W, CPTL20A16W	Damp location only. Not available with ETS or ER controls. When ordered with EM battery, 24VOP is required. Not NEMA4X rated.
CPTL16WNL, CPTL20A16WNL	Not available with ETS or ER controls. When ordered with EM battery, 24VOP is required. Not NEMA4X rated.
DL	Used to indicate when an external damp rated option is selected such as a plug, battery, hook, or other misc option. The luminaire will include a wet location label unless a damp rated option is selected. A wet location rated fixture is suitable for use in a damp application.
DPMB	Replaces standard surface mount bracket. For surface (rolling) or suspension mount applications using either 3/8" threaded rod or included ball with aircraft cable or chain.
DRYBL	Used to indicate when a dry location rated RELOC cable is selected. The luminaire will include a wet location label unless RELOC is selected. A wet location rated fixture is suitable for use in a dry application.
E7WZH	Utilizes <u>303A BLS</u> Cold-Pak battery. UL924 compliant. Not available with L24, 347, 480, HVOLT, ETS or ER controls. Available with 4 conductor (ENP16C) controls. Available with 3 conductor (ENP16, CPTL16, CPTL20A16) controls with 24VOP option.
E70WMC	Utilizes <u>Power Sentry® PS105SMC</u> battery. UL924 compliant. Not available with 347, 480, HVOLT, ETS or ER controls. Available with 4 conductor (ENP16C) controls. Available with 3 conductor (ENP16, CPTL16, CPTL20A16) controls with 24VOP option.
EM	Replaces standard surface mount bracket. For suspension mount applications with aircraft cable or chain. Requires WLFEND2. Not available with sensors or controls.
EMSA3GBKT	For wall mount applications. If mounted in an upward orientation, fixture will be damp location listed only.
EMSDPMB	For surface (rolling) or suspension mount applications using either 3/8" threaded rod or included ball with aircraft cable or chain.
EMSEMK	For suspension mount applications with aircraft cable or chain. Requires WLFEND2.
EMSSMB	Replacement for the standard mounting bracket that typically ships with fixture. For surface (rolling) or suspension mount applications using included ball with aircraft cable or chain.
EMSQMB	For surface mount applications.
ETS	Not available with L24, 347, 480, HVOLT, BE6WCP, E7WZH, E70WMC or ER controls. 120-277V only. Available with a 5 conductor dual voltage control (ENP16SC), but not required. Utilizes <u>303A ETS</u> emergency lighting control device.
HVOLT	HVOLT not available with L24 and 2000LM-4000LM or 148 3000LM-4000LM. HVOLT not available with L24 and controls in any luminaire package. Must specify voltage 347 or 480V.
IP50K	Requires STSL option. Not available with ENP16SC or ENP16SD (any color, any size). Not available with OCS or OCSAK (all sizes). Not available with SBOR or NI-TAIR AP19 sensors. Not available with wet location fittings WLT, WLFEND, WLFEND2.
L24	Not available with AD, BE6WCP, E7WZH, ETS, NI-TAIR2 or ER controls. When ordered with 2000LM, 3000LM or 4000LM, HVOLT not available, must specify 347 or 480.
L48	Not available with WLFPM or WLFPMPC. When ordered with 3000LM or 4000LM, HVOLT not available, must specify 347 or 480.
L96	Not available with WLFPM or WLFPMPC.
MCRMB16WL	Not available with WLFEND2. 24VOP required when ordered with EM battery. Not NEMA4X rated.
NDAIR2 AP19D, NDAIREM2 AP19D	Not available WLFEND2. When ordered with L24, HVOLT not available, must specify 347 or 480. Not NEMA4X rated. IP65 and IP66 rated.
NDAIRE2 AP19D	Not available with L24, HVOLT, 347, 480, WLFEND2. 120-277V only. Not NEMA4X rated. IP65 and IP66 rated.
NDAIR2, NDAIREM2	When ordered with L24, HVOLT not available, must specify 347 or 480. Not NEMA4X rated. IP65 and IP66 rated.
NDAIRE2	Not available with L24, HVOLT, 347 or 480. 120-277V only. Not NEMA4X rated. IP65 and IP66 rated.
OCS	Available in 6, 10, 15, 20, 25 feet lengths. Example: OCS10FT – 10ft long. Dry location rated; DRYBL is required. When ordered with EM battery, 24VOP is required.
OCSAK	Available in 6, 10, 15, 20, 25 feet lengths. Example: OCSAK10FT – 10ft long. Dry location rated; DRYBL is required. Available with EM battery only.
OMB	Replaces standard surface mount bracket. For surface mount applications.
SBOR6, SBORT0 0 3X, SBOR6P	Not available with WLFEND2. When ordered with L24, HVOLT not available, must specify 347 or 480. Not NEMA4X rated. IP65 and IP66 rated.
WLF	In addition to top mounted fittings, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends). L24 – 20 inches off-center, L48 – 48 inches off-center, L96/95.7 inches off-center. If cord is ordered, cord will exit from the end of the fixture. Not NEMA4X rated.
WLF4X	In addition to top mounted fittings, includes (2) Pre-drilled 7/8" holes with water tight plugs (both ends). L24 – 20 inches off-center, L48 – 48 inches off-center, L96/95.7 inches off-center. If cord is ordered, cord will exit from the end of the fixture.
WLFEND	Includes (1) Pre-drilled 7/8" hole with water tight plug (opposite end). If cord is ordered, cord will exit from the end of the fixture. Available with cord or sensor option. Choose only one. Not NEMA4X rated.
WLFEND2	Available with NI-TAIR2, NDAIREM2 or NDAIRE2 (night air IR only). Not available with NI-TAIR2 AP19D, NDAIREM2 AP19D or NI-TAIR2 AP19D (night air sensors), SBOR sensors or any cord options. Not NEMA4X rated.
WLFEND2-CK	Available with NI-TAIR2, NDAIREM2 or NDAIRE2 (night air IR only). Not available with NI-TAIR2 AP19D, NDAIREM2 AP19D or NI-TAIR2 AP19D (night air sensors), SBOR sensors or any cord options.
WLFEND4X	Includes (1) Pre-drilled 7/8" hole with water tight plug (opposite end). If cord is ordered, cord will exit from the end of the fixture. Available with cord or sensor option. Choose only one.
WLFPM	Not NEMA4X rated.



EMS LED

Low-Profile Enclosed and Gasketed



OPERATING CHARACTERISTICS ‡

Input Watts †	Length	Lumen Package	Distribution	Lens	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI					
					3000K		3500K		4000K		5000K						
					lm	lm	lm	lm	lm	lm	lm	lm					
13	L24	2000LM	MD	IMACD	2189	1849	2215	1913	2279	1952	2279	1952	Lumens				
					168	142	170	147	175	150	175	150	LPW				
				IMAFD	2170	1833	2196	1897	2259	1935	2259	1935	Lumens				
					167	141	169	146	174	149	174	149	LPW				
				IMAFI	2047	1729	2071	1789	2131	1825	2131	1825	Lumens				
					157	133	159	138	164	140	164	140	LPW				
				LPAFL	2155	1820	2180	1883	2244	1921	2244	1921	Lumens				
					166	140	168	145	173	148	173	148	LPW				
				LPAFL	2156	1821	2181	1884	2245	1922	2245	1922	Lumens				
					166	140	168	145	173	148	173	148	LPW				
				LPPCL	2176	1838	2202	1902	2265	1940	2265	1940	Lumens				
					167	141	169	146	174	149	174	149	LPW				
				LPPFL	1938	1637	1961	1694	2018	1728	2018	1728	Lumens				
					149	126	151	130	155	133	155	133	LPW				
				20	L24	3000LM	MD	IMACD	3250	2745	3288	2840	3384	2898	3384	2898	Lumens
									163	137	164	142	169	145	169	145	LPW
IMAFD	3222	2721	3240					2816	3354	2872	3354	2872	Lumens				
	161	136	163					141	168	144	168	144	LPW				
IMAFI	3039	2567	3075					2656	3164	2709	3164	2709	Lumens				
	152	128	154					133	158	135	158	135	LPW				
LPAFL	3199	2702	3237					2796	3331	2852	3331	2852	Lumens				
	160	135	162					140	167	143	167	143	LPW				
LPAFL	3201	2703	3239					2797	3332	2854	3332	2854	Lumens				
	160	135	162					140	167	143	167	143	LPW				
LPPCL	3230	2728	3268					2823	3363	2880	3363	2880	Lumens				
	162	136	163					141	168	144	168	144	LPW				
LPPFL	2877	2430	2911					2515	2996	2565	2996	2565	Lumens				
	144	122	146					126	150	128	150	128	LPW				
26	L24	4000LM	MD					IMACD	4370	3691	4422	3819	4550	3896	4550	3896	Lumens
									168	142	170	147	175	150	175	150	LPW
				IMAFD	4332	3659	4383	3786	4510	3862	4510	3855	Lumens				
					167	141	169	146	173	149	173	148	LPW				
				IMAFI	4086	3451	4134	3571	4254	3643	4254	3643	Lumens				
					157	133	159	137	164	140	164	140	LPW				
				LPAFL	4302	3633	4352	3759	4478	3835	4478	3835	Lumens				
					165	140	167	145	172	148	172	148	LPW				
				LPAFL	4304	3635	4355	3761	4481	3837	4481	3837	Lumens				
					166	140	168	145	172	148	172	148	LPW				
				LPPCL	4344	3669	4395	3796	4522	3872	4522	3872	Lumens				
					167	141	169	146	174	149	174	149	LPW				
				LPPFL	3869	3268	3914	3381	4028	3449	4028	3449	Lumens				
					149	126	151	130	155	133	155	133	LPW				
				41	L24	6000LM	MD	IMACD	6507	5495	6583	5686	6774	5801	6774	5801	Lumens
									159	134	161	139	165	141	165	141	LPW
IMAFD	6480	5447	6526					5637	6715	5750	6715	5750	Lumens				
	157	133	159					137	164	140	164	140	LPW				
IMAFI	6083	5138	6155					5316	6333	5423	6333	5423	Lumens				
	148	125	150					130	154	132	154	132	LPW				
LPAFL	6404	5409	6480					5597	6667	5710	6667	5710	Lumens				
	156	132	158					137	163	139	163	139	LPW				
LPAFL	6408	5412	6483					5600	6671	5713	6671	5713	Lumens				
	156	132	158					137	163	139	163	139	LPW				
LPPCL	6467	5462	6543					5651	6732	5765	6732	5765	Lumens				
	158	133	160					138	164	141	164	141	LPW				
LPPFL	5760	4865	5828					5034	5997	5135	5997	5135	Lumens				
	140	119	142					123	146	125	146	125	LPW				

Notes †	
Input Watts	120VAC
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



EMS LED

Low-Profile Enclosed and Gasketed



OPERATING CHARACTERISTICS †

Input Watts †	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI					
					3000K		3500K		4000K		5000K						
19	L48	3000LM	MD	IMACD	3002	2536	3038	2624	3126	2677	3126	2677	Lumens				
					158	133	160	138	165	141	165	141	LPW				
				IMAFD	2976	2514	3011	2601	3098	2653	3098	2653	Lumens				
					157	132	158	137	163	140	163	140	LPW				
				IMAFI	2807	2371	2840	2453	2922	2503	2922	2503	Lumens				
					148	125	149	129	154	132	154	132	LPW				
				LPAFL	2955	2496	2990	2583	3077	2635	3077	2635	Lumens				
					156	131	157	136	162	139	162	139	LPW				
				LPAFL	2957	2497	2992	2584	3078	2636	3078	2636	Lumens				
					156	131	157	136	162	139	162	139	LPW				
				LPPCL	2984	2520	3019	2608	3107	2660	3107	2660	Lumens				
					157	133	159	137	164	140	164	140	LPW				
				LPPFL	2658	2245	2689	2323	2767	2370	2767	2370	Lumens				
					140	118	142	122	146	125	146	125	LPW				
				24	L48	4000LM	MD	IMACD	4017	3393	4064	3510	4182	3581	4182	3581	Lumens
									167	141	169	146	174	149	174	149	LPW
IMAFD	3982	3363	4029					3480	4145	3550	4145	3550	Lumens				
	166	140	168					145	173	148	173	148	LPW				
IMAFI	3756	3172	3800					3282	3910	3348	3910	3348	Lumens				
	157	132	158					137	163	140	163	140	LPW				
LPAFL	3954	3339	4000					3455	4116	3525	4116	3525	Lumens				
	165	139	167					144	172	147	172	147	LPW				
LPAFL	3956	3341	4002					3457	4118	3527	4118	3527	Lumens				
	165	139	167					144	172	147	172	147	LPW				
LPPCL	3992	3372	4039					3489	4156	3559	4156	3559	Lumens				
	166	141	168					145	173	148	173	148	LPW				
LPPFL	3556	3003	3598					3108	3702	3170	3702	3170	Lumens				
	148	125	150					130	154	132	154	132	LPW				
39	L48	6000LM	MD					IMACD	6424	5425	6499	5614	6687	5727	6687	5727	Lumens
									165	139	167	144	171	147	171	147	LPW
				IMAFD	6368	5378	6442	5565	6629	5677	6629	5677	Lumens				
					163	138	165	143	170	146	170	146	LPW				
				IMAFI	6006	5072	6076	5248	6252	5354	6252	5354	Lumens				
					154	130	156	135	160	137	160	137	LPW				
				LPAFL	6323	5340	6397	5525	6582	5637	6582	5637	Lumens				
					162	137	164	142	169	145	169	145	LPW				
				LPAFL	6326	5343	6400	5528	6586	5640	6586	5640	Lumens				
					162	137	164	142	169	145	169	145	LPW				
				LPPCL	6384	5392	6459	5579	6646	5691	6646	5691	Lumens				
					164	138	166	143	170	146	170	146	LPW				
				LPPFL	5687	4803	5753	4970	5920	5070	5920	5070	Lumens				
					146	123	148	127	152	130	152	130	LPW				
				51	L48	8000LM	MD	IMACD	8413	7106	8512	7352	8759	7500	8759	7500	Lumens
									165	139	167	144	172	147	172	147	LPW
IMAFD	8340	7044	8438					7288	8682	7435	8682	7435	Lumens				
	164	138	165					143	170	146	170	146	LPW				
IMAFI	7866	6643	7958					6874	8189	7012	8189	7012	Lumens				
	154	130	156					135	161	137	161	137	LPW				
LPAFL	8281	6994	8378					7237	8621	7383	8621	7383	Lumens				
	162	137	164					142	169	145	169	145	LPW				
LPAFL	8285	6998	8383					7241	8626	7386	8626	7386	Lumens				
	162	137	164					142	169	145	169	145	LPW				
LPPCL	8362	7062	8460					7307	8705	7454	8705	7454	Lumens				
	164	138	166					143	171	146	171	146	LPW				
LPPFL	7448	6290	7535					6509	7754	6640	7754	6640	Lumens				
	146	123	148					128	152	130	152	130	LPW				

Notes †	
Input Watts	120VAC.
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



EMS LED

Low-Profile Enclosed and Gasketed



OPERATING CHARACTERISTICS ‡

Input Watts †	Length	Lumen Package	Distribution	Lens	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	90CRI	
					3000K		3500K		4000K		5000K		
					LM	LPW	LM	LPW	LM	LPW	LM	LPW	
63	L48	10000LM	MD	IMACD	9971	8421	10088	8714	10380	8889	10380	8889	Lumens
					158	134	160	138	165	141	165	141	LPW
				IMAFD	9884	8348	10000	8638	10290	8811	10290	8811	Lumens
					157	133	159	137	163	140	163	140	LPW
				IMAFI	9322	7873	9432	8147	9705	8311	9705	8311	Lumens
					148	125	150	129	154	132	154	132	LPW
				LPAFL	9874	8289	9929	8577	10217	8749	10217	8749	Lumens
					156	132	158	136	162	139	162	139	LPW
				LPAFL	9820	8293	9935	8581	10223	8754	10223	8754	Lumens
					156	132	158	136	162	139	162	139	LPW
				LPPCL	9910	8370	10026	8660	10317	8835	10317	8835	Lumens
					157	133	159	137	164	140	164	140	LPW
				LPPFL	8827	7455	8931	7714	9189	7869	9189	7869	Lumens
					140	118	142	122	146	125	146	125	LPW
75	L48	12000LM	MD	IMACD	11776	9945	11914	10291	12259	10498	12259	10498	Lumens
					157	133	159	137	163	140	163	140	LPW
				IMAFD	11673	9859	11810	10201	12152	10406	12152	10406	Lumens
					156	131	157	136	162	139	162	139	LPW
				IMAFI	11009	9298	11139	9621	11461	9815	11461	9815	Lumens
					147	124	149	128	153	131	153	131	LPW
				LPAFL	11591	9789	11727	10129	12066	10333	12066	10333	Lumens
					155	131	156	135	161	138	161	138	LPW
				LPAFL	11597	9794	11733	10134	12073	10338	12073	10338	Lumens
					155	131	156	135	161	138	161	138	LPW
				LPPCL	11703	9884	11841	10228	12184	10433	12184	10433	Lumens
					156	132	158	136	162	139	162	139	LPW
				LPPFL	10425	8804	10547	9110	10853	9293	10853	9293	Lumens
					139	117	141	121	145	124	145	124	LPW
53	L96	9000LM	MD	IMACD	8690	7340	8792	7594	9047	7747	9047	7747	Lumens
					164	138	166	143	171	146	171	146	LPW
				IMAFD	8614	7276	8715	7528	8968	7680	8968	7680	Lumens
					163	137	164	142	169	145	169	145	LPW
				IMAFI	8125	6862	8220	7100	8458	7243	8458	7243	Lumens
					153	129	155	134	160	137	160	137	LPW
				LPAFL	8554	7224	8654	7475	8905	7626	8905	7626	Lumens
					161	136	163	141	168	144	168	144	LPW
				LPAFL	8558	7228	8659	7479	8910	7630	8910	7630	Lumens
					161	136	163	141	168	144	168	144	LPW
				LPPCL	8637	7295	8738	7548	8992	7700	8992	7700	Lumens
					163	138	165	142	170	145	170	145	LPW
				LPPFL	7693	6498	7783	6723	8009	6858	8009	6858	Lumens
					145	123	147	127	151	129	151	129	LPW
76	L96	12000LM	MD	IMACD	12487	10547	12634	10913	13000	11133	13000	11133	Lumens
					164	139	166	144	171	146	171	146	LPW
				IMAFD	12379	10455	12524	10818	12887	11035	12887	11035	Lumens
					163	138	165	142	170	145	170	145	LPW
				IMAFI	11675	9860	11812	10203	12154	10408	12154	10408	Lumens
					154	130	155	134	160	137	160	137	LPW
				LPAFL	12291	10381	12436	10741	12796	10958	12796	10958	Lumens
					162	137	164	141	168	144	168	144	LPW
				LPAFL	12298	10386	12442	10747	12803	10963	12803	10963	Lumens
					162	137	164	141	168	144	168	144	LPW
				LPPCL	12411	10482	12556	10846	12920	11064	12920	11064	Lumens
					163	138	165	143	170	146	170	146	LPW
				LPPFL	11055	9337	11185	9661	11509	9855	11509	9855	Lumens
					145	123	147	127	151	130	151	130	LPW

Notes †	
Input Watts	120WAC
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



EMS LED

Low-Profile Enclosed and Gasketed



OPERATING CHARACTERISTICS ‡

Input Watts †	Length	Lumen Package	Distribution	Lens	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	80CRI	90CRI	
					3000K		3500K		4000K		5000K		
94	L96	15000LM	MD	IMACD	15528	13115	15710	13570	16166	13843	16166	13843	Lumens
					165	140	167	144	172	147	172	147	LPW
				IMAFD	15393	13000	15573	13452	16025	13723	16025	13723	Lumens
					164	138	166	143	170	146	170	146	LPW
				IMAFI	14518	12261	14688	12687	15114	12943	15114	12943	Lumens
					154	130	156	135	161	138	161	138	LPW
				LPAFL	15284	12909	15464	13357	15912	13626	15912	13626	Lumens
					163	137	165	142	169	145	169	145	LPW
				LPAFL	15292	12916	15472	13364	15920	13633	15920	13633	Lumens
					163	137	165	142	169	145	169	145	LPW
				LPPCL	15433	13034	15614	13487	16067	13758	16067	13758	Lumens
					164	139	166	143	171	146	171	146	LPW
				LPPFL	13747	11610	13908	12013	14311	12255	14311	12255	Lumens
					146	124	148	128	152	130	152	130	LPW
105	L96	18000LM	MD	IMACD	16900	14273	17098	14769	17594	15066	17594	15066	Lumens
					161	136	163	141	168	143	168	143	LPW
				IMAFD	16752	14149	16949	14640	17440	14935	17440	14935	Lumens
					160	135	161	139	166	142	166	142	LPW
				IMAFI	15800	13345	15986	13808	16449	14086	16449	14086	Lumens
					150	127	152	132	157	134	157	134	LPW
				LPAFL	16634	14049	16830	14537	17317	14830	17317	14830	Lumens
					158	134	160	138	165	141	165	141	LPW
				LPAFL	16643	14056	16838	14545	17327	14837	17327	14837	Lumens
					159	134	160	139	165	141	165	141	LPW
				LPPCL	16796	14186	16993	14678	17486	14974	17486	14974	Lumens
					160	135	162	140	167	143	167	143	LPW
				LPPFL	14961	12636	15137	13074	15575	13338	15575	13338	Lumens
					142	120	144	125	148	127	148	127	LPW
127	L96	20000LM	MD	IMACD	20400	17229	20639	17827	21237	18186	21237	18186	Lumens
					161	136	163	140	167	143	167	143	LPW
				IMAFD	20222	17079	20459	17672	21052	18027	21052	18027	Lumens
					159	134	161	139	166	142	166	142	LPW
				IMAFI	19072	16108	19296	16667	19855	17003	19855	17003	Lumens
					150	127	152	131	156	134	156	134	LPW
				LPAFL	20079	16958	20315	17547	20904	17901	20904	17901	Lumens
					158	134	160	138	165	141	165	141	LPW
				LPAFL	20090	16967	20325	17556	20915	17910	20915	17910	Lumens
					158	134	160	138	165	141	165	141	LPW
				LPPCL	20275	17123	20512	17718	21107	18075	21107	18075	Lumens
					160	135	162	140	166	142	166	142	LPW
				LPPFL	18059	15252	18271	15782	18801	16100	18801	16100	Lumens
					142	120	144	124	148	127	148	127	LPW
150	L96	24000LM	MD	IMACD	23714	20028	23992	20724	24688	21141	24688	21141	Lumens
					158	134	160	138	165	141	165	141	LPW
				IMAFD	23507	19853	23783	20543	24472	20956	24472	20956	Lumens
					157	132	159	137	163	140	163	140	LPW
				IMAFI	22171	18725	22431	19375	23081	19765	23081	19765	Lumens
					148	125	150	129	154	132	154	132	LPW
				LPAFL	23342	19714	23615	20398	24300	20809	24300	20809	Lumens
					156	131	157	136	162	139	162	139	LPW
				LPAFL	23354	19724	23628	20409	24313	20820	24313	20820	Lumens
					156	131	158	136	162	139	162	139	LPW
				LPPCL	23569	19905	23845	20597	24536	21011	24536	21011	Lumens
					157	133	159	137	164	140	164	140	LPW
				LPPFL	20993	17730	21240	18346	21855	18716	21855	18716	Lumens
					140	118	142	122	146	125	146	125	LPW

Notes †	
Input Watts	120VAC
Operating Characteristics	Absolute photometry calculated in accordance with IESNA LM-79-08 @ 25°C.



EMS LED

Low-Profile Enclosed and Gasketed



LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

L24	2000 LM	3000 LM	4000 LM	6000 LM	
-30°C	-22°F	1.047	1.050	1.051	1.056
-20°C	-4°F	1.040	1.042	1.043	1.047
-10°C	14°F	1.032	1.033	1.034	1.038
0°C	32°F	1.024	1.025	1.025	1.027
10°C	50°F	1.015	1.015	1.016	1.017
20°C	68°F	1.005	1.005	1.005	1.006
25°C	77°F	1.000	1.000	1.000	1.000
30°C	86°F	0.995	0.995	0.995	0.994
40°C	104°F	0.984	0.984	0.983	0.982

L48	3000 LM	4000 LM	6000 LM	8000 LM	10000 LM	12000 LM	
-30°C	-22°F	1.049	1.051	1.055	1.059	1.064	1.068
-20°C	-4°F	1.041	1.043	1.046	1.050	1.053	1.057
-10°C	14°F	1.033	1.034	1.037	1.040	1.042	1.046
0°C	32°F	1.024	1.025	1.027	1.029	1.031	1.033
10°C	50°F	1.015	1.015	1.017	1.018	1.019	1.020
20°C	68°F	1.005	1.005	1.006	1.006	1.006	1.007
25°C	77°F	1.000	1.000	1.000	1.000	1.000	1.000
30°C	86°F	0.995	0.995	0.994	0.994	0.993	0.993
40°C	104°F	0.984	0.983	0.982	0.981	0.980	0.978

L96	9000 LM	12000 LM	15000 LM	18000 LM	20000 LM	24000 LM	
-30°C	-22°F	1.061	1.068	1.075	1.079	1.088	1.100
-20°C	-4°F	1.051	1.057	1.063	1.066	1.074	1.083
-10°C	14°F	1.041	1.045	1.050	1.052	1.058	1.066
0°C	32°F	1.030	1.033	1.036	1.038	1.042	1.048
10°C	50°F	1.018	1.020	1.022	1.023	1.026	1.029
20°C	68°F	1.006	1.007	1.008	1.008	1.009	1.010
25°C	77°F	1.000	1.000	1.000	1.000	1.000	1.000
30°C	86°F	0.994	0.993	0.992	0.992	0.991	0.990
40°C	104°F	0.980	0.978	0.976	0.975	0.973	0.969

LUMEN MAINTENANCE

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L24	2000	100%	92.8%	87.2%	77.0%
	3000	100%	92.8%	87.2%	77.0%
	4000	100%	92.8%	87.2%	77.1%
	6000	100%	93.0%	87.8%	78.3%

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L48	3000	100%	92.8%	87.2%	77.0%
	4000	100%	92.8%	87.2%	77.0%
	6000	100%	92.8%	87.2%	77.0%
	8000	100%	92.7%	87.2%	77.2%
	10000	100%	92.9%	87.5%	77.7%
12000	100%	93.0%	87.8%	78.2%	

Length	Lumens	0 Hrs	25000 Hrs	50000 Hrs	100000 Hrs
L96	9000	100%	92.8%	87.2%	77.0%
	12000	100%	92.8%	87.2%	77.0%
	15000	100%	92.6%	87.0%	76.9%
	18000	100%	92.6%	87.1%	77.1%
	20000	100%	92.8%	87.5%	77.7%
	24000	100%	92.9%	87.7%	78.1%

ADJUSTABLE OUTPUT PERFORMANCE

AO Position	Lumen Output	Wattage
1	19%	19%
2	29%	27%
3	42%	40%
4	53%	53%
5	70%	68%
6	81%	79%
7	95%	94%
8	100%	100%



Example: OCS10

Part Number	Length
OCS (3) 18AWG conductors, including ground	(blank) 6 feet
OCS4C (4) 18 AWG conductors, including ground, for use with EM batteries	10 10 feet 15 15 feet 20 20 feet 25 25 feet

EMERGENCY LUMEN PERFORMANCE

Length	Lumens	BEWCP	EWZB	EWBWP
L24	2,000	NA	NA	1,800
	3,000	NA	NA	1,800
	4,000	NA	NA	1,900
	6,000	NA	NA	1,900
L48	3,000	1,200	1,400	1,900
	4,000	1,200	1,400	1,900
	6,000	1,250	1,450	2,000
	8,000	1,250	1,450	2,000
	10,000	1,250	1,450	2,000
	12,000	1,250	1,450	2,000
L96	9,000	1,250	1,450	2,000
	12,000	1,400	1,600	2,200
	15,000	1,400	1,600	2,200
	18,000	1,400	1,600	2,200
	20,000	1,400	1,600	2,200
	24,000	1,400	1,600	2,200

EMS LED

Low-Profile Enclosed and Gasketed



CSA LISTED AMBIENT RATING

Size	Lumen Package	Base †		BEsWCP †		EtoWCP †		E7WzH †		EtoWSTAR/EzoWSTAR †	
		Surface	Suspended †	Surface	Suspended †	Surface	Suspended †	Surface	Suspended †	Surface	Suspended †
L24	2000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	3000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	4000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	6000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
L48	3000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	4000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	6000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	8000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	10000LM	35°C	45°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	12000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
L96	9000LM	35°C	50°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	12000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	15000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	18000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	20000LM	35°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C
	24000LM	30°C	35°C	25°C	35°C	25°C	35°C	25°C	25°C	25°C	25°C

Notes †	
Base	Start temp -40°C.
BEsWCP	Start temp -20°C.
E7WzH	Start temp 0°C.
EtoWCP	Start temp 5°C.
EtoWSTAR, EzoWSTAR	Start temp 0°C.
Suspended	Installed a minimum of 6" from surface.

IK RATINGS

Type	Description	IK rating
IMAFI	Acrylic, linear ribbed frosted lens	IK07
IMACD	Acrylic, clear deep lens	IK10
IMAFD	Acrylic, deep frosted lens	IK10
LPAFL	Acrylic, low profile frosted lens	IK10
LPAFL	Acrylic, low profile clear lens	IK10
LPPCL	Polycarbonate, low profile clear lens	IK09
LPPFL	Polycarbonate, low profile frosted lens	IK09
Housing	EMS housing can withstand an IK10 level impact and not have any wires or electrical components exposed.	IK10

NEMA PLUG CONFIGURATIONS

Voltage	Straight Blade	15A Twist Lock	20A Twist Lock
120V	NA	NA	NA
120	5-15P	L5-15P	L5-20P
208	NA	L6-15P	L6-20P
240	NA	L6-15P	L6-20P
277	7-15P	L7-15P	L7-20P
HYDUL	NA	NA	NA
347	NA	NA	L24-20P
480	NA	NA	L8-20P
XVOLL	NA	NA	NA
277X	NA	L7-15P	L7-20P
347X	NA	NA	L24-20P
480X	NA	NA	L8-20P

ADDITIONAL CORDSETS

Plug Option	Plug Type	Amperage	Gauge	# of conductors	Color	Location	Length	
CNP	Card only	(blank)	15 amps	(blank)	3 conductors	(blank)	Damp	
CP	Card with plug	20A	20 amps	4C	4 conductors (for use with EM battery)	W	Wet †	
CMC	Card with mini change Plug †	TL	Twist lock	5C	5 conductors (for use with ETS or ER controls)	W	10FT	
	SB	Straight blade †	12FT	12 foot	15FT	15 foot	20FT	20 foot
RMC	Mini change receptacle	MBH	Male Brad Harrison	5CD	5 conductors (for use with 0-10V dimming)	Y	25FT	25 foot
							30FT	30 foot

Notes †	
CMC	Available in 6ft or 12ft lengths only.
SB	Not available with WL.
WL	Not available with SB.
Y	Available with CMC or RMC only.





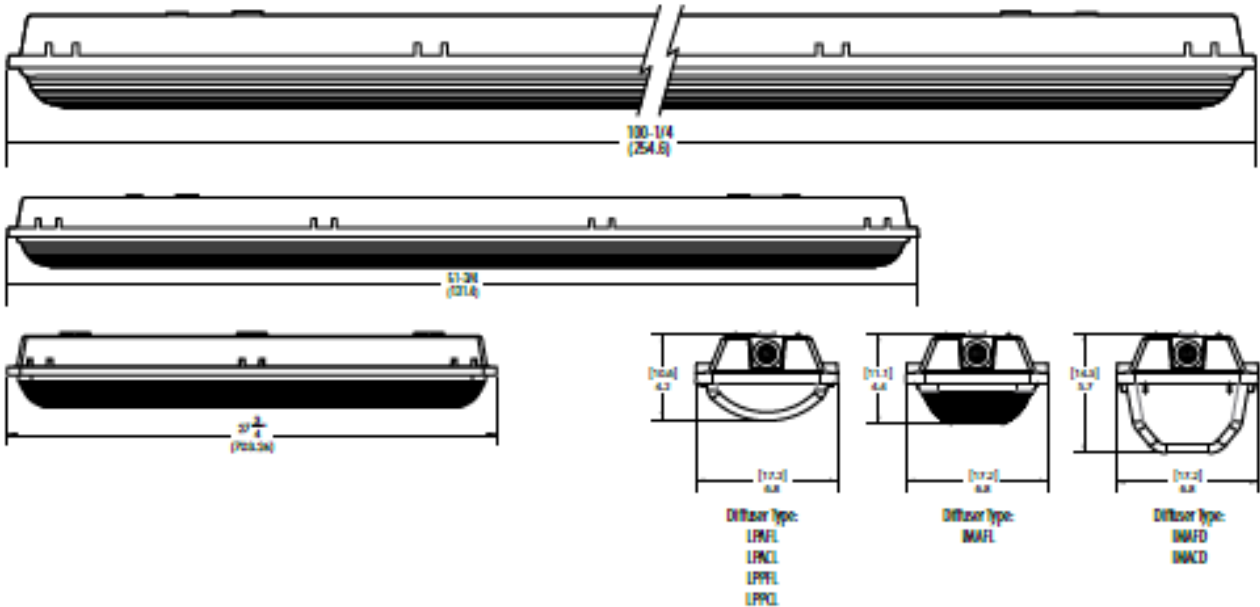
EMS LED

Low-Profile Enclosed and Gasketed

DIMENSIONS

Specifications subject to change without notice.
 All dimensions are inches (in/decimal) unless otherwise indicated.

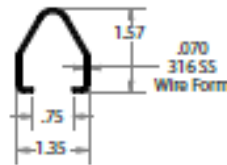
Weight (may vary with options or accessories)
 EMS L24: 7.55 lbs (3.425kg)
 EMS L48: 11.9 lbs (5.387kg)
 EMS L96: 24.3 lbs (11.022kg)



MOUNTING OPTIONS



EMSDPMB
 (Pair, 3/8" Threaded Rod)



Ball (Pair, Included with EMSDPMB or EMSSMB to optionally suspend the fixture)



EMSSMB
 (Pair, Ships Standard with Fixture)

ACCESSORIES

CNMBHsYWL, MCRMBHsWL, HCMFBHsWL or HCMFBHsYWL
 (actual product may vary depending on options chosen)



EMS LED

Low-Profile Enclosed and Gasketed



EMBEDDED LUMINAIRE TECHNOLOGY GUIDE

Control Type	Sensor Nomenclature	Sensor (link to part number to link to sensor spec sheet)	Out of the box settings					Notes	Image		
			Occupied Time Delay (Min/Off)	Time to Off Time Delay	Occupied Dim Level	Unoccupied Dim Level	Daylighting Set Point				
Sensor Switch Embedded Control	SR06	SR06-001-001-WH	10M	n/a	100%	0%	n/a	2'60" High mount sensor, (15-30' mounting heights), outdoor PIR, on/off occupancy			
	SR06-D-2V	SR06-001-D-001-WH-2V	10M	2.5M	100%	30%	n/a	2'60" High mount sensor, (15-30' mounting heights), outdoor PIR, occupancy controlled dimming			
	SR06-P	SR06-001-P-001-WH	10M	n/a	100%	0%	SFC	2'60" High mount standard embedded sensor (8-15'), outdoor PIR, on/off photocell			
	SR06-D	SR06-001-D-001-WH	10M	n/a	100%	0%	n/a	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off occupancy			
	SR06-D-2V	SR06-001-D-001-WH-2V	10M	2.5M	100%	30%	n/a	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming			
	SR06-D-P	SR06-001-D-P-001-WH	10M	n/a	100%	0%	SFC	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off photocell			
Sensor Switch Embedded Control	SR06-02	SR06-001-001-WH	ETS-02	10M	n/a	100%	0%	n/a	2'60" High mount sensor, (15-30' mounting heights), outdoor PIR, on/off occupancy, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	SR06-D-2V-02	SR06-001-D-001-WH-2V	ETS-02	10M	2.5M	100%	30%	n/a	2'60" High mount sensor, (15-30' mounting heights), outdoor PIR, occupancy controlled dimming, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	SR06-P-02	SR06-001-P-001-WH	ETS-02	10M	n/a	100%	0%	SFC	2'60" High mount standard embedded sensor (8-15'), outdoor PIR, on/off photocell, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	SR06-D-02	SR06-001-D-001-WH	ETS-02	10M	n/a	100%	0%	n/a	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off occupancy, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	SR06-D-2V-02	SR06-001-D-001-WH-2V	ETS-02	10M	2.5M	100%	30%	n/a	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, occupancy controlled dimming, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	SR06-D-P-02	SR06-001-D-P-001-WH	ETS-02	10M	n/a	100%	0%	SFC	2'60" Low mount sensor, (8-15' mounting heights), outdoor PIR, on/off photocell, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
eLight All Embedded Control	NE2402	NE24-001-WH-C2	n/a	n/a	30%	n/a	n/a	n/a	eLight® all embedded network interface, fully programmable with Gality+ Pto app		
	NE2402C	NE24-001-WH-C2	n/a	n/a	30%	n/a	n/a	n/a	eLight® all embedded network interface, fully programmable with Gality+ Pto app, UL514 emergency operation, 3 conductor power input		
	NE2402R	NE24-001-WH-C2	ETS-02	n/a	n/a	30%	n/a	n/a	eLight® all embedded network interface, fully programmable with Gality+ Pto app, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input		
	NE2402-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app	
	NE2402-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app	
	NE2402-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount also sensor, (15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app	
	NE2402C-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, 3 conductor power input	
	NE2402C-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, 3 conductor power input	
	NE2402C-APROD	NE24-001-WH-C2		7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount also sensor, (15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, 3 conductor power input	
	NE2402R-APROD	NE24-001-WH-C2	ETS-02	7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" low mount sensor, (8-15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input	
	NE2402R-APROD	NE24-001-WH-C2	ETS-02	7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount sensor, (15-30' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input	
	NE2402R-APROD	NE24-001-WH-C2	ETS-02	7.5M	2.5M	100%	30%	SFC	n/a	eLight® all operation 2'60" high mount also sensor, (15' heights), combined daylight and occupancy dimming, fully programmable with Gality+ Pto app, UL514 emergency operation, includes ICS ETS DR, 5 conductor power input	





To JEO and the City of David City,

Per WCD #29, BRB was asked to provide a price to remove the handrail that runs around the existing SBR by cutting the rail at the bottom of each post, grinding the area around the concrete smooth, and grouting the holes. The cost of this additional work will be \$3,401.70. If you have any questions, feel free to reach out.

Thank You,

Josh Klug
Project Manager
BRB Contractors, Inc





To JEO and the City of David City,

BRB Contractors was asked to provide a cost for HVAC repairs in the blower building. After inspection, our subcontractor recommended replacing the dampers.

The cost of these modifications will be \$9,382.47. A breakdown of costs and description of the work required is attached. If you have any questions, feel free to reach out.

Thank You,
Josh Klug
Project Manager
BRB Contractors, Inc



ESTIMATE

Even Temp LLC
 748 N 100 Road
 BALDWIN CITY, KS 66006
 (785) 218-2503

BRB Contractors
 4646 NW Fielding Road
 Topeka, KS 66618

Estimate #: 119
 Date: 4/2/2026
 Expires On: 5/2/2026

DESCRIPTION	QUANTITY	PRICE	AMOUNT
8'x8' control damper blower building damper price includes install	1.00	\$4,060.00	\$4,060.00
48"x32" control damper blower building price includes install	1.00	\$3,215.00	\$3,215.00

Project Description
 this quote is for the two control dampers in
 the blower building the linkage control motors
 that are currently on the dampers are
 obsolete. the new motors are not compatible
 with what is currently there

SUBTOTAL: \$7,275.00
SALES TAX: \$0.00
TOTAL: \$7,275.00

David City Wastewater Facility
 JEO

Cost Proposal: Blower Room HVAC Modifications
 Date: April 8, 2026

Class of Work	QTY.	Unit	Unit Labor	Labor Hours	Total Labor	Unit Material	Extended Material	Equipment Cost	Sub Contract
HVAC Additions	1.00	EA	130.00	8.00	1040.00				7275.00
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	0.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
Sub Totals:					\$1,040.00		\$0.00	\$0.00	\$7,275.00

Material Sub-Total	\$0.00
Labor Sub-Total	\$1,040.00
Subcontractor-Total	\$7,275.00
Equipment Sub-Total	\$0.00
Sub-Total	\$8,315.00
Sub-Total Without Sub	\$1,040.00
Contractor's Fee	15.00% \$156.00
Sub-Contractors Fee	10.00% \$727.50
Sub-Total	\$9,198.50
Insurance and Bond	2.00% \$183.97
Total	\$9,382.47

City Council Proceedings

May 13, 2026

Page # 77

The council discussed Change Order No. 10 for the BRB Wastewater Treatment Project, involving the installation of a large stainless steel slide gate within the headworks facility.

Ethan Joy, JEO Consulting Group, explained that:

- The headworks system includes two channels:
 - a primary channel that routes wastewater through the screening and grit systems, and
 - a bypass channel used when the primary screen is offline for maintenance.
- While the bypass system included gates at the front end, the back side of the bypass channel had originally been left open in the design.
- As wastewater flows through the primary channel, water can backflow into the bypass channel, causing grit and debris to accumulate in the flat-bottomed channel area.
- This design concern had previously been identified during peer review.
- Because construction was already substantially complete when the issue was fully evaluated, correcting it earlier was not practical.
- City staff have since observed operational concerns and requested the additional gate to reduce long-term debris accumulation and maintenance requirements.
- The proposed stainless steel slide gate is large and heavy due to the depth of the channel, estimated at approximately six feet deep.
- Alternate options, including manual stop gates, were explored but ultimately rejected because they would have been too heavy and potentially unsafe for city employees to operate manually.
- Installation will require temporary bypass pumping during construction.

The total cost of Change Order No. 10 was approximately \$80,262.52, including roughly \$42,000 for the slide gate itself. This expense would qualify under the existing project funding sources.

Council Member Rick Holland made a motion to approve Change Order No. 10 to BRB Contractors, Inc. in the amount of \$80,262.53 for the Headworks Slide Gate at the Wastewater Treatment Facility. Council Member Jim Angell seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

(Space Intentionally Left Blank)

CHANGE ORDER NO.: 10

Owner: **City of David City** Owner's Project No.:
 Engineer: **JEO Consulting Group, Inc.** Engineer's Project No.: **251034.00**
 Contractor: **BRB Contractors, Inc.** Contractor's Project No.: **NE3DAV**
 Project: **Wastewater Treatment Facility Improvements**
 Contract Name:
 Date Issued: **5/13/2026** Effective Date of Change Order: **5/13/2026**

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

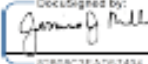
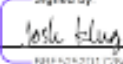
Description:

This Change Order will incorporate the modifications outlined in Work Change Directive No. 25. This WCD includes installing an additional slide gate in the headworks building.

Attachments:

- 1 **WCD No. 25 - Headworks Slide Gate**

Change in Contract Price	Change in Contract Times
Original Contract Price: \$ <u>16,882,000.00</u>	Original Contract Times: Substantial Completion: <u>3/31/2026</u> Ready for final payment: <u>7/31/2026</u>
Net change from previously approved Change Orders No. 1 to No. 9: \$ <u>1,332,182.33</u>	Net change from previously approved Change Orders 1 to No. 9: Substantial Completion: <u>60 days</u> Ready for final payment: <u>60 days</u>
Contract Price prior to this Change Order: \$ <u>18,214,182.33</u>	Contract Times prior to this Change Order: Substantial Completion: <u>5/30/2026</u> Ready for final payment: <u>9/29/2026</u>
Net change for this Change Order: \$ <u>80,262.53</u>	Net change for this Change Order: Substantial Completion: <u>0 days</u> Ready for final payment: <u>0 days</u>
Contract Price incorporating this Change Order: \$ <u>18,294,444.86</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>5/30/2026</u> Ready for final payment: <u>9/29/2026</u>

<p>Recommended by Engineer (if required)</p> <p>By: <u>Ethan Joy, P.E.</u> <small>0090CABP50504C4</small></p> <p>Title: <u>Project Manager</u></p> <p>Date: <u>5/8/2026</u></p>	<p>Authorized by Owner</p> <p>DocuSigned by:  <small>02059C3EAD07434</small></p> <p><u>Mayor</u></p> <p>Date: <u>5/14/2026</u></p>
<p>Accepted by Contractor</p> <p>Signed by:  <small>0005037014709410</small></p> <p>Title: <u>Project Manager</u></p> <p>Date: <u>5/8/2026</u></p>	<p>Approved by Funding Agency (if applicable)</p> <p><u>N/A</u></p>



To JEO and the City of David City,

Per WCD #25, BRB was asked to provide a slide gate in the headworks building to keep water out of the bypass channel. The work will include bypass pumping to temporarily divert water, installation of a new Whipps 923-C stainless steel slide gate. The work will likely require remobilization after project completion given the lead time of the gates. The cost of this work would be \$80,262.53. If you have any questions, feel free to reach out.

Thank You,

Josh Klug
Project Manager
BRB Contractors, Inc





Work Change Directive

WORK CHANGE DIRECTIVE NO. | 25
DATE | 3/19/2028
PROJECT | Wastewater Treatment Facility Improvements
JEO PROJECT NO. | 251034.00
LOCATION | David City, NE
OWNER | City of David City, NE
CONTRACTOR | BRB Contractors, Inc.

You are directed to proceed promptly with the following change(s):

Description Change to the scope of work to install an additional slide gate in the headworks building.

Purpose of Change Directive Change is to keep water out of the bypass channel during normal operation.

Attachment(s) _____

If claim is made that the above changes have affected Contract Price or Contract Times, any claim for a Change Order based thereon will involve one or more of the following methods of determining the effect of the changes:

Method of Determining Change in Contract Price

- Unit Prices
- Lump Sum
- Other N/A

Method of Determining Change in Contract Times

- CONTRACTOR's Records
- ENGINEER's Records
- Other N/A

Estimated Increase (Decrease) in Contract Price

\$ TBD

Estimated Increase (Decrease) in Contract Times

0 Days

If the change involves an increase, the estimated amount is not to be exceeded without further authorization.

Recommended:

Authorized:

Accepted:

ENGINEER

OWNER

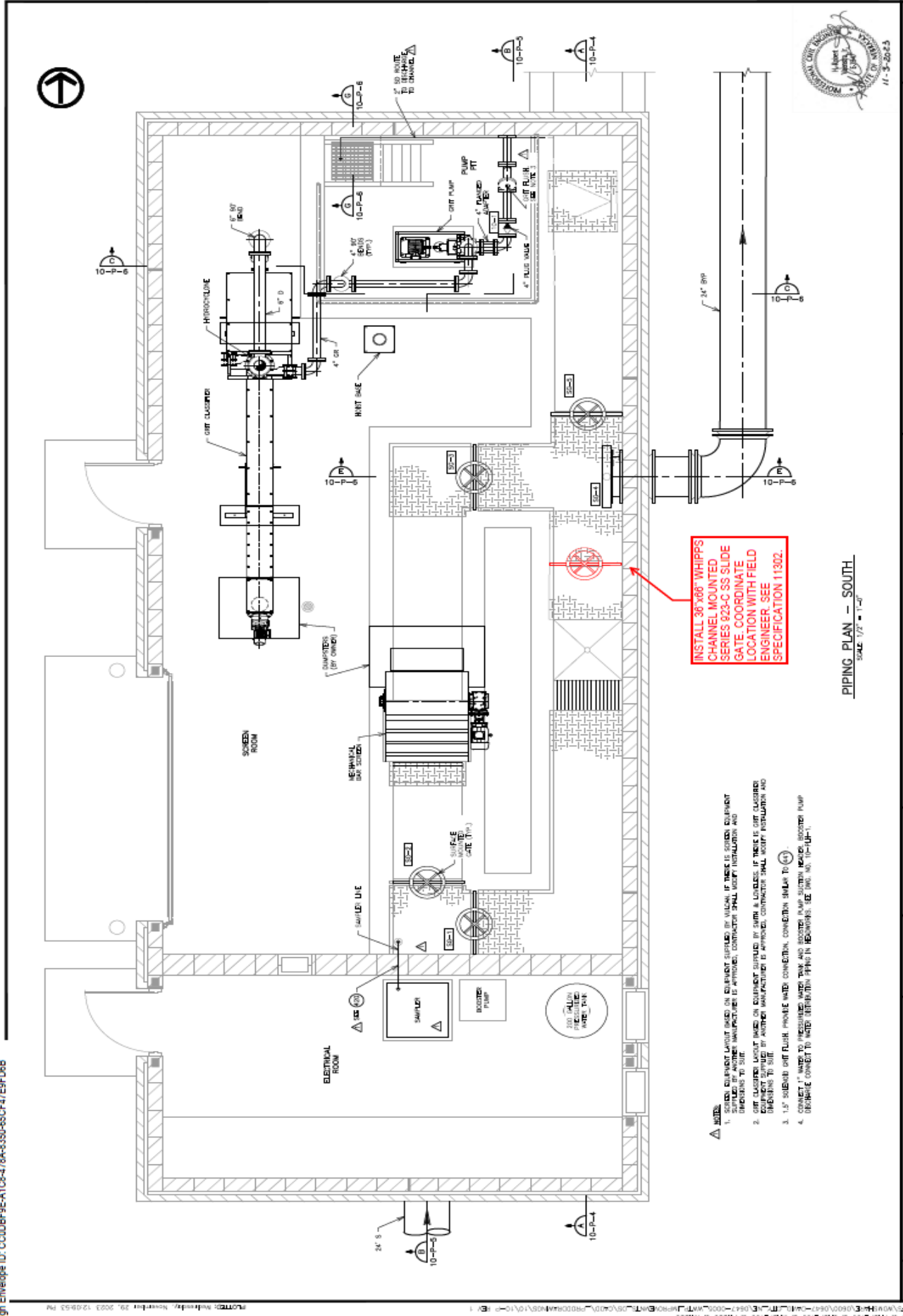
CONTRACTOR

Date

Date

Date

cc: Project Manager, Resident Project Representative, Contractor, Owner



INSTALL 36\"/>

- NOTE:**
1. SCREEN EQUIPMENT SHALL BE INSTALLED IN SCREEN ROOMS. IF THERE IS SCREEN EQUIPMENT IN OTHER ROOMS, CONTRACTOR SHALL VERIFY INSTALLATION AND REPORT TO SITE SUPERVISOR.
 2. EQUIPMENT SHALL BE INSTALLED ON EQUIPMENT SUPPORTS BY SUPPLIER UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY INSTALLATION AND REPORT TO SITE SUPERVISOR.
 3. 1.5\"/>
 4. CONNECT 1\"/>

PIPING PLAN -- SOUTH
 SCALE 1/2" = 1'-0"



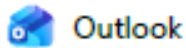
DATE	11/29/2023
BY	DAVID J. MEEHAN
PROJECT	50 OF 139
REVISION 1	10-P-2
DIR. NO.	11-3-20-03

HEADWORKS BUILDING
 PIPING PLAN -- SOUTH

WASTEWATER TREATMENT PLANT IMPROVEMENTS
 DAVID CITY, NEBRASKA
 3000 Westown Parkway • West Des Moines, Iowa 50266-1320
 515-281-8000 • 515-281-8001 (FAX) • 800-441-4000 (EXTS)



DATE	BY	REVISIONS
11/29/2023	DAVID J. MEEHAN	1



RE: David City WWTF - WCD No. 25 - Headworks Slide Gate

From Caylin Stansberry <cstansberry@vessco.com>

Date Fri 4/10/2026 5:25 PM

To Josh Klug <JoshKlug@brbcontractors.com>

4 attachments (1 MB)

36796-Quotation.pdf, WCD No. 25 - Headworks Slide Gate.pdf, 41. 10-AS-10_ HEADWORKS BUILDING SECTION Rev.1.pdf, BC-921-2508 Model (1).pdf,

Josh, I did hear back on this.

Checking in with Whipps' engineering team, and they strongly advised against doing a slide gate. Based on the size (36 x 66), it would be extremely difficult to operate—requiring close to 2,000 lbs to pull out. While it might be possible to pull it out initially, getting it back into place would be highly impractical.

They also noted that there wouldn't be much cost savings compared to a slide gate, since the only real difference in materials is the gearbox, operating stem, and a small portion of the frame and yoke.

Because of this, they wouldn't recommend going the stop gate route. Instead, I've attached options for a slide gate or stop logs—both of which would be much more practical and workable solutions for this setup.

**OPTION 1: 33" Wide x 66" High - Model 923C Self Contained Stainless Steel Slide Gate
\$42,231**

OPTION 2: Model 509 Stop Log Assembly (AL6061 T6)
\$53,825

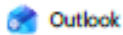
Take a look and let me know your thoughts. If it'd be beneficial to get all parties together to discuss, I am more than happy to pull a meeting together as well.

Caylin Stansberry | Project Manager
w: 763-333-7051 | cstansberry@vessco.com

8217 Upland Circle, Chanhassen, MN 55317
Vessco Inc. | Celebrating Over 45 Years of Clean Water



From: Josh Klug <JoshKlug@brbcontractors.com>
Sent: Tuesday, April 7, 2026 7:30 AM



RE: David City WWTF - WCD No. 25 - Headworks Slide Gate

From Caylin Stansberry <cstansberry@vessco.com>

Date Tue 4/21/2026 3:12 PM

To Josh Klug <JoshKlug@brbcontractors.com>

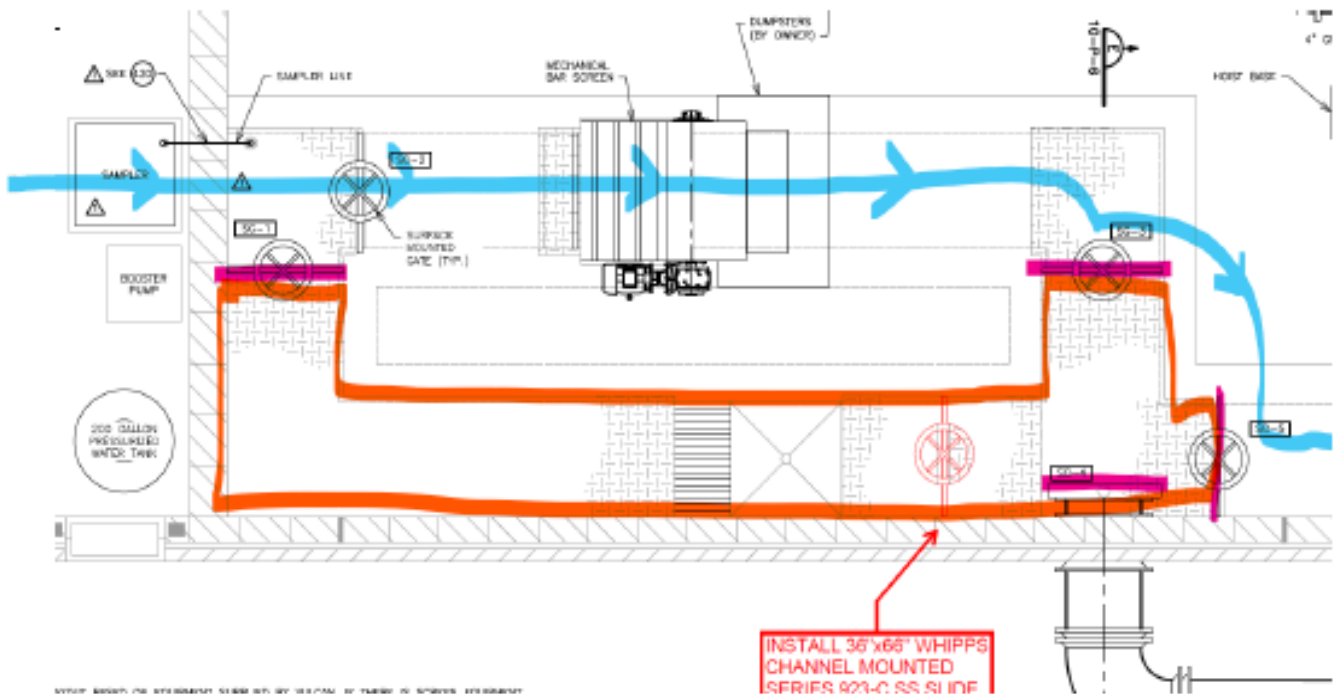
Josh, I heard back this afternoon. Please see the below.

They reviewed several alternative approaches (including alternate seals, a frameless gate design, sandbags, etc.), but are not comfortable proceeding with those options. Their recommendation is to isolate that portion of the chamber and install the gate using a more conventional approach.

Mellen's engineering team, proposed the following sequence that they feel would best accomplish the goal of the WCD.

- 1) Close slide gates # SG-1, 3, 4 & 5. This would essentially isolate the section where the new gate would be installed.
- 2) Use an appropriately sized trash pump to leapfrog from SG-3's location, just past SG-5. This allows them to maintain flow, without shutting down the main bar screen.
- 3) They would still need to pump out water where the new gate would be installed, before installing/grouting the new gate.

Note: We have not evaluated for safety, or de-watering requirements, or trash pump sizing. If they concur, the engineer will likely need to evaluate those items separately.



Caylin Stansberry | Project Manager
w: 763-333-7051 | cstansberry@vessco.com

8217 Upland Circle, Chanhassen, MN 55317
Vessco Inc. | Celebrating Over 45 Years of Clean Water



From: Josh Klug <JoshKlug@brbcontractors.com>
Sent: Friday, April 17, 2026 2:12 PM
To: Caylin Stansberry <cstansberry@vessco.com>
Subject: Re: David City WWTF - WCD No. 25 - Headworks Slide Gate

Caylyn,

Thank you for this information. One question on this: this would go in the headworks building in a place where we cannot stop flow. As such, it will need to be top mounted. Do these require an empty channel? If so, we will need to rethink options.

Thanks,

QUOTATION

Whipps, inc.

370 South Athol Road
Athol, MA 01331
Phone : 978-249-7924
Fax : 978-249-3072

April 2, 2026

Please Reply To :
Mellen & Associates, INC
4224 Hocker Drive
Independence, Missouri 64055

Quotation No. 36796 - Version 1

Subject : WWTP Additional Equipment
David City, Nebraska
Expires : Tuesday, June 9, 2026

Bidding Contractors :

We are pleased to offer the following quotation for

WATER CONTROL GATES

Option A: Model 923-C Slide Gate

Item No 1

Quantity :	One (1)
Gate Size - Model :	33" Wide x 66" High - Model 923C Self Contained Stainless Steel Slide Gate
Invert To Floor :	8.5 ft
Max Design Head :	5.5 ft seating - 5.5 ft unseating
Description :	The upward opening stainless steel slide gate will have the following features : SS316L construction; UHMW side seals and a neoprene invert seal; The single operating stem will be SS316L with a plastic stem cover.
Mounting Style :	Wall mounted inside existing channel with non-shrink grout and SS anchor studs.
Lifting Mechanism :	Yoke mounted hand wheel operator.
Anchor Bolts :	1/2" anchor studs and nuts included.

Option B: Aluminum Stop Logs with in-channel 316SS Frame

Item No 2

Tag No.

Quantity :	See below
Model :	Model 509 Stop Log Assembly (AL6061 T6)
Invert To Floor :	8.5 ft
Max Design Head :	5.5 ft seating - 0 ft unseating
Description :	The Series 509 stop log assembly consists of the following items : Six (6) 33"W x 12"H single seal (AL6061 T6) stop logs. One (1) guide 33"W x 102"H (in channel guide / in channel invert) (SS316). One (1) standard lifter 33"W (SS304).
Mounting Style :	Wall mounted inside existing channel with non-shrink grout and SS anchor studs.
Lifting Mechanism :	Series 509 stop log standard lifter.
Anchor Bolts :	1/2" anchor studs and nuts included.

This quotation represents our best interpretation of the information provided. Any subsequent changes may result in a price change.

Whipps Inc. is ISO 9001:2015 certified. Whipps Inc. complies with Buy America, AIS and BABA requirements. Whipps, Inc. unequivocally disclaims any liability associated with the electrical operators required for the project, especially those suppliers explicitly designated and named in the contract specifications.

INCLUDED: Submittal drawings and O&M manuals.

EXCLUDED: Field Measurements, Installation, grout, deck sleeves, blind flanges, mastic, lubricant, control panels, instrumentation, wiring and epoxy capsules for anchor bolts.

DURATION: Our price is held firm for 60 days from the bid date listed on Page 1. Please contact our local representative for updated pricing after 60 days.

FORCE MAJEURE: Whipps Inc, shall not be considered in default in the performance of its obligations under this agreement to the extent that the performance of such obligations is prevented or delayed by an event or circumstance of Force Majeure, including without limitation: strike, labor disputes, civil commotion, rebellion, invasion, epidemic, hostilities, war, embargo, natural disaster, act of God, fire, sabotage, loss and destruction of property, changes in laws, regulations or orders, absence of necessary orders or permits of any kind which have been applied for, other events beyond the reasonable control of the affected party, or a situation which the affected party was unable to prevent or overcome despite the exercise of due diligence and best efforts by it.

PAYMENT TERMS: Payment terms are net 30 days with no retainer allowance. Interest will be charged on amounts past due at 1-1/2% per month.

SPARE PARTS: No spare parts are included.

TAXES: Taxes, duties and tariffs are not included in this quotation. Sales tax is not included in our Total Price. However, Whipps, Inc. is registered to collect sales tax in the states of California, Florida, Maryland and Massachusetts.

DELIVERIES: The standard delivery of submittal drawings is 3-4 weeks after receipt of written purchase order. The equipment will ship 16-18 weeks after receipt of approved submittal drawings. We will make every effort to coordinate our engineering and manufacturing schedule with your construction schedule. Please contact our local representative for expedited or extended delivery dates.

FREIGHT: The price quoted is F.O.B. our factory in Athol, Massachusetts with freight allowed to jobsite. Partial shipments may be provided upon request for an additional charge. Price includes shipment via common carrier. Price does not include unloading at job site.

VOLUME DISCOUNT DISCLAIMER: The price shown reflects a volume discount for the quantity quoted. Please contact our local representative if you need to order a different quantity than the number shown herein and we will send a revised quotation.

FIELD SERVICE: Field service is not included by Whipps. Field service is available at \$1,750 per day plus actual travel and maintenance expenses. Sundays and holidays the rate is \$2,500 per day plus expenses. Three weeks advance notice in writing is required for field service.

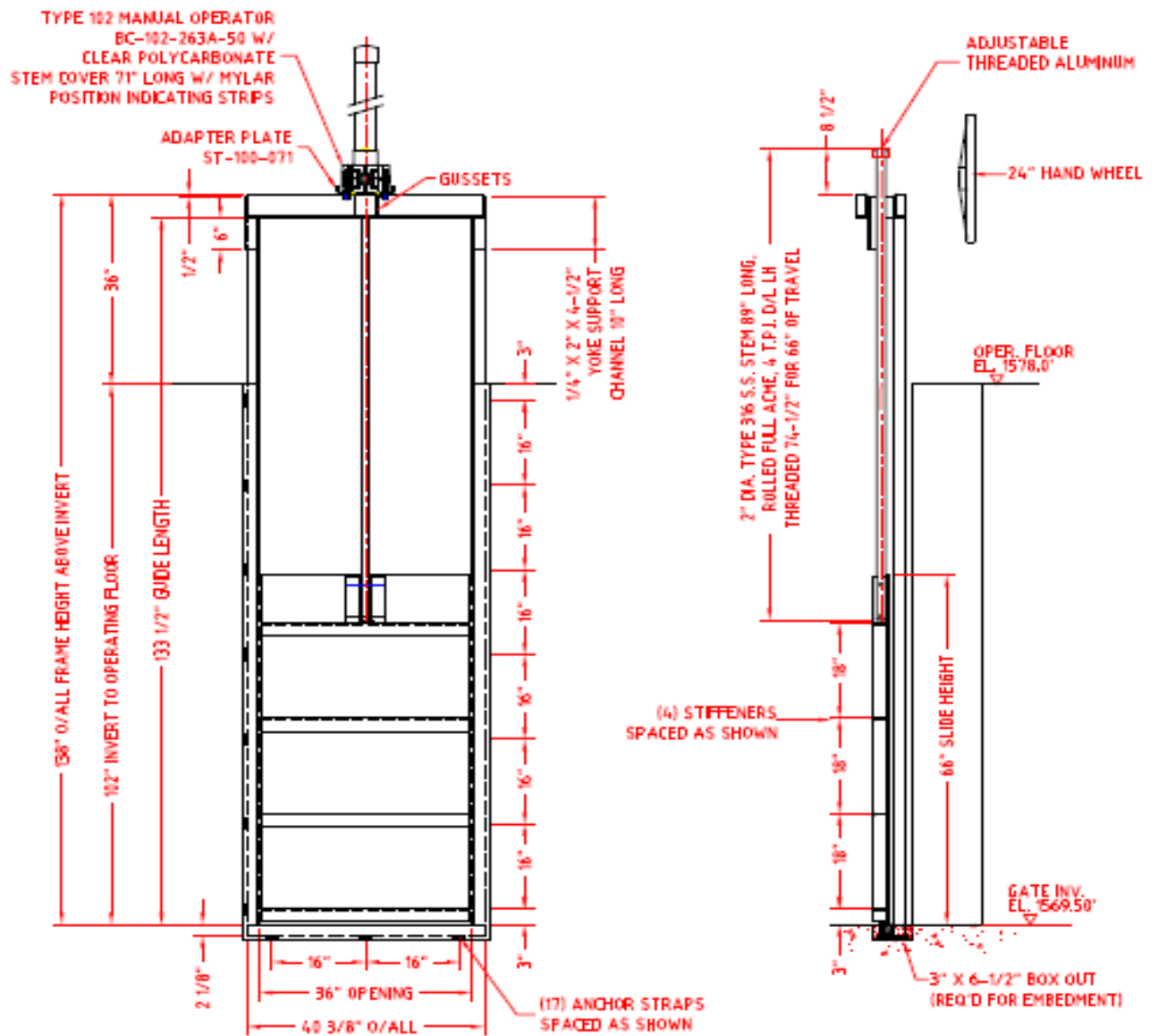
OPERATION AND MAINTENANCE MANUALS : Whipps, Inc. manuals are produced project specific. Our manual is set up in a manner designed for the user to easily comprehend information relating to our gates. This is our standard structured document representing the Whipps, Inc. products. Whipps, Inc. reserves the right to deviate from what is listed in the Project Specifications should Whipps, Inc. determine that specific provisions add little or no value to the Manual.

Sincerely,
Garrick Bassett
Whipps, Inc.
370 South Athol Road
Athol, MA 01331
Phone : 978-249-7924
Fax : 978-249-3072

Envelope ID: CC0DBF9E-A1C8-478A-8350-65CF47E9FD6B

FOR GATE SECTION DETAILS: BC-921-2508-S2
 YOKE CHANNEL: 1/4" X 2" X 4-1/2" CHANNEL
 HORIZONTAL STIFFENERS: 1/4" X 2-1/2" X 2-1/2" ANGLE
 VERTICAL STIFFENERS: 1/4" X 2-1/2" FLAT BAR
 APPROX. WEIGHT OF SLIDE: 260 LBS.
 APPROX. WEIGHT OF GATE ASSEMBLY: 600 LBS.

ALL OBSTRUCTIVE HAND RAILING OR FLOORING TO BE MODIFIED BY OTHERS



ITEM SERIES 921 SLIDE GATE INSTALL. 36" X 66"	Quantity: 4 Tag No's: SG-1, 2, 3 & 5	Scale: F:D	DO NOT SCALE THIS DRAWING Work in accordance with the following Linear Dimensions are in inches		
PROJECT WWTP IMPROVEMENTS DAVID CITY, NEBRASKA	Item#: A5 Design Head	Seating 10.0'	Unseating 10.0'	A Original Issue Rev. Rev. Record	5/25/26 RS Date Eng. CH.
LOCATION HEADWORKS BUILDING	Leakage Rate GPM/ft of seal	0.05	0.05	WHIPPES, Inc. 370 HUNTER AVENUE, BRIDGE MA, 01928	
BC-921-2508	33944				

David City WWTF Improvements
 JEO

Cost Proposal: Install Slide Gate
 Date: May 7, 2026

Class of Work	QTY.	Unit	Unit Labor	Labor Hours	Total Labor	Unit Material	Extended Material	Equipment Cost	Sub Contract
Bypass Pump	2.00	EA	130.00	60.00	78000.00			3194.00	
Install Slide Gate	1.00	EA	130.00	90.00	117000.00		43231.00	25000.00	
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	0.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
	1.00	EA			0.00				
Sub Totals:					\$19,500.00		\$43,231.00	\$5,694.00	\$0.00

Material Sub-Total	\$43,231.00								
Labor Sub-Total	\$19,500.00								
Subcontractor-Total	\$0.00								
Equipment Sub-Total	\$5,694.00								
Sub-Total	\$68,425.00								
Sub-Total Without Sub	\$68,425.00								
Contractor's Fee	15.00%	\$10,263.75							
Sub-Contractors Fee	10.00%	\$0.00							
Sub-Total		\$78,688.75							
Insurance and Bond	2.00%	\$1,573.78							
Total		\$80,262.53							

Labor To: Remobilize, Set Up, Unload and Install Gate
 Additional material figured for grout/fill/bolts

The council discussed plans and specifications for two proposed infrastructure projects:

- 1.A Sixth Street water main replacement project, and
- 2.A Water Treatment Plant backwash force main project.

Sixth Street Water Main Replacement

Ethan Joy, JEO Consulting Group, explained that the Sixth Street portion of the project was designed to:

- Replace undersized and substandard water mains along Sixth Street and portions of M Street.
- Eliminate outdated shared service lines where multiple homes are connected to small one- or two-inch water lines running through alleys.
- Reduce maintenance problems and water main breaks that City staff have experienced in the area.

The estimated cost for the water main replacement portion was discussed at approximately \$1.2 to 1.3 million.

Water Treatment Backwash Force Main

The second component involved construction of a low-head force main to provide an alternate route for backwash water leaving the water treatment plant.

- After prior construction work, it was discovered that the existing sewer line serving the area was flatter than current design standards.
- The sewer line could not adequately handle backwash flows.
- Roots and pipe damage had also contributed to previous backup issues, though some repairs had already been completed.

The proposed force main would:

- Create a new discharge route for backwash water
- Reduce pressure on the existing sewer line
- and help prevent future sewer backups into homes.

The estimated cost for the backwash force main project was approximately \$400,000.

The projects were intended to be funded through sales tax revenue. Discussion focused on whether both projects should move forward immediately or whether the larger Sixth Street main water replacement should be delayed to preserve sales tax funds.

Council members expressed support for proceeding with the backwash forcemain due to the risk of additional sewer back-ups if no action is taken. The Sixth Street water main replacement project would remain designed and ready for future consideration.

Council Member Kevin Woita made a motion to approve plans and specifications for the Water Treatment Plant Backwash Forcemain, and authorized to send to NDWEE for regulatory review, authorize to pay the review fee and authorize for bids. Council Member Jeremy Abel seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Nay, Kevin Woita: Yea. Yea: 4, Nay: 1, Absent: 1.

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

CITY OF DAVID CITY
 490 E STREET, P.O. BOX 191
 DAVID CITY, NE 68632
 JEO PROJECT NO.: 251298.00

JEO CONSULTING GROUP
 807 N. GARDNER ST
 WEAVER, NE 68562
 402.721.9801 | jcg.com

OPERATION/CERTIFICATE OF APPROVAL NUMBER: 04356

UTILITIES

WATER:
 Contract Info:
 500 10007A, DAVID CITY UTILITIES
 200 W 20TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

SEWER:
 Contract Info:
 500 10007A, DAVID CITY UTILITIES
 200 W 20TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

ELECTRIC:
 Contract Info:
 RMT 10371, DAVID CITY ELECTRIC
 1000 W 10TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

TELEPHONE:
 Contract Info:
 WINDSTREAM COMMUNICATIONS
 P: 1.800.315.1133

GIS:
 Contract Info:
 BLACK HILLS ENERGY
 8150 N DALLAS
 SIOUX FALLS, SD 57105
 P: 605.336.6301

CONTACTS

OWNER:
 Address:
 490 E STREET, P.O. BOX 191
 DAVID CITY, NE 68632

Contract Info:
 A-101200007
 CITY OF DAVID CITY
 200 W 20TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

COORDINATING PROFESSIONAL:
 Address:
 807 N. GARDNER ST
 WEAVER, NE 68562

Contract Info:
 ETHAN JOY, PE
 500 10007A, DAVID CITY UTILITIES
 200 W 20TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

E. ETHAN JOY, PE, acts as the coordinating professional on the David City Water Main Replacement project.

CIVIL ENGINEERS:
 Address:
 807 N. GARDNER ST
 WEAVER, NE 68562

Contract Info:
 ETHAN JOY, PE
 500 10007A, DAVID CITY UTILITIES
 200 W 20TH ST, DAVID CITY, NE 68632
 P: 402.636.6200

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

CITY OF DAVID CITY
 490 E STREET, P.O. BOX 191
 DAVID CITY, NE 68632
 JEO PROJECT NO.: 251298.00



ISSUE

MARK DATE DESCRIPTION
 TO 04/25/26 100% SUBMITAL

INDEX OF SHEETS

SHEET NO.

000001 COVER SHEET
 000002 2025 N 6TH STREET WATER MAIN PLAN AND PROFILE
 000003 2025 N 6TH STREET WATER MAIN PLAN AND PROFILE
 000004 2025 N 6TH STREET WATER MAIN PLAN AND PROFILE
 000005 2025 N 6TH STREET WATER MAIN PLAN AND PROFILE
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SCALE: N.T.S.

SHEET IDENTIFICATION

SERIES DESIGNATOR
 DISCIPLINE DESIGNATOR
 SHEET TYPE DESIGNATOR
 SHEET SEQUENCE

000G101

DISCIPLINE DESIGNATOR

00	GENERAL
01	WATER
02	SEWER
03	ELECTRIC
04	TELEPHONE
05	TELEVISION
06	CABLE
07	CONCRETE
08	ASPHALT
09	PAVEMENT
10	LANDSCAPE
11	ARCHITECTURE
12	MECHANICAL AND PLUMBING
13	ELECTRICAL

SHEET TYPE DESIGNATOR

01	GENERAL
02	PLAN AND CONSTRUCTION PLAN & PROFILE
03	CONSTRUCTION
04	SECTION
05	DETAIL
06	SCHEDULE AND DIMENSION
07	NOT USED
08	CONSTRUCTION NOTES

811
 Dig Safe Nebraska
 Call before you dig

THE EXACT LOCATION AND DEPTH OF ALL UTILITIES ARE NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

CITY OF DAVID CITY
 490 E STREET, P.O. BOX 191
 DAVID CITY, NE 68632

JEO PROJECT NO.: 251298.00
COUNTY: DAVID
DATE: 10/27

Additional Project Info:

811 CALLS ARE NOT THE RESPONSIBILITY OF THE CONTRACTOR.
 VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

000G001

COVER

00G001



JRC CONSULTING GROUP
 800 NICHOLSON ST
 WILKINSON, NC 27686
 800.723.8667 | jrc.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-2008

(Contact Us and Drop Us)
 Attention: Contracts
 10000 Old Highway 101
 Address Line 1
 (252) 298-0000
 (202) 633-0000



ISSUE
 MARK DATE DESCRIPTION
 TO 05/20/26 05/20/26 05/20/26

**2025 N 8TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN**

CITY OF SANFORD
 WATER UTILITY (PO BOX 181)
 SANFORD, NC 27570

JRC PROJECT NO.: 25-028-00
 DRAWING NO.: AUTUMN
 DATE: 05/20/26

SCALE: 1" = 10'-0" (SEE NOTES)
 NORTH ARROW
 NORTH ARROW

SYMBOLS SHEET

PAVING FEATURES

ITEM	SYMBOL
EXTRA TREATMENT JOINT	
TRANSVERSE JOINT	
LONGITUDINAL JOINT	
EXPANDED JOINT	
PAVEMENT MARKING	
PAVEMENT REPAIR	
MANHOLE SYMBOL	

VEGETATION

ITEM	SYMBOL
BUSH	
CONIFEROUS TREE	
DECIDUOUS TREE	
MANHOLE LANE	
TREE MASS LINE	
TREE STAMP	

SWPPP

ITEM	SYMBOL
SOIL FENCE	
SWEEP PROTECTION	
SWEEP WASTE CHECK	
SPRINKLER CHECK	
FLUSH AREA FLAG	
FLUSH AREA FLAG	
FILTER PROTECTION	

GENERAL

ITEM	SYMBOL
PLAN REVISION	
NORTH ARROW	
GRAPHIC SCALE PLAN	
GRAPHIC SCALE PROFILE	
CROSS SECTION	
REVISION OR TAILLOR NOTE	
REFERENCED NOTE	
ELEVATION	
SECTION	
ENLARGED DETAIL	

SITE & SIGNAGE

ITEM	SYMBOL
SOIL	
BIORETENTION	
REPAVING	
COUNTY ROAD	
INTERSTATE HIGHWAY	
STATE HIGHWAY	
U.S. HIGHWAY	
MILE MARKER POST	
RIGHT OF WAY MARKER	
BIORETENTION	
FLAG POLE	
MANHOLE	
PERMITS TAG	
SATELLITE TV DISH	
WINDMILL	

CONTROL & ELEVATION

ITEM	SYMBOL
BENCHMARK	
CONTROL POINT (NON-PROPERTY)	
MONUMENT FOUND (PROPERTY)	
MONUMENT SET	
TEMPORARY POINT	
TEST BORING	
POINT ELEVATION (EXISTING)	
POINT ELEVATION (PROPOSED)	
TOP OF FINISH	
GROUND	
TOP OF WALL	
BOTTOM OF WALL	
FLOWLINE	
END TOOL	

MISC FEATURES

ITEM	SYMBOL
CONTROL POINT	
COUNTERTOP	
GRADE	
CHURCH	
CAGE	
CUSTOM	
LANTERN	
OLE WELLS	
GLASS POST	

UTILITIES

ITEM	SYMBOL
EXPOSURE	
CURB INLET	
CHUTE INLET	
CATCH BASIN	
STORM SEWER MANHOLE	
SANITARY	
CLEANOUT	
SEPTIC TANK	
SANITARY MANHOLE	
POWER ELECTRICAL LIGHT AND TRAFFIC AIR CONDITIONING UNIT	
ANTENNA	
ANCHOR POLYPOST	
ODJ POLE	
ODJ WIRE ANCHOR	
ELECTRICAL INSULATION TOWER METAL (CONCRETE)	
POWER POLE (WOOD)	
POWER POLE (METAL)	
POWER (ELECT) TALL BOX OR MANHOLE	
POWER (ELECT) METER	
LIGHT POLE	
TRANSFORMER	
TRANSFORMER BOX	
TELEVISION FEDERAL	
TELEVISION MANHOLE	
WATER	
WATER MANHOLE	
WATER VALVE	
WATER SHUT OFF ON CURB STOP	
WELL	
WATER METER	
WATER METER PIT	
WATER METER	
WATER ELEVATION	
WATER TOWER	
FIRE HYDRANT (EXISTING)	
FIRE HYDRANT (PROPOSED)	
FIRE HYDRANT IN PROFILE	
METER SETTING	
14" UP	
24" UP	
30"	
ODJGS	
ODJGS	
REDACTER	
TELE	
GAS	
GAS METER	
GAS MANHOLE	
GAS TELL PIPE	
GAS TAP	
GAS VALVE	
GAS VENT	
TELEPHONE	
TELEPHONE FULL BOX	
TELEPHONE POLE	
TELEPHONE FULL BOX MANHOLE	
TELEPHONE FEDERAL	
MANHOLE (NON-PROF)	
UNDERGROUND STORAGE TANK	
WAVE MANHOLE	

COMMON HATCHING

ITEM	HATCH
ASPHALT PAVEMENT (20)	
CONCRETE PAVEMENT (8)	
GRAVEL (8)	
BRICK PAVEMENT (8)	
ASPHALT PAVEMENT (10)	
CONCRETE PAVEMENT (10)	
CONCRETE SIDEWALK (10)	
GRAVEL (10)	
BRICK PAVEMENT (10)	
REFRAP	
SEEDING	
MATTING	
UNDISTURBED EARTH	
EARTH	
GRAVEL/FILL	
SAND/MORTAR PLASTER	
CONCRETE	
BRICK	
CONCRETE BLOCK	
METAL	
WOOD FRAMING	
METAL FRAMING	
BATT INSULATION	
ROOF INSULATION	

LINESTYLES

ITEM	SYMBOL
BREAK LINE	
CABLE TELEVISION	
CABLE TV (8)	
CONTROL LINE (ROAD)	
CONTROL LINE (8)	
CONTROL LINE (10)	
CONTROL LINE (12)	
CONTROL LINE (14)	
CONTROL LINE (16)	
CONTROL LINE (18)	
CONTROL LINE (20)	
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JBO CONSULTING GROUP
 25 FORT MEADE ST
 WACO, TX 76798
 817.722.8877 | jbo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA2008



ISSUE DATE: 05/20/26
 MARK DATE: 05/20/26
 TO: 05/20/26 10% SUBMITTAL

2026 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

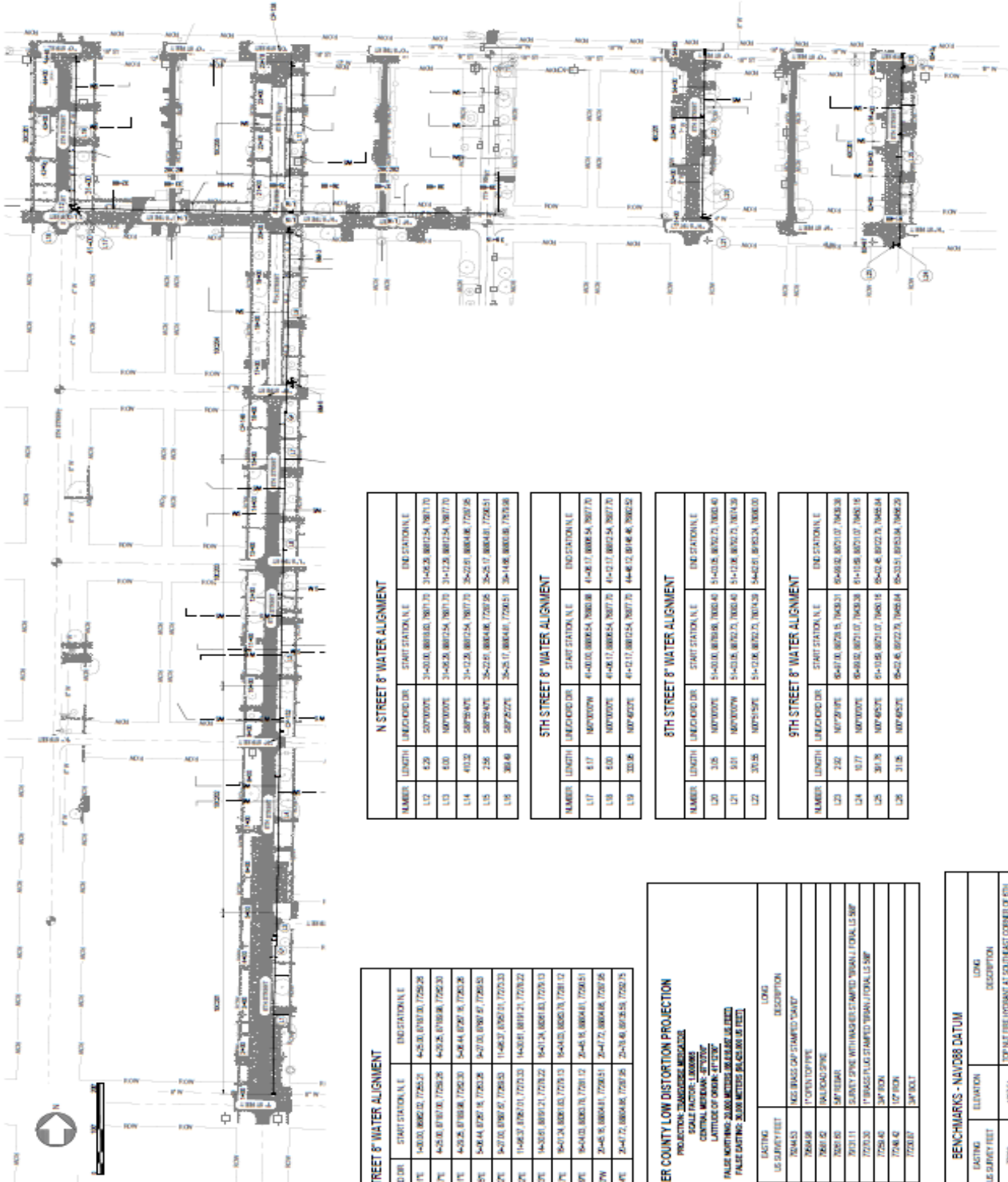
CITY OF WACO CITY
 401 STREET, P.O. BOX 191
 WACO, TX 76798

PROJECT NO.: 2510810
 DRAWING: A0114H
 SCALE: 1"=20'

SCALE: 1"=20' (SEE NOTE FOR BENCH MARKS)
 WHAT'S NEW FOR THIS PROJECT (CHECK)


WATER MAIN HORIZONTAL
 ALIGNMENT AND CONTROL

00V101



N STREET 8" WATER ALIGNMENT

NUMBER	LENGTH	LINE/CHORD DR.	START STATION N.E.	END STATION N.E.
L12	5.29	S07°00'00"	3+40.00, 88915.00, 78677.70	3+45.29, 88912.54, 78677.70
L13	4.00	S07°00'00"	3+45.29, 88912.54, 78677.70	3+49.29, 88912.54, 78677.70
L14	40.52	S87°25'40"	3+49.29, 88912.54, 78677.70	3+89.81, 88614.46, 77267.58
L15	2.56	S87°25'40"	3+89.81, 88614.46, 77267.58	3+92.37, 88614.46, 77267.58
L16	309.40	S87°25'22"	3+92.37, 88614.46, 77267.58	3+401.77, 88016.00, 77075.58

5TH STREET 8" WATER ALIGNMENT

NUMBER	LENGTH	LINE/CHORD DR.	START STATION N.E.	END STATION N.E.
L17	6.17	S07°00'00"	4+40.00, 88915.00, 78677.70	4+46.17, 88912.54, 78677.70
L18	4.00	S07°00'00"	4+46.17, 88912.54, 78677.70	4+50.17, 88912.54, 78677.70
L19	303.36	S07°45'22"	4+50.17, 88912.54, 78677.70	4+483.53, 87416.46, 76625.58

8TH STREET 8" WATER ALIGNMENT

NUMBER	LENGTH	LINE/CHORD DR.	START STATION N.E.	END STATION N.E.
L20	3.05	S07°00'00"	5+40.00, 88915.00, 78677.70	5+43.05, 88912.54, 78677.70
L21	5.21	S07°00'00"	5+43.05, 88912.54, 78677.70	5+48.26, 88912.54, 78677.70
L22	303.36	S07°45'22"	5+48.26, 88912.54, 78677.70	5+481.62, 87416.46, 76625.58

9TH STREET 8" WATER ALIGNMENT

NUMBER	LENGTH	LINE/CHORD DR.	START STATION N.E.	END STATION N.E.
L23	2.62	S07°20'00"	6+40.00, 88726.15, 78433.31	6+42.62, 88726.15, 78433.31
L24	10.17	S07°20'00"	6+42.62, 88726.15, 78433.31	6+52.79, 88726.15, 78433.31
L25	301.38	S07°45'22"	6+52.79, 88726.15, 78433.31	6+484.17, 87416.46, 76625.58
L26	31.82	S07°45'22"	6+484.17, 87416.46, 76625.58	6+516.00, 87416.46, 76625.58

6TH STREET 8" WATER ALIGNMENT

NUMBER	LENGTH	LINE/CHORD DR.	START STATION N.E.	END STATION N.E.
L1	265.30	S07°45'15"	1+40.00, 88915.00, 78677.70	4+05.30, 87917.00, 77267.58
L2	4.25	S07°45'15"	4+05.30, 87917.00, 77267.58	4+09.55, 87917.00, 77267.58
L3	71.18	S07°45'15"	4+09.55, 87917.00, 77267.58	5+40.73, 87917.00, 77267.58
L4	403.56	S07°45'15"	5+40.73, 87917.00, 77267.58	9+44.29, 87917.00, 77267.58
L5	265.30	S07°45'15"	9+44.29, 87917.00, 77267.58	11+49.59, 87917.00, 77267.58
L6	244.26	S07°45'15"	11+49.59, 87917.00, 77267.58	14+13.85, 87917.00, 77267.58
L7	176.62	S07°45'15"	14+13.85, 87917.00, 77267.58	16+10.47, 87917.00, 77267.58
L8	239	S07°45'15"	16+10.47, 87917.00, 77267.58	18+49.47, 87917.00, 77267.58
L9	441.03	S07°45'15"	18+49.47, 87917.00, 77267.58	23+50.50, 87917.00, 77267.58
L10	236	S07°45'15"	23+50.50, 87917.00, 77267.58	26+16.53, 87917.00, 77267.58
L11	303.77	S07°45'15"	26+16.53, 87917.00, 77267.58	29+20.30, 87917.00, 77267.58

BUTLER COUNTY LOW DISTORTION PROJECTION
 PROJECTION: TRANSVERSE MERCATOR
 SCALE FACTOR: 0.999999
 FALSE EASTING: 3000 METERS (606858.46 FEET)
 FALSE NORTHING: 3000 METERS (606858.46 FEET)
 LATITUDE OF ORIGIN: 31°23'00"

POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	LONG DESCRIPTION
CP-08	88917.57	78645.53	NED BRASS CAP STAMPED '5407'
CP-02	88713.15	78648.08	'1' POINT TOP OF SPIRE
CP-08	88688.08	78648.08	'1' BRASS FLAG STAMPED '5407'
CP-10	82204.41	78648.08	SMP REBAR
CP-15	84411.91	77013.03	SLANTY SPIRE WITH BRASS CAP STAMPED '5407' FOR ILL. SMP
CP-08	88759.03	77013.03	'1' BRASS FLAG STAMPED '5407' FOR ILL. SMP
CP-04	88608.64	77264.46	SMP REBAR
CP-02	88723.03	77046.46	TOP OF SIGN
CP-08	88638.56	77267.58	SMP REBAR

BENCHMARKS - NAVD83 DATUM

POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	ELEVATION	LONG DESCRIPTION
BM-3	88738	77268	1621.54	TOP NAT FIRE INTAKWAY AT SOUTHWEST CORNER OF 5TH STREET & N V STREET
BM-4	88628	77262	1626.26	TOP NAT FIRE INTAKWAY AT SOUTHWEST CORNER OF 5TH STREET & N V STREET
BM-1	82224	78204	1611.06	TOP NAT FIRE INTAKWAY AT SOUTHWEST CORNER OF 11TH STREET EAST OF BROOKSTONE RETIREMENT HOME
CP-02	88526	78204	1626.00	NED BRASS CAP STAMPED '5407' NORTH END OF 11TH STREET SOUTH OF BALDWIN TRAILS

Small text at the bottom of the page, likely containing project details and legal disclaimers.



J&B CONSULTING GROUP
 107 FORT WORTH ST
 WACO, TX 76798
 817.771.8567 | j&b.com

CORPORATION CERTIFICATE OF AUTHORIZATION NUMBER: CA2858



PAUL A. JANDACEK
 ENGINEER, P.E.
 LICENSE NO. 61202A

ISSUE

MARK DATE DESCRIPTION
 1D 04/25/25 10% SUBMITTAL

2025 N 8TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

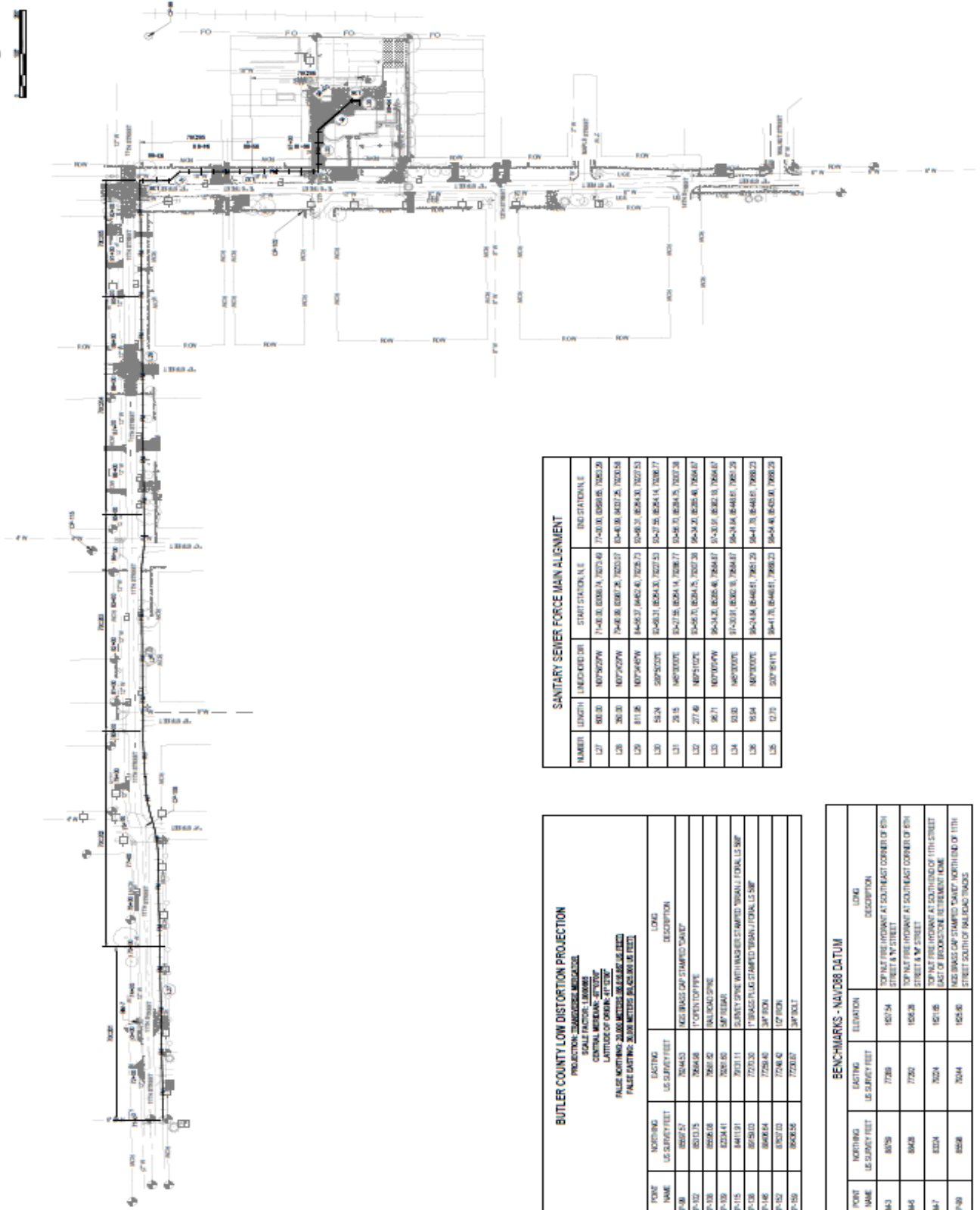
CITY OF DAVO CITY
 401 E STREET, P.O. BOX 191
 DAVO CITY, TX 76832

JOB PROJECT NO.: 2405010
 DRAWING NO.: A0111A
 SCALE: 1"=10'

WATER MAIN PROJECT (2025) (2025) (2025)



FORCE MAIN HORIZONTAL ALIGNMENT AND CONTROL



NUMBER	LENGTH	UNITS	START STATION, U.S.	END STATION, U.S.
127	60.00	10779272W	71+00.00 (820614, 7072.40)	71+60.00 (826616, 7083.20)
128	265.00	10779272W	71+60.00 (826616, 7083.20)	74+25.00 (843118, 7202.57)
129	811.00	10779445W	74+25.00 (843118, 7202.57)	82+36.00 (860620, 7327.53)
130	53.24	10779502E	82+36.00 (860620, 7327.53)	82+89.24 (865940, 7358.77)
131	28.70	10779502E	82+89.24 (865940, 7358.77)	83+17.94 (868810, 7387.48)
132	271.40	10779102E	83+17.94 (868810, 7387.48)	85+89.34 (895950, 7558.87)
133	26.71	10779502E	85+89.34 (895950, 7558.87)	86+16.05 (902650, 7584.87)
134	63.00	10779502E	86+16.05 (902650, 7584.87)	86+79.05 (910950, 7647.87)
135	15.54	10779502E	86+79.05 (910950, 7647.87)	86+94.59 (912504, 7663.41)
136	63.75	10779502E	86+94.59 (912504, 7663.41)	87+58.34 (923879, 7766.16)

POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	LONG DESCRIPTION
CP-08	8859.27	7264.53	842 BRASS CAP STAMPED 'DAVIT'
CP-02	8810.75	7265.08	7" OPEN TOP PIPE
CP-03	8826.08	7266.45	54" GALV. GALV. PIPE
CP-05	8224.41	7266.85	54" PIPE
CP-10	8417.11	7272.11	SURVEY SPINE WITH BRASS CAP STAMPED 'SIGNAL / TORNAL IS S&P'
CP-12	8525.02	7272.25	7" BRASS T.I.G. STAMPED 'SIGNAL / TORNAL IS S&P'
CP-16	8604.54	7259.45	54" PIPE
CP-17	8307.03	7246.42	12" SIGN
CP-18	8604.56	7228.07	54" PIPE

POINT NAME	NORTHING US SURVEY FEET	EASTING US SURVEY FEET	EL ELEVATION	LONG DESCRIPTION
BM-3	8878	7789	1517.54	TOP OF 4" IRON ROD AT SOUTH EAST CORNER OF 6TH STREET & N 8TH STREET
BM-4	8848	7792	1508.28	TOP OF 4" IRON ROD AT SOUTH EAST CORNER OF 6TH STREET & W STREET
BM-7	8328	7624	1471.05	TOP OF 4" IRON ROD AT CENTERLINE OF 11TH STREET
CP-09	8528	7644	1455.05	THE BRASS CAP STAMPED 'DAVIT' NORTH END OF 11TH STREET SOUTH OF 840 ROAD TRACKS



JEO CONSULTING GROUP
 1001 INDUSTRIAL ST
 WACO, TX 76798
 800.722.2807 | jeo.com



ISSUE DATE: 05/13/2026
 TO: DAVIDSON 100% SUBMITTAL

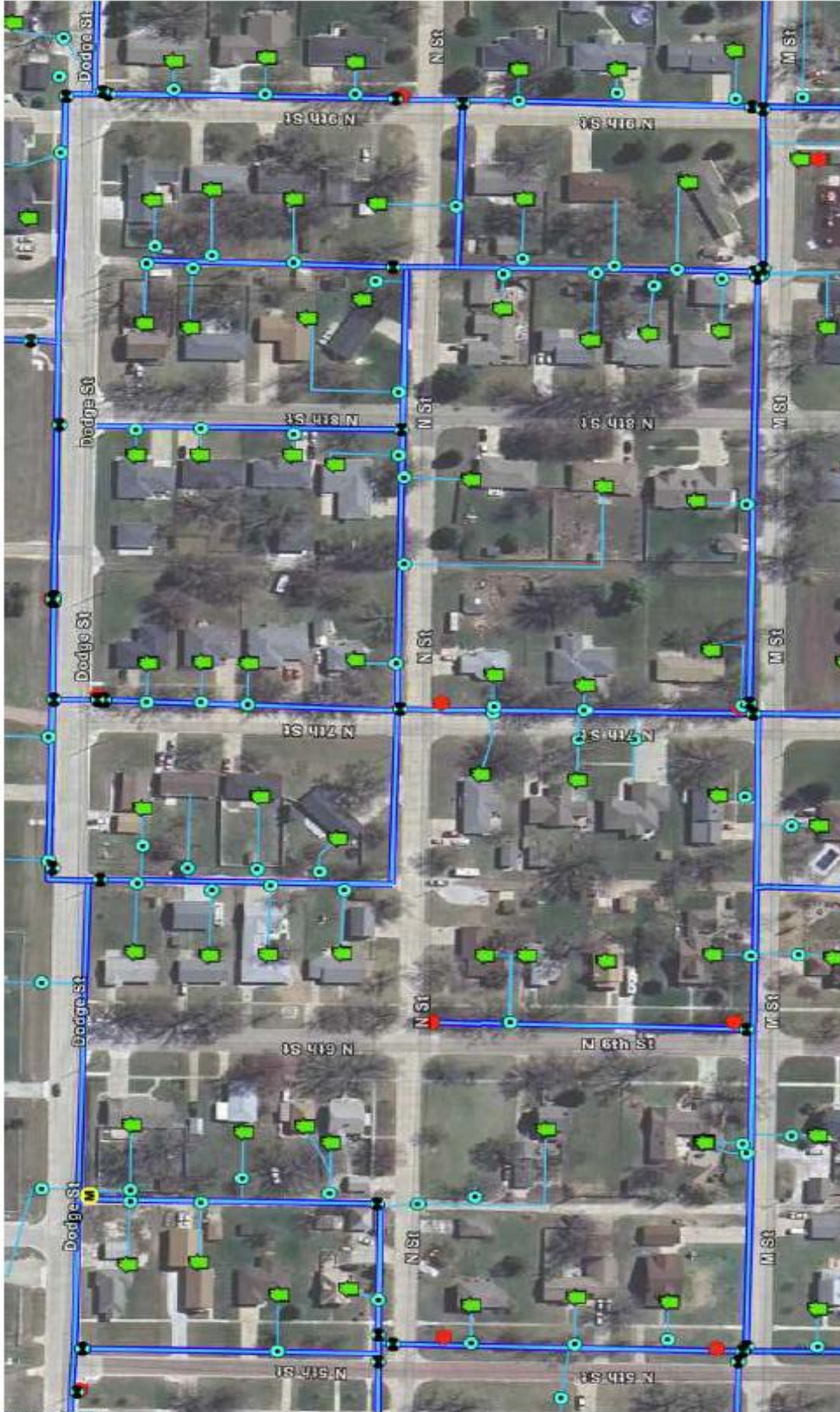
2025 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

CITY OF DAVENPORT
 4011 STREET, P.O. BOX 81
 DAVENPORT, IA 50521
 JOB PROJECT NO.: 25-0002
 DRAWING NO.: 25-0002-01
 SCALE: 1"=50'

WATER SERVICE MAP
 WACO, TEXAS
 WACO WATER UTILITY

EXISTING WATER SERVICE MAP

00C101



ITEM	SYMBOL
WATER VALVE	Green circle with black outline
WATER CLUB STOP	Red circle with black outline
WATER FIRE WORKANT	Yellow circle with black outline
WATER FUSH WORKANT	Blue circle with black outline
WATER HIGH-INDICATOR VALVE	Black circle with black outline
WATER BACKFLOW	Black circle with black outline
WATER SERVICE METER	Green circle with black outline
WATER METER FIT	Blue circle with black outline
WATER MAIN PIPE	Blue line
WATER SERVICE LINE	Blue line



EXISTING WATER SERVICE MAP
 05/13/2026

NOTE:
 THE EXISTING WATER SERVICE INFORMATION SHOWN HEREIN IS FROM A CITY
 PROVIDED DATABASE AND MAY NOT ACCURATELY REFLECT LOCATION OF
 WATER SERVICES. CONTRACTOR SHALL FIELD VERIFY LOCATION OF WATER
 SERVICES PRIOR TO INSTALLATION. THIS IS FOR REFERENCE ONLY.



JACO CONSULTING GROUP
 1507 FREDERICK ST
 WINDY HILL, NE 68086
 402.722.8867 | jac.com

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA2016



ISSUE: WATER MAIN
 DATE: 06/13/2024
 TO: 06/13/2024
 DESCRIPTION: 2026 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

2026 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

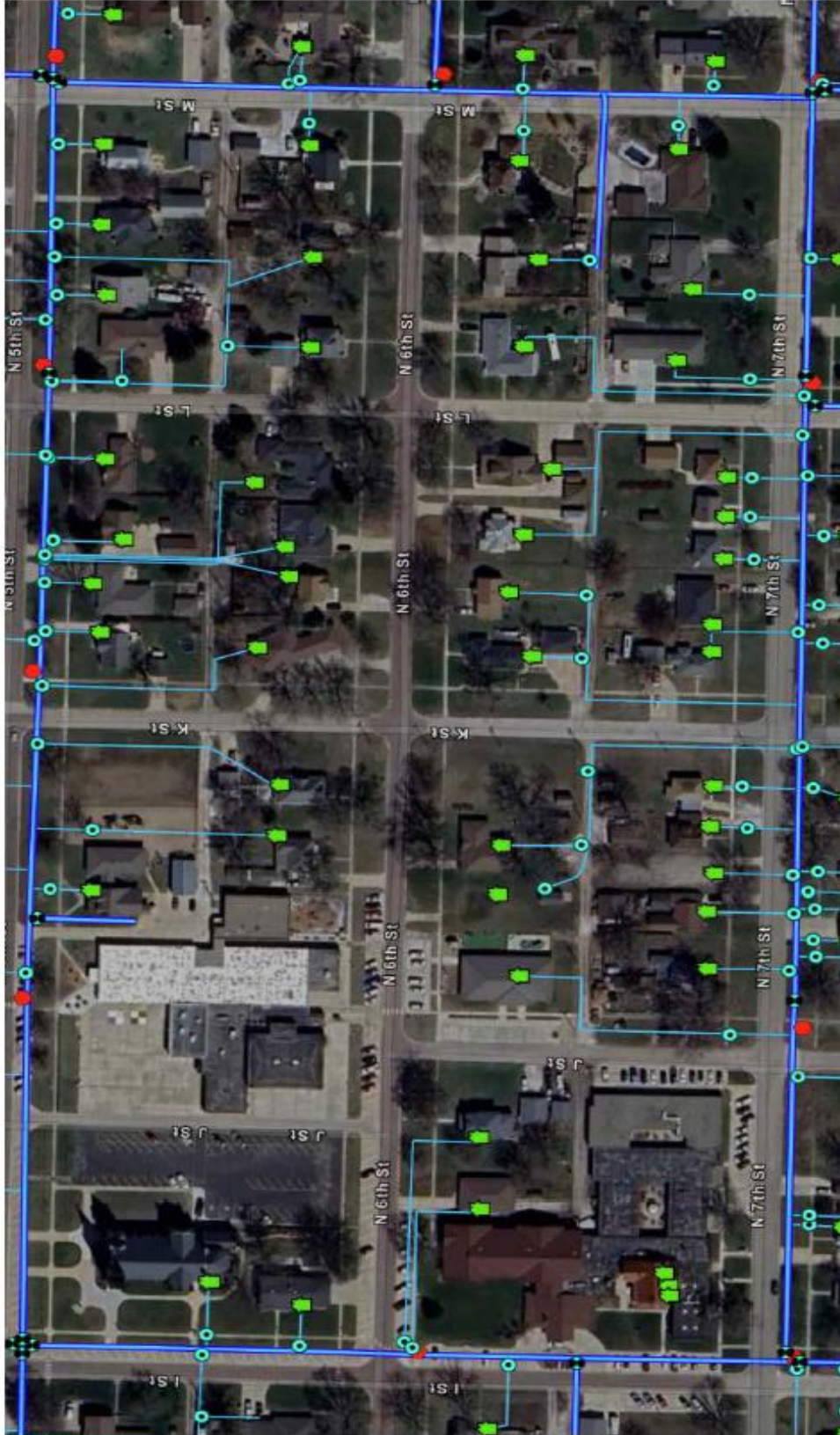
CITY OF OMAHA CITY
 401 E STREET, 3RD FLOOR
 OMAHA, NE 68102

PROJECT NO.: 26-0265
 ADMIN BY: ADITYAN
 DRAWN BY: RSP

FOR ALL SERVICES NOT SHOWN ON THIS MAP, REFER TO THE PROJECT SPECIFICATIONS AND CITY OF OMAHA STANDARDS.

EXISTING WATER SERVICE MAP

00C102



ITEM	SYMBOL
WATER VALVE	
WATER SERVICE LINE	
WATER SERVICE HYDRANT	
WATER SERVICE HYDRANT	
WATER SERVICE VALVE	
WATER SERVICE METER	
WATER METER PIT	
WATER SERVICE LINE	



EXISTING WATER SERVICE MAP

NOTE: THE EXISTING WATER SERVICE INFORMATION SHOWN ABOVE IS FROM A CITY PROVIDED DATA AND MAY NOT ACCURATELY REFLECT CURRENT LOCATION OF WATER SERVICE CONTRACTOR SHALL VERIFY LOCATION OF WATER SERVICE CONTRACTOR TO REPAIR/REPLACE THE INFORMATION ONLY.



JRO CONSULTING GROUP
 207 FORT STREET
 WINDYBROOK, IL 60090
 TEL: 708.287.1400 | www.jro.com

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA-309



CITY OF OAK BROOK
 OFFICE OF THE CITY CLERK
 100 EAST OAK STREET
 OAK BROOK, IL 60452

ISSUE: TO: DATE: DESCRIPTION: TO: DATE: DESCRIPTION:

2025 N 8TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

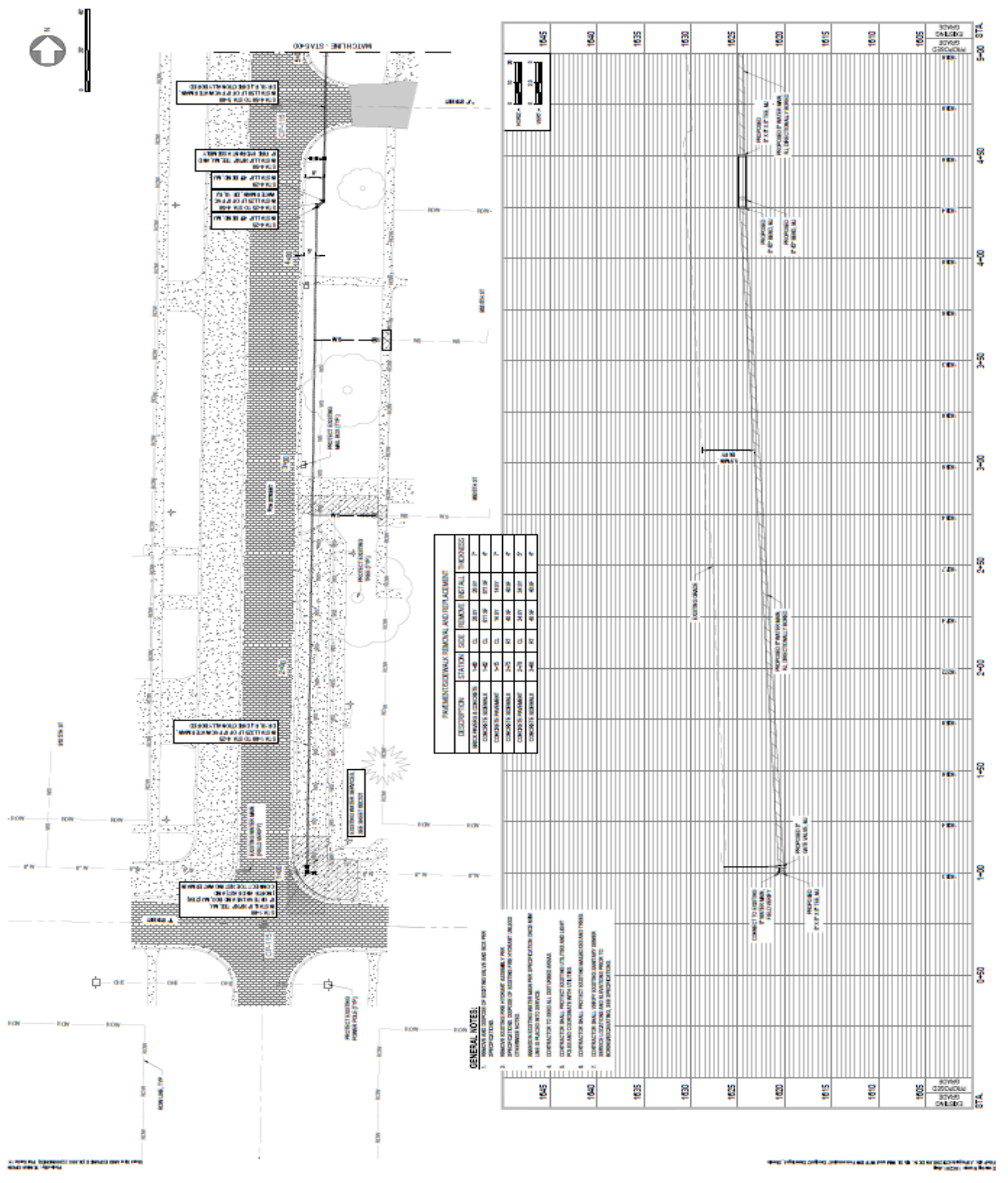
CITY OF OAK BROOK
 401 S. STREET, P.O. BOX 501
 OAK BROOK, IL 60452

JRO PROJECT NO.: 25-03610
 DRAWING NO.: A017411
 SCALE: 1"=20'

SCALE: 1"=20'
 WSPV SCALE: 1"=20'
 WSPV SCALE: 1"=20'

8TH STREET WATER MAIN PLAN AND PROFILE

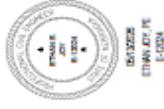
10C201





JEO CONSULTING GROUP
 100 FORESTHILL ST
 WACO, TX 76798
 800.722.2807 | JEO.COM

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA-3085



ISSUE
 MAKE DATE DESCRIPTION
 ITD DATE/ISSUE DATE SUBMITTAL

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

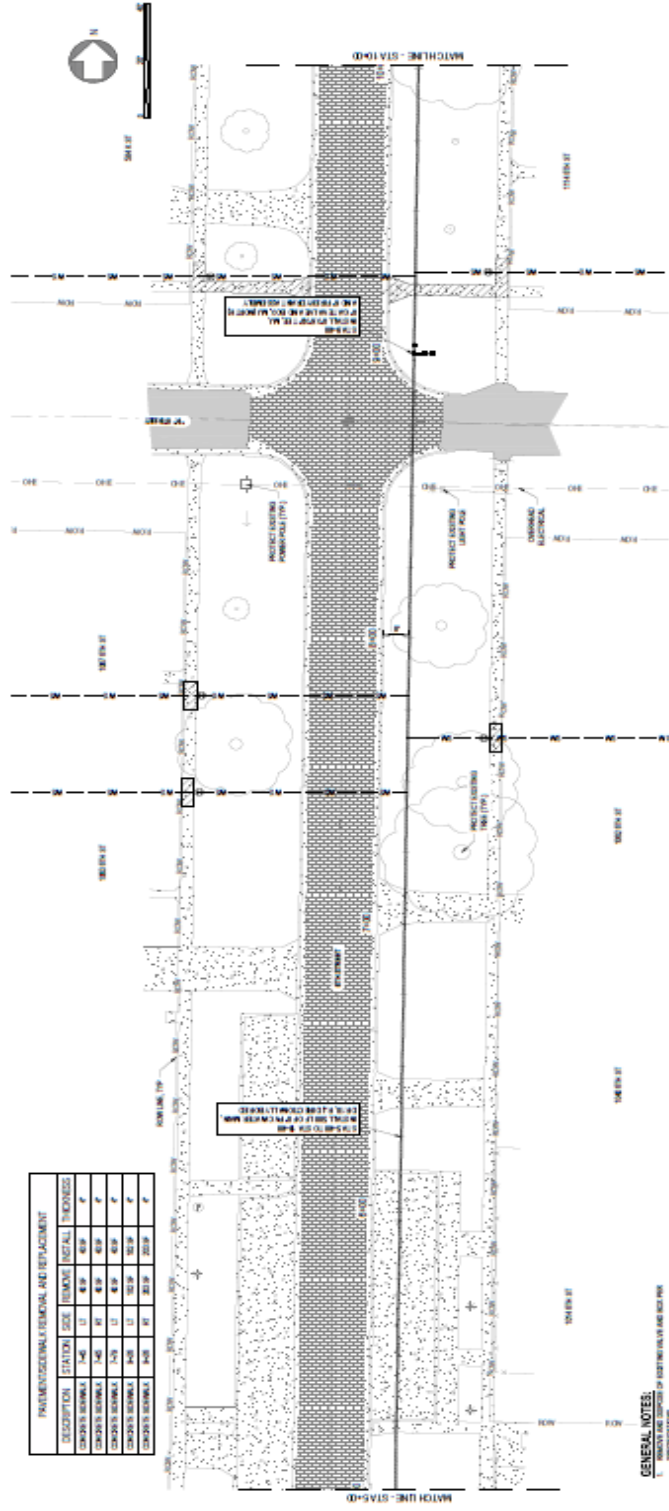
CITY OF DABBS CITY
 401 E STREET, P.O. BOX 511
 DABBS CITY, TX 76802

ISSUE PROJECT NO.: 24-00010
 DRAWING NO.: 24-00010-01
 DATE: 1/23/25



8TH STREET WATER MAIN
 PLAN AND PROFILE

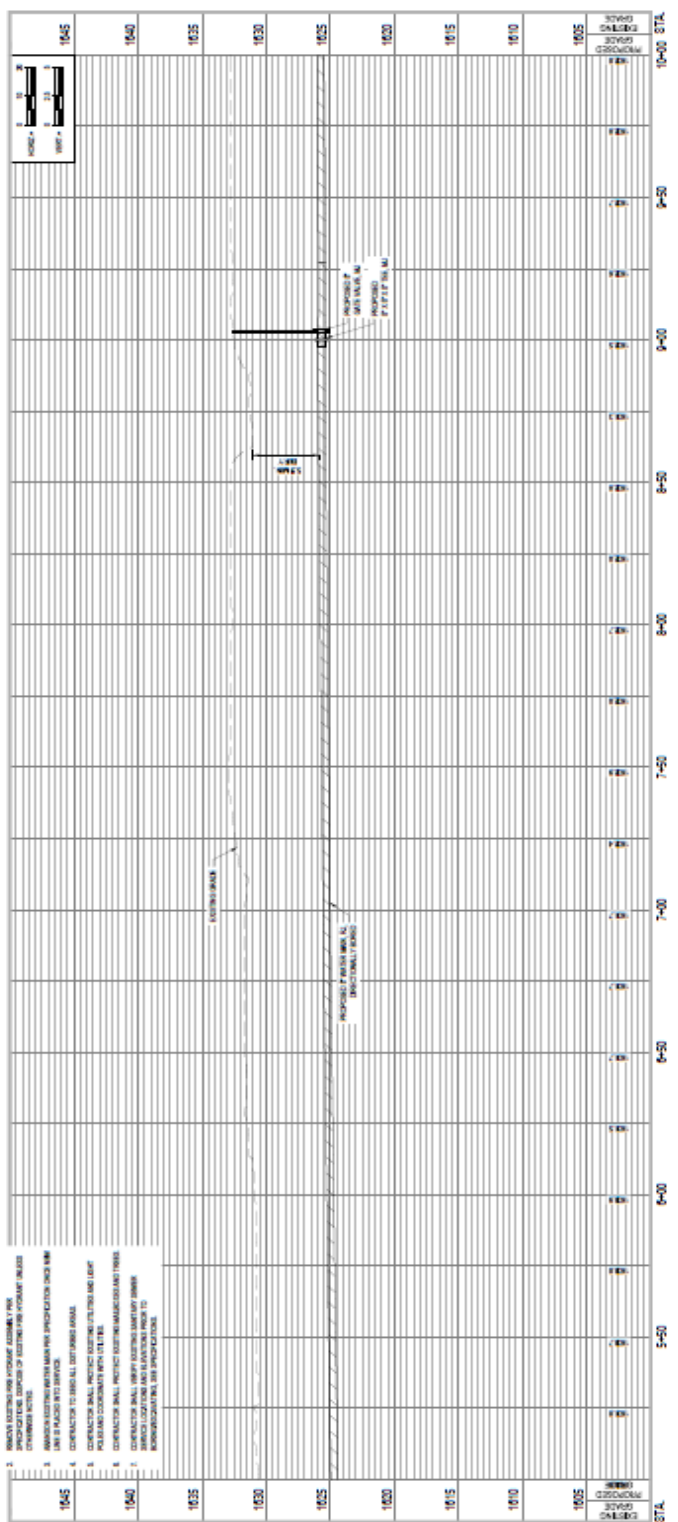
10C202



DESCRIPTION	STATION	SIZE	DEPTH	INSTALL	REMARKS
CONCRETE MANHOLE	101+00	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	101+50	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	102+00	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	102+50	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	103+00	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	103+50	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	104+00	48" DIA.	4'-0"	4'	
CONCRETE MANHOLE	104+50	48" DIA.	4'-0"	4'	

GENERAL NOTES:

- VERIFY EXISTING AND PROPOSED ASSEMBLY PER CITY SPECIFICATIONS.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND DEPT. OF UTILITY RECORDS FOR ACCURACY.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND DEPT. OF UTILITY RECORDS FOR ACCURACY.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND DEPT. OF UTILITY RECORDS FOR ACCURACY.
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- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND DEPT. OF UTILITY RECORDS FOR ACCURACY.
- CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND DEPT. OF UTILITY RECORDS FOR ACCURACY.



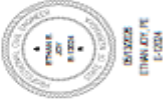
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JEO CONSULTING GROUP
 100 FRENCHMILL ST
 WENDELL, NE 68086
 402.222.8877 | jcg.com

OWNER'S CERTIFICATE OF AUTHORIZATION NUMBER: CA008



ISSUE: 05/20/25
 MARK: 05/20/25
 DATE: 05/20/25
 DESCRIPTION: 10% SUBMITTAL

2025 N 8TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

CITY OF GRAND CITY
 401 N STREET, P.O. BOX 101
 GRAND CITY, NE 68801

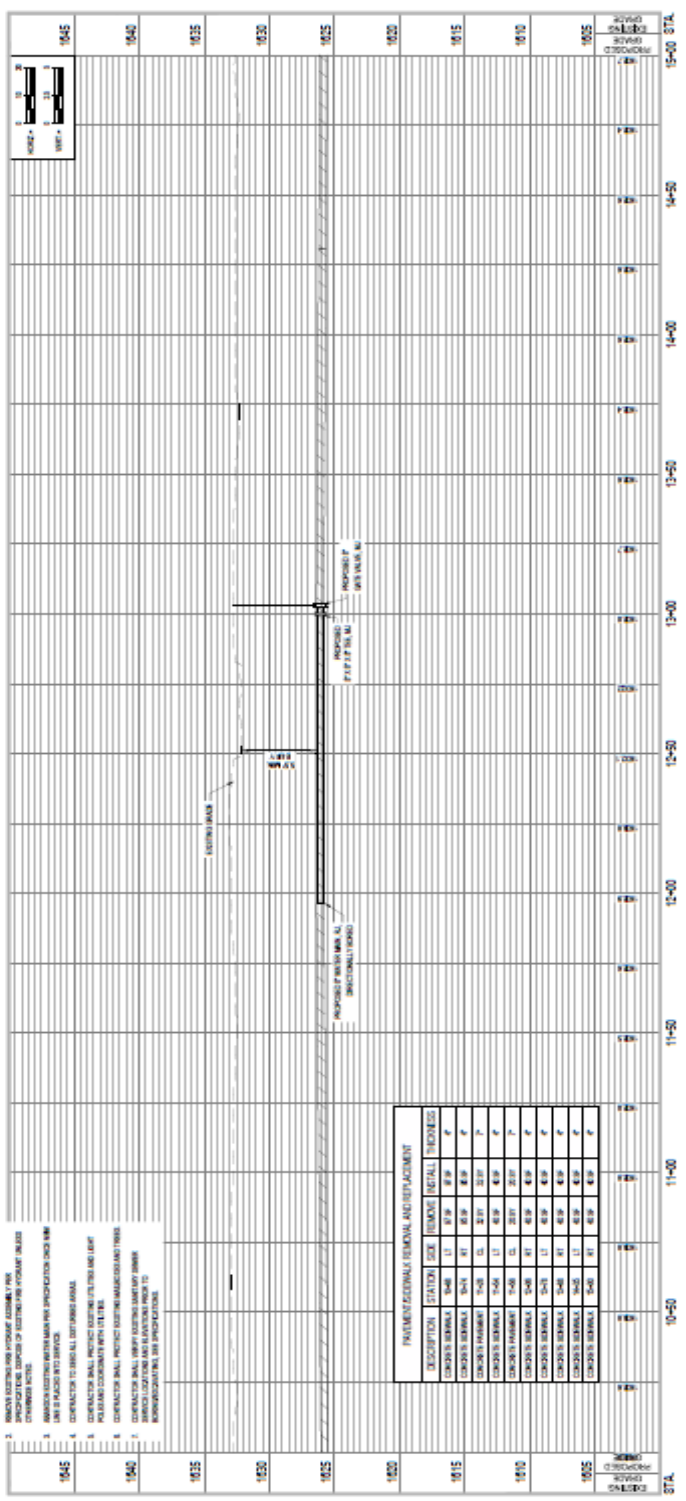
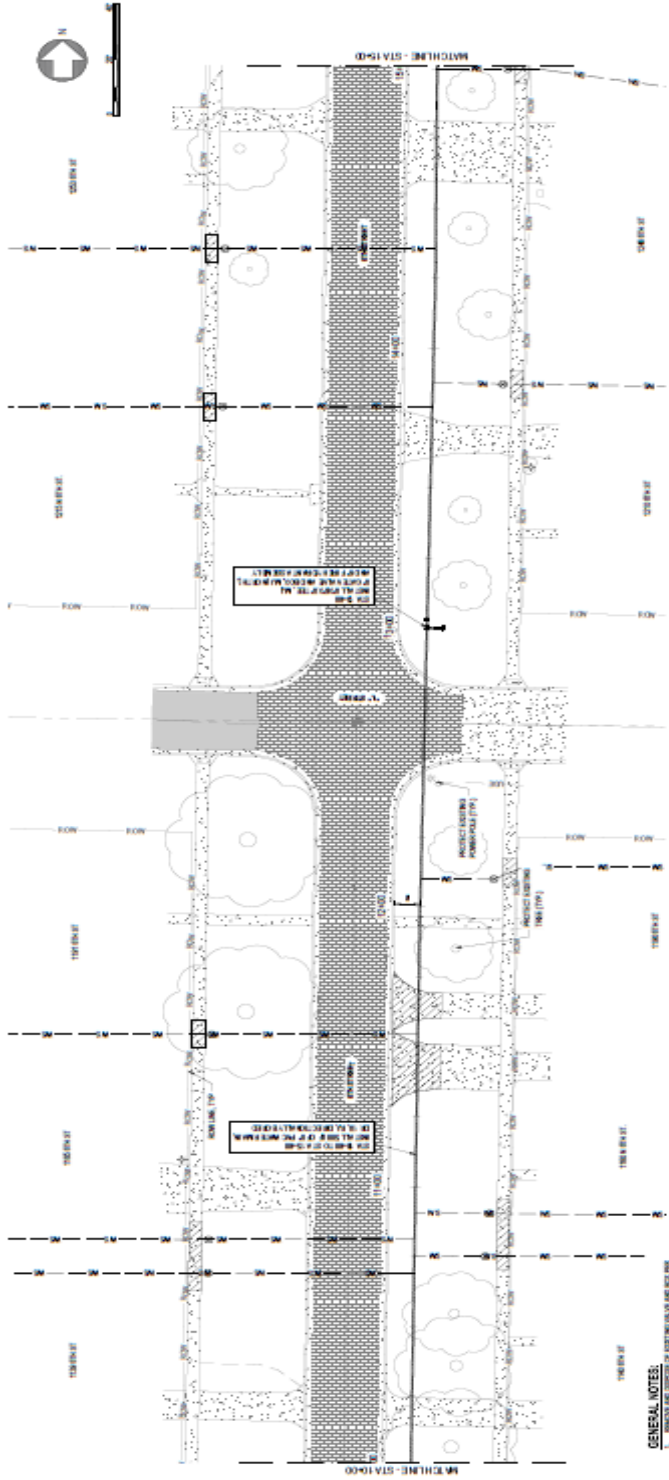
JEO PROJECT NO.: 24-026-00
 DRAWING NO.: A071741
 SCALE: 1"=20'

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 **Professional Engineer**

8TH STREET WATER MAIN PLAN AND PROFILE

100203



1. THIS PLAN IS A PRELIMINARY DESIGN AND SHOULD NOT BE USED FOR CONSTRUCTION.

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JEO CONSULTING GROUP
 1875 HICKORY ST
 WALKER, MO 64080
 (816) 721-9677 | jgcr.com

DEPARTMENT/CERTIFICATE OF
 AUTHORIZATION NUMBER: CH358



ISSUE MARK DATE DESCRIPTION
 170 05/25/2025 10% SUBMITTAL

**2025 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN**

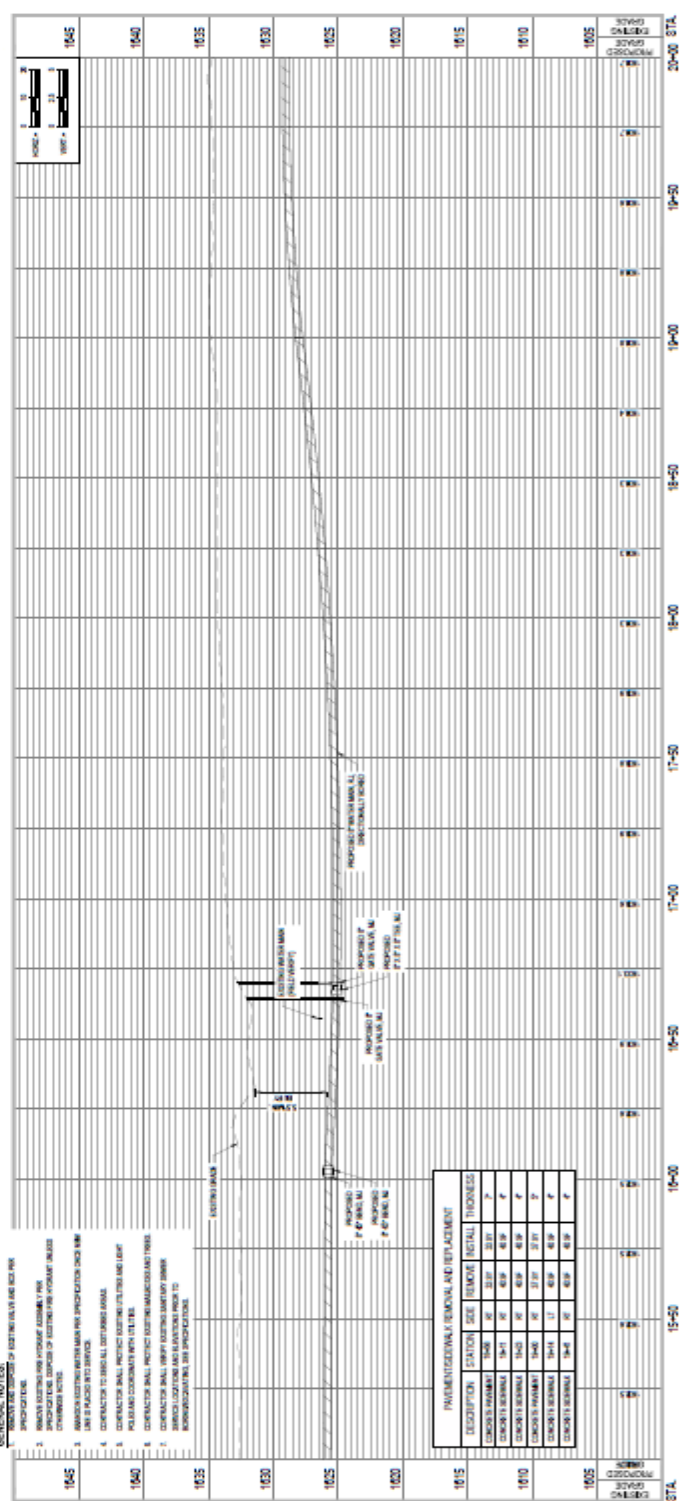
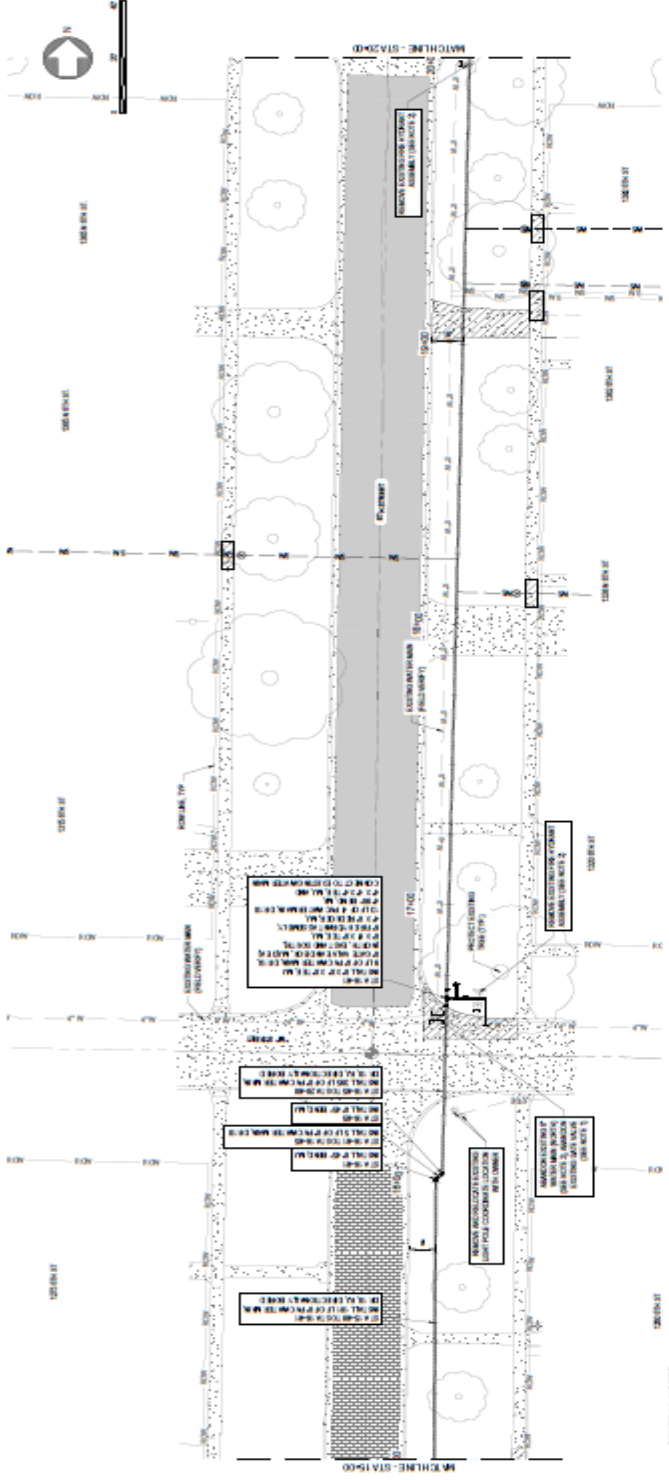
CITY OF DAVID CITY
 401 E STREET, P.O. BOX 191
 DAVID CITY, MO 64002

JOB PROJECT NO.: 251028.00
 DRAWN BY: ADITHYAN
 CHECKED BY: TSP

SCALE: AS SHOWN (SEE 251028.00 DWG)
 VERIFY LOCAL REQUIREMENTS FOR MATERIALS COMPLIANCE

**6TH STREET WATER MAIN
 PLAN AND PROFILE**

10C204



GENERAL NOTES:
 1. PROJECT AND STATIONING OF EXISTING UTILITIES AND RECORDS.
 2. MANHOLE SETTING SHALL BE IN ACCORDANCE WITH THE CITY OF DAVID CITY SPECIFICATIONS.
 3. MANHOLE EXISTING WATER MAIN AND IMPROVEMENT SHALL BE IN ACCORDANCE WITH THE CITY OF DAVID CITY SPECIFICATIONS.
 4. CONTRACTOR TO VERIFY ALL EXISTING RECORDS.
 5. CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND RECORDS.
 6. CONTRACTOR SHALL PROTECT EXISTING MANHOLES AND TRENCHES.
 7. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN AND RECORDS.
 8. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN AND RECORDS.
 9. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN AND RECORDS.

PROPOSED/EXISTING REMOVAL AND REPLACEMENT			
DESCRIPTION	STATION	SIZE	REMOVAL/INSTALL THICKNESS
CONCRETE MANHOLE	15+00	36" x 36"	4"
CONCRETE MANHOLE	15+15	36" x 36"	4"
CONCRETE MANHOLE	15+30	36" x 36"	4"
CONCRETE MANHOLE	15+45	36" x 36"	4"
CONCRETE MANHOLE	15+60	36" x 36"	4"
CONCRETE MANHOLE	15+75	36" x 36"	4"
CONCRETE MANHOLE	15+90	36" x 36"	4"
CONCRETE MANHOLE	16+05	36" x 36"	4"
CONCRETE MANHOLE	16+20	36" x 36"	4"
CONCRETE MANHOLE	16+35	36" x 36"	4"
CONCRETE MANHOLE	16+50	36" x 36"	4"
CONCRETE MANHOLE	16+65	36" x 36"	4"
CONCRETE MANHOLE	16+80	36" x 36"	4"
CONCRETE MANHOLE	16+95	36" x 36"	4"

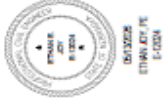
11. THE CITY OF DAVID CITY IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR OR OTHER SOURCES.

12. THE CITY OF DAVID CITY IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CONTRACTOR OR OTHER SOURCES.



JEO CONSULTING GROUP
 107 VINEHART ST
 WAXAO, NC 28090
 800.722.8667 | jcg.com

CONSULTING ENGINEER OF RECORD
 AUTHORIZATION NUMBER: CA008



ISSUE
 MARK DATE DESCRIPTION
 PD 03/28/25 100% SUBMITTAL

2025 N 8TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

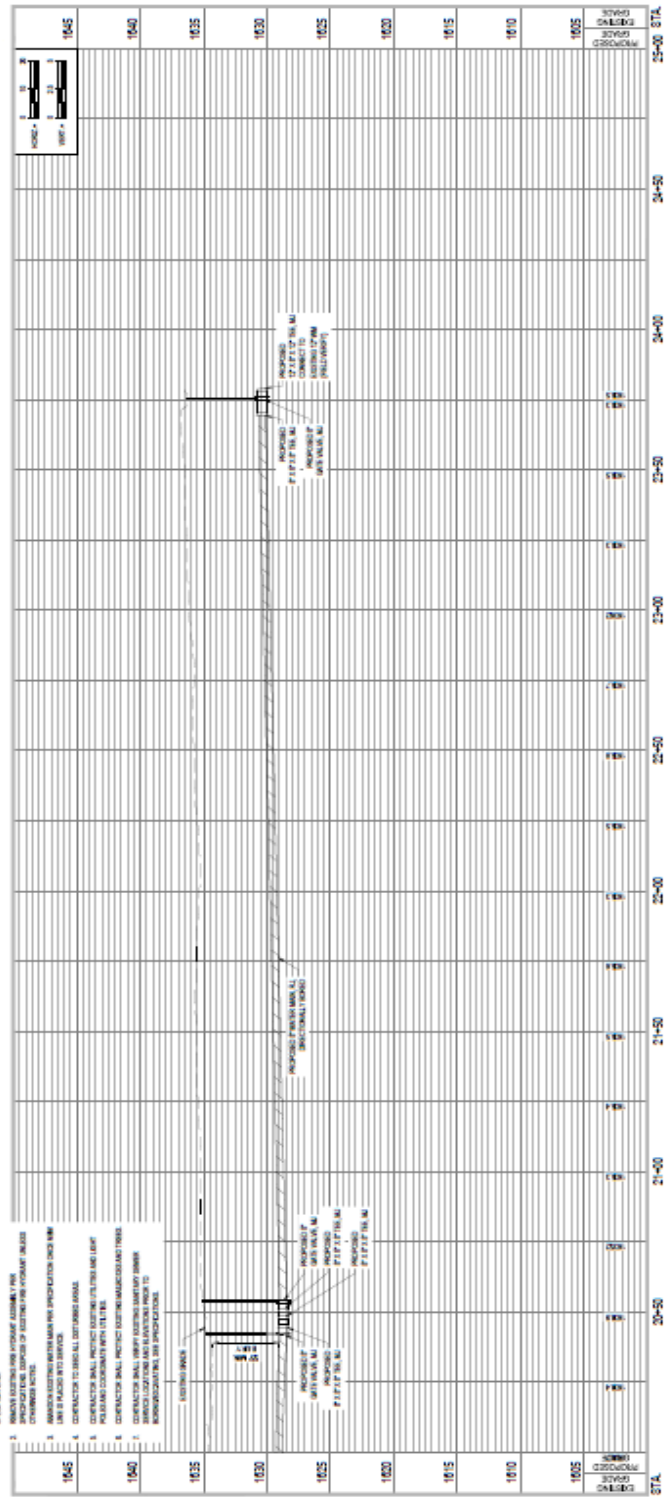
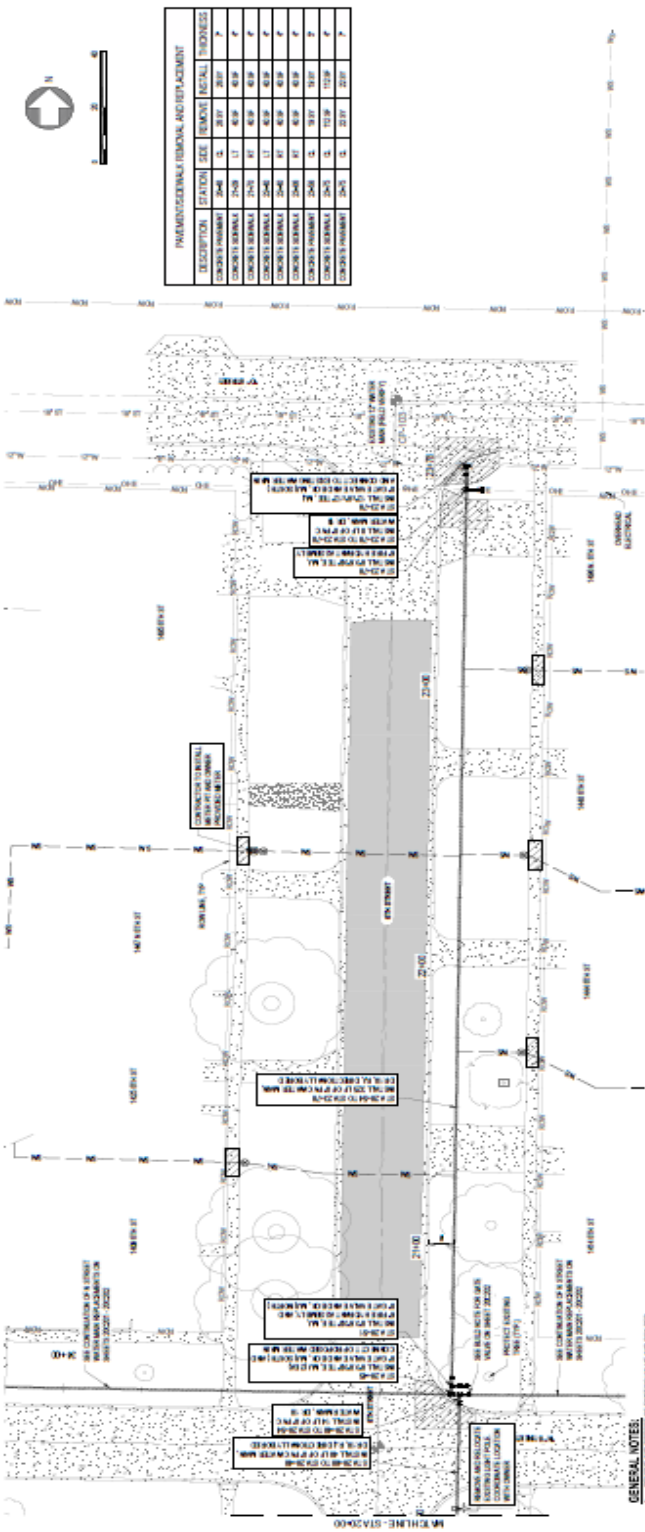
CITY OF DAVIDSON
 400 E STREET, PO BOX 191
 DAVIDSON, NC 28020

JEO PROJECT NO.: 24-00140
 DRAWING NO.: A2701
 SHEET: 100

THIS DRAWING IS THE PROPERTY OF JEO CONSULTING GROUP
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8TH STREET WATER MAIN
 PLAN AND PROFILE

10C-205



GENERAL NOTES:
 1. SEE GENERAL NOTES OF 10C-204 AND 10C-206.
 2. REMOVE EXISTING AND REINSTALL ASSEMBLY PER SPECIFICATION. VERIFY ALL EXISTING PIPE MATERIALS AND SIZES. VERIFY ALL EXISTING MANHOLE SIZES AND TYPES. VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS. VERIFY ALL EXISTING SURFACE ELEVATIONS AND SLOPES. VERIFY ALL EXISTING CURB AND GUTTER ELEVATIONS AND SLOPES. VERIFY ALL EXISTING SIDEWALK ELEVATIONS AND SLOPES. VERIFY ALL EXISTING DRIVEWAY ELEVATIONS AND SLOPES. VERIFY ALL EXISTING DRIVEWAY WIDTHS AND LOCATIONS. VERIFY ALL EXISTING DRIVEWAY MATERIALS AND THICKNESSES. VERIFY ALL EXISTING DRIVEWAY SLOPES. VERIFY ALL EXISTING DRIVEWAY CURBS AND GUTTERS. VERIFY ALL EXISTING DRIVEWAY MANHOLES AND TYPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE SIZES AND TYPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DEPTHS AND LOCATIONS. VERIFY ALL EXISTING DRIVEWAY MANHOLE MATERIALS AND THICKNESSES. VERIFY ALL EXISTING DRIVEWAY MANHOLE SLOPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE CURBS AND GUTTERS. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAYS. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY MATERIALS AND THICKNESSES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY SLOPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY CURBS AND GUTTERS. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY MANHOLES AND TYPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY SIZES AND TYPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY DEPTHS AND LOCATIONS. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY MATERIALS AND THICKNESSES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY SLOPES. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY CURBS AND GUTTERS. VERIFY ALL EXISTING DRIVEWAY MANHOLE DRIVEWAY DRIVEWAYS.



JEO CONSULTING GROUP
 127 NICHOLET ST
 WILKIE, IL 60091
 815.721.8877 | jcg.com

COURTESY OF CERTIFICATE OF
 AUTHORIZATION NUMBER: CA008



DATE: 05/20/25
 DRAWN BY: JCG

ISSUE: 10/1/25
 MARK: 10/1/25
 TO: 10/1/25

**2025 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN**

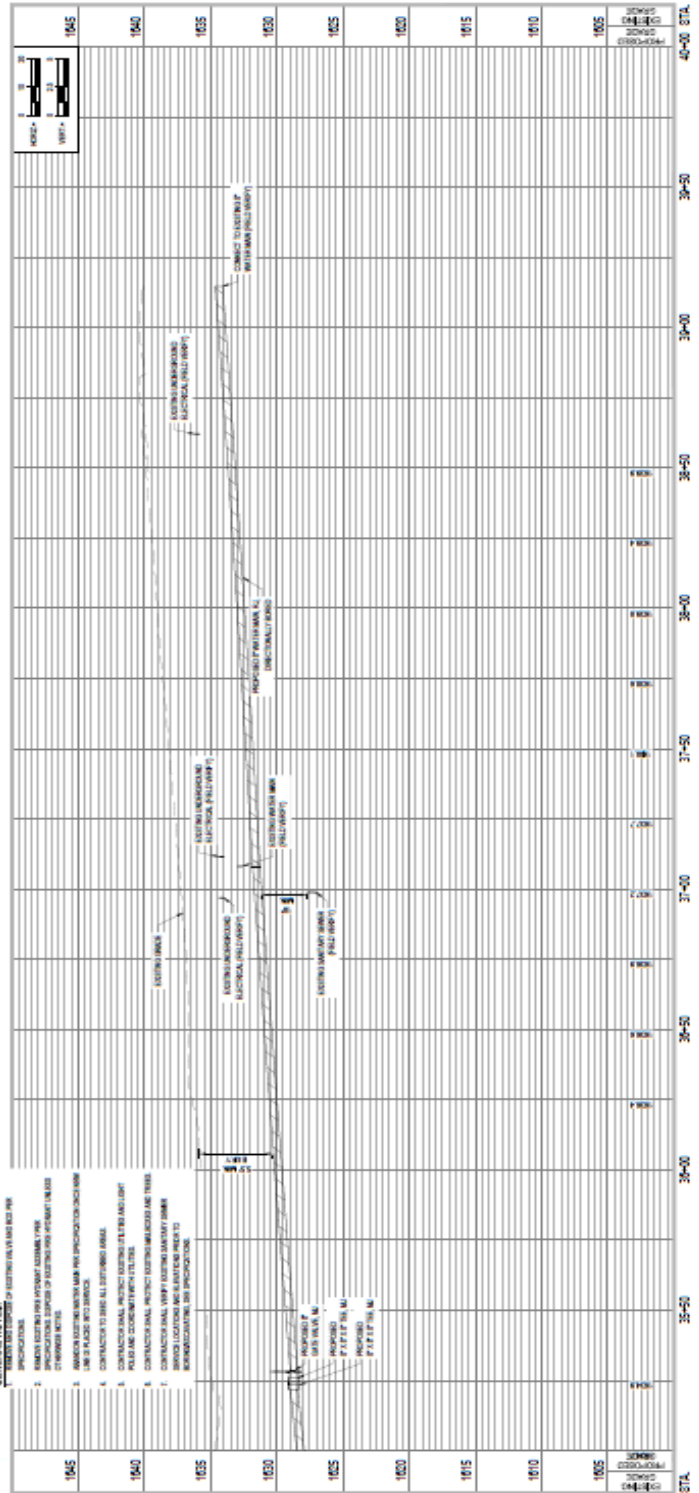
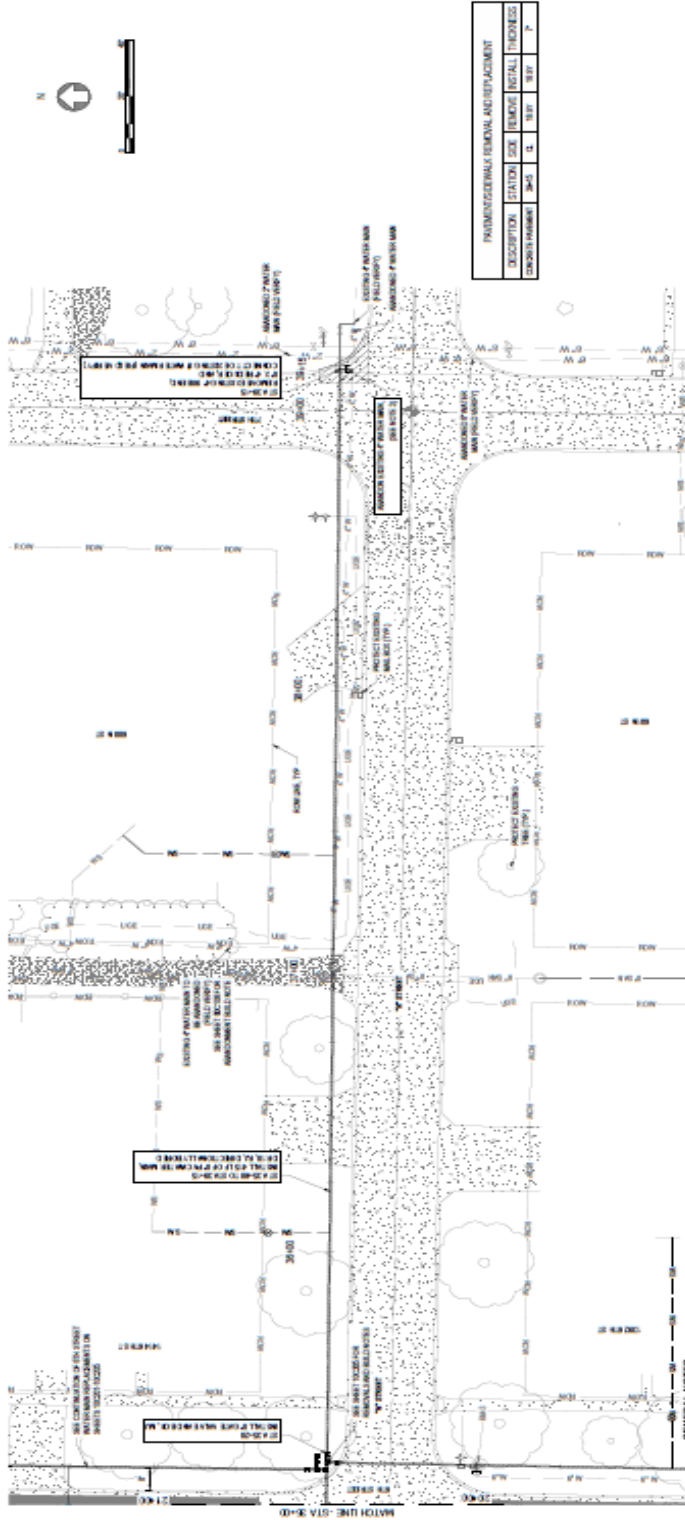
CITY OF GRAND CITY
 401 STREET, P.O. BOX 181
 GRAND CITY, IL 60027

PROJECT NO.: 25-0300
 DRAWN BY: JCG
 DATE: 10/1/25

FOR REVIEW ONLY. NOT FOR CONSTRUCTION.
 (Seal of the City of Grand City)

N STREET WATER MAIN
 PLAN AND PROFILE

200-202



- GENERAL NOTES:**
1. REFER TO THE CITY OF GRAND CITY WATER MAIN MAP FOR EXISTING WATER MAIN LAYOUT.
 2. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 3. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 4. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 5. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 6. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 7. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 8. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 9. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.
 10. CONTRACTOR SHALL VERIFY ALL EXISTING WATER MAIN LAYOUTS AND DEPTHS.



JEO CONSULTING GROUP
 107 NORTHERLY ST
 WACO, TX 76798
 817.773.7633

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA285



ISSUE
 MARK DATE DESCRIPTION
 TO DAYZES 05/15/2024

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

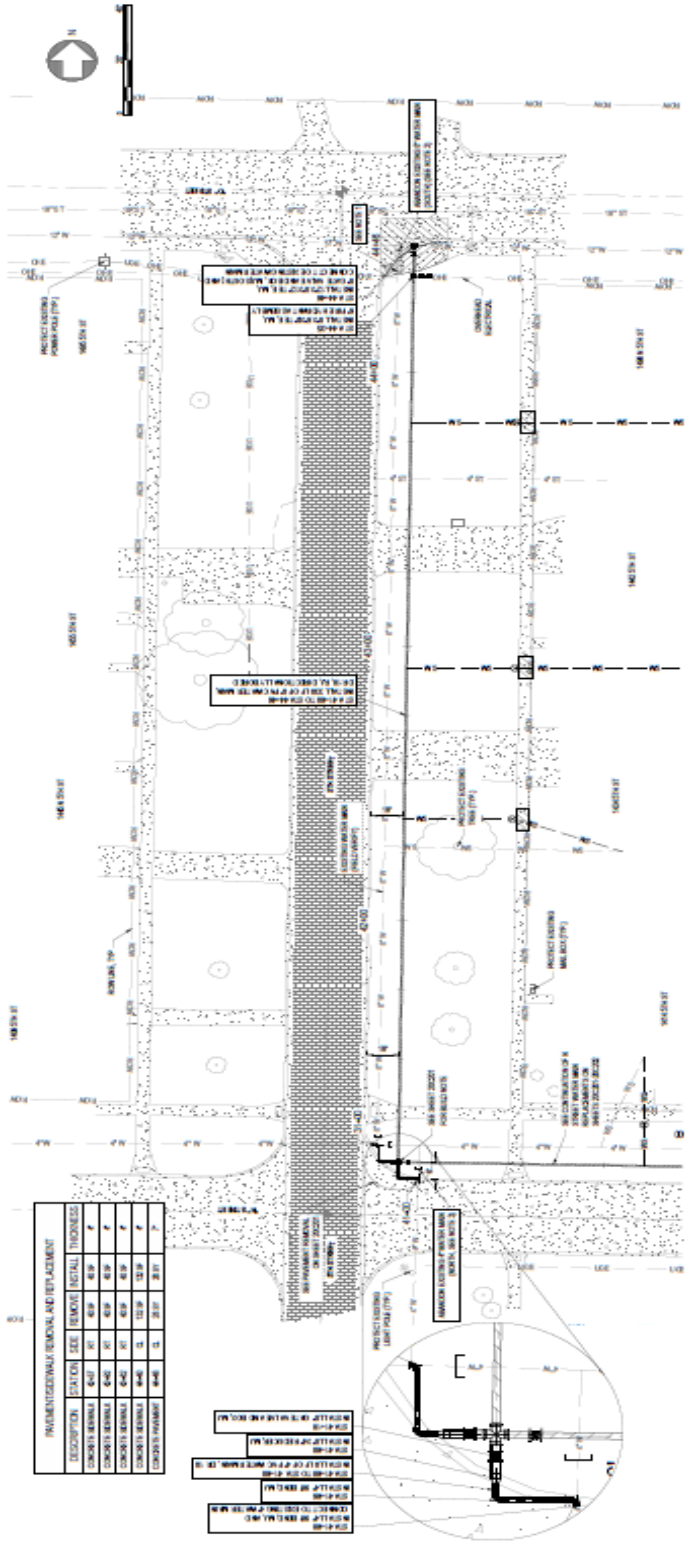
CITY OF DAVID CITY
 401 E STREET, P.O. BOX 101
 DAVID CITY, NE 68502

JOB PROJECT NO.: 23-0010
DRAWN BY: AJUTAH
DATE: 1/23

SCALE: AS SHOWN UNLESS OTHERWISE NOTED
 VERIFY SCALE FOR RECORD OF PROCEEDINGS

5TH STREET WATER MAIN PLAN AND PROFILE

30C201



TREATMENT/REMOVAL AND REPAIR TREATMENT			
DESCRIPTION	STATION	SIZE	REMOVE / INSTALL THICKNESS
CONCRETE BERMUDA	145+00	36"	6.00' / 6.00'
CONCRETE BERMUDA	145+00	36"	6.00' / 6.00'
CONCRETE BERMUDA	145+00	36"	6.00' / 6.00'
CONCRETE BERMUDA	145+00	36"	6.00' / 6.00'
CONCRETE TREATMENT	145+00	15'	12.00' / 12.00'
CONCRETE TREATMENT	145+00	15'	20.00' / 20.00'



GENERAL NOTES:

1. VERIFY LOCATION OF EXISTING UTILITY AND SIZE AND PROVISIONS.
2. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
3. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
4. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
5. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
6. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
7. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
8. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
9. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
10. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
11. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
12. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
13. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
14. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
15. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
16. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
17. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
18. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
19. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.
20. VERIFY LOCATION OF EXISTING UTILITY AND PROVISIONS.

11. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 12. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 13. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 14. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 15. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 16. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 17. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 18. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 19. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. 20. WACO, TEXAS. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.



J&D CONSULTING GROUP

107 FOUNTAIN ST
 WACO, TX 76798
 (817) 787-1400

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER CA205



ISSUE
 MARK DATE DESCRIPTION
 10 04/2025 100% SUBMITTAL

2025 16TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

CITY OF DAVID CITY
 401 E STREET, P.O. BOX 101
 DAVID CITY, NE 68602

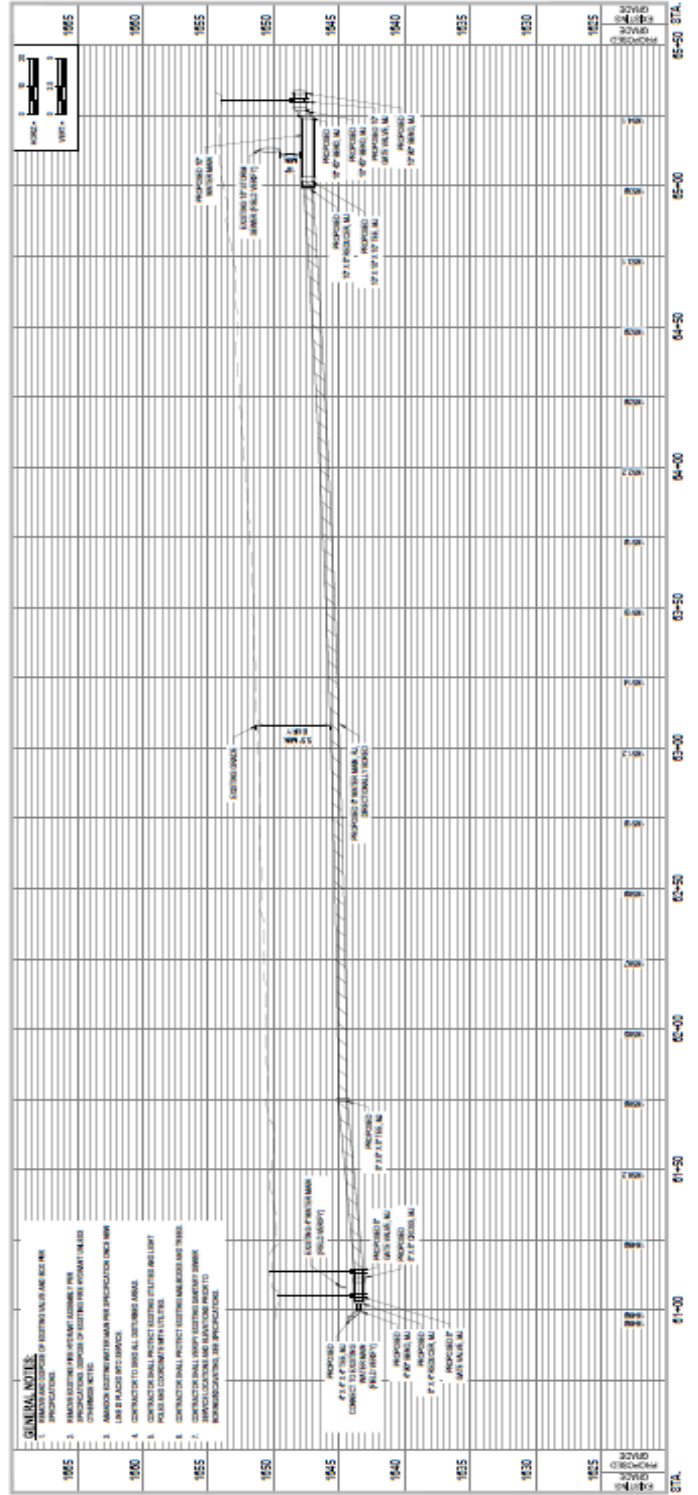
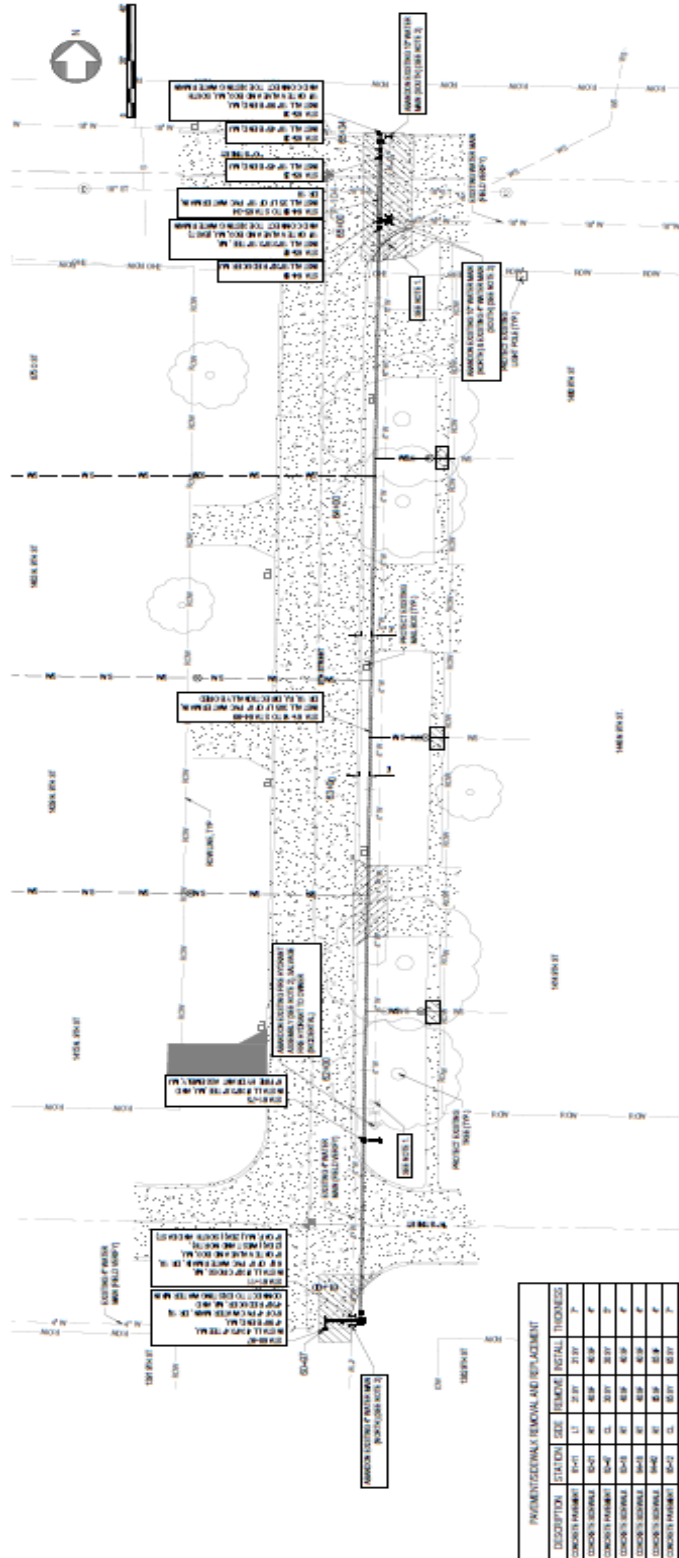
JOB PROJECT NO.: 21-02610
 DRAWING: AUSTIN
 SCALE: 1"=20'

SCALE: 1"=20' (VERTICAL)
 1"=40' (HORIZONTAL)
 VERIFY SCALE FOR RECORD DRAWING CORRECTIONS



16TH STREET WATER MAIN
 PLAN AND PROFILE

50C201



GENERAL NOTES:

1. EXISTING WATER MAIN AND FORCE MAIN SHALL BE REMOVED AND REPLACED WITH NEW 16" DIAMETER POLYETHYLENE GLASS REINFORCED (PEGR) PIPE.
2. EXISTING WATER MAIN AND FORCE MAIN SHALL BE REMOVED AND REPLACED WITH NEW 16" DIAMETER POLYETHYLENE GLASS REINFORCED (PEGR) PIPE.
3. EXISTING WATER MAIN AND FORCE MAIN SHALL BE REMOVED AND REPLACED WITH NEW 16" DIAMETER POLYETHYLENE GLASS REINFORCED (PEGR) PIPE.
4. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
6. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
7. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
9. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.
10. CONTRACTOR SHALL PROVIDE ALL NECESSARY PERMITS AND APPROVALS.



K&O CONSULTING GROUP
 107 FRODOLOVE ST
 WAXHOLE, VA 22090
 802.722.8877 | kco.com

ORDINANCE CERTIFICATE OF AUTHORIZATION NUMBER: CA-2026



EMERY, VA
 22024

ISSUE: WATER SERVICE IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

DATE: 05/13/2026
 DESCRIPTION: 2026 N 8TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

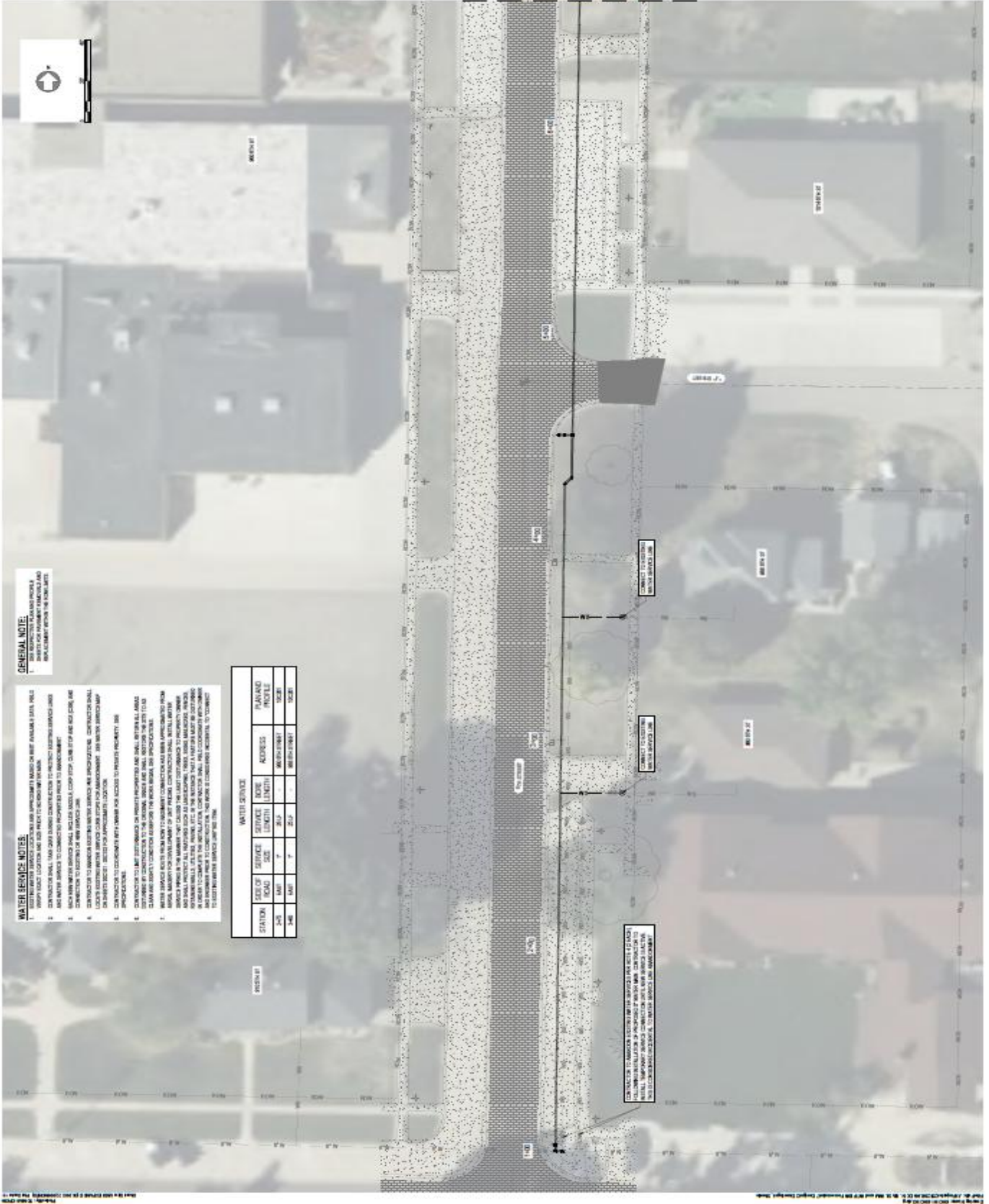
CITY OF EMERY CITY
 604 S. STREET, P.O. BOX 181
 DAVIS CITY, VA 22022

PROJECT NO.: 25-0010
 DRAWING NO.: A01741
 SHEET NO.: 106

SCALE: AS SHOWN
 DATE: 05/13/2026
 DRAWN BY: J. HARRIS

PROPOSED WATER SERVICE PLAN

60C101



GENERAL NOTE:
 1. VERIFY EXISTING UTILITIES AND SERVICES FOR EXISTING UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.

- WATER SERVICE NOTES:**
1. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 2. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 3. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 4. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 5. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 6. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 7. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 8. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 9. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.
 10. CONTRACTOR SHALL VERIFY ALL UTILITIES AND SERVICES BEFORE THE COMMENCEMENT OF CONSTRUCTION.

WATER SERVICE				
STATION	SIZE	DEPTH	LENGTH	PROFILE
0+00	18"	4'	250'	18" x 4' x 4'
0+25	18"	4'	250'	18" x 4' x 4'
0+50	18"	4'	250'	18" x 4' x 4'
0+75	18"	4'	250'	18" x 4' x 4'
1+00	18"	4'	250'	18" x 4' x 4'

Small text at the bottom of the page, likely containing project details and contact information.



J&B CONSULTING GROUP
 1027 W. CHESTNUT ST.
 WACO, TX 76798
 TEL: 767.867.1400

PROFESSIONAL CERTIFICATE OF
 AUTHORIZATION NUMBER: CA2606



ISSUE DATE: 05/13/2026
 DRAWN BY: E. JORDAN

ISSUE DATE: 05/13/2026
 DRAWN BY: E. JORDAN

2026 N 8TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

CITY OF WACO
 601 WEST STREET, 76798-1011
 WACO, TEXAS 76798

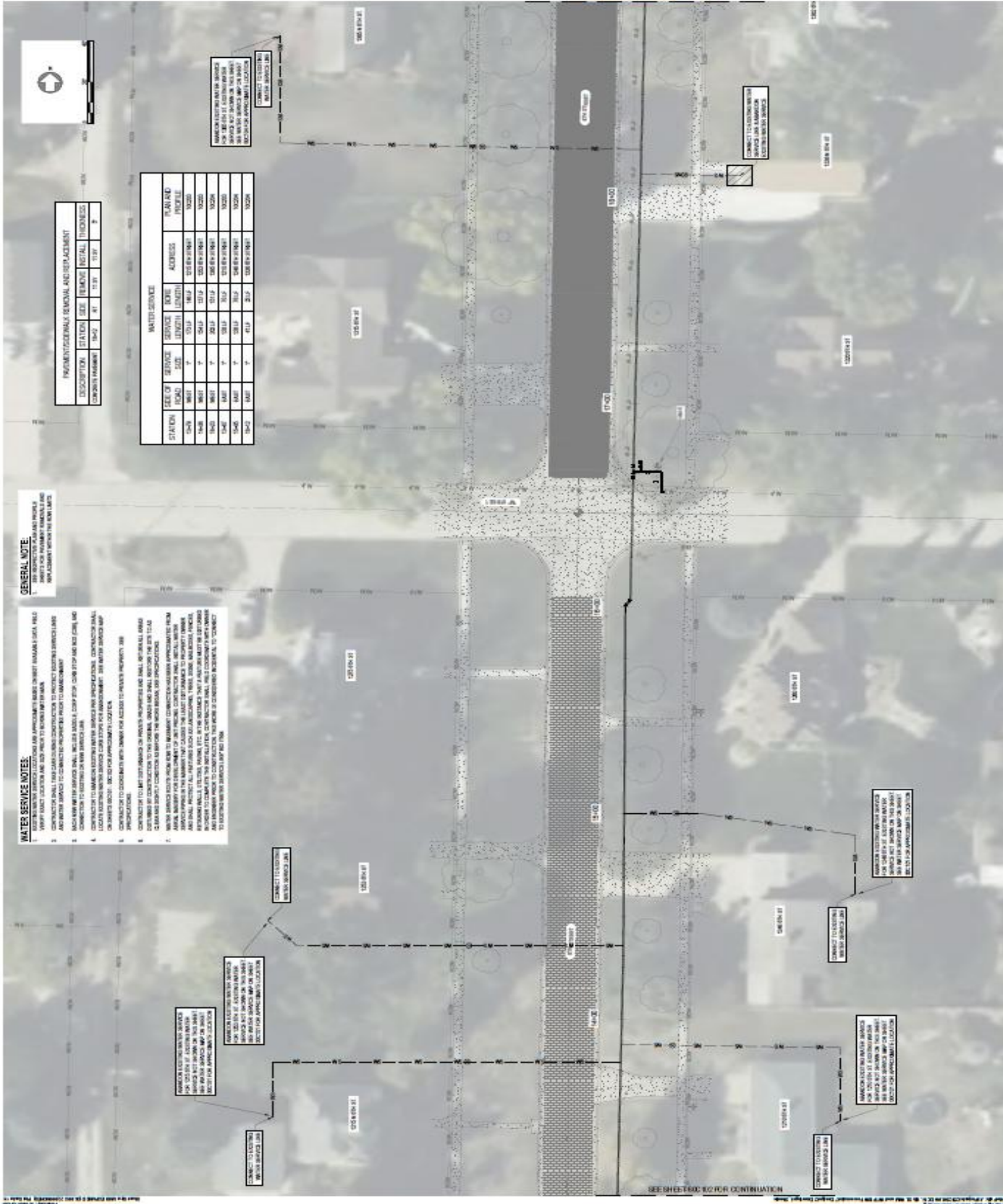
DESIGNED BY: J&B CONSULTING GROUP
 DRAWN BY: E. JORDAN
 CHECKED BY: J. PETERSON

WACO WATER UTILITY
 1000 W. 10TH STREET, 76798-1011
 WACO, TEXAS 76798



PROPOSED WATER SERVICE PLAN

60C-103





JMO CONSULTING GROUP
 1827 HOUSTON ST
 WAXAHACH, TX 75096
 800.723.8657 | jmo.com

ORGANIZATION CERTIFICATE OF
 ACHIEVEMENT NUMBER: 04-056



ISSUE: 04/20/26
 DRAWN BY: E-1024

MARK DATE DESCRIPTION
 TO 04/20/26 10% SUBMITTAL

2025 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

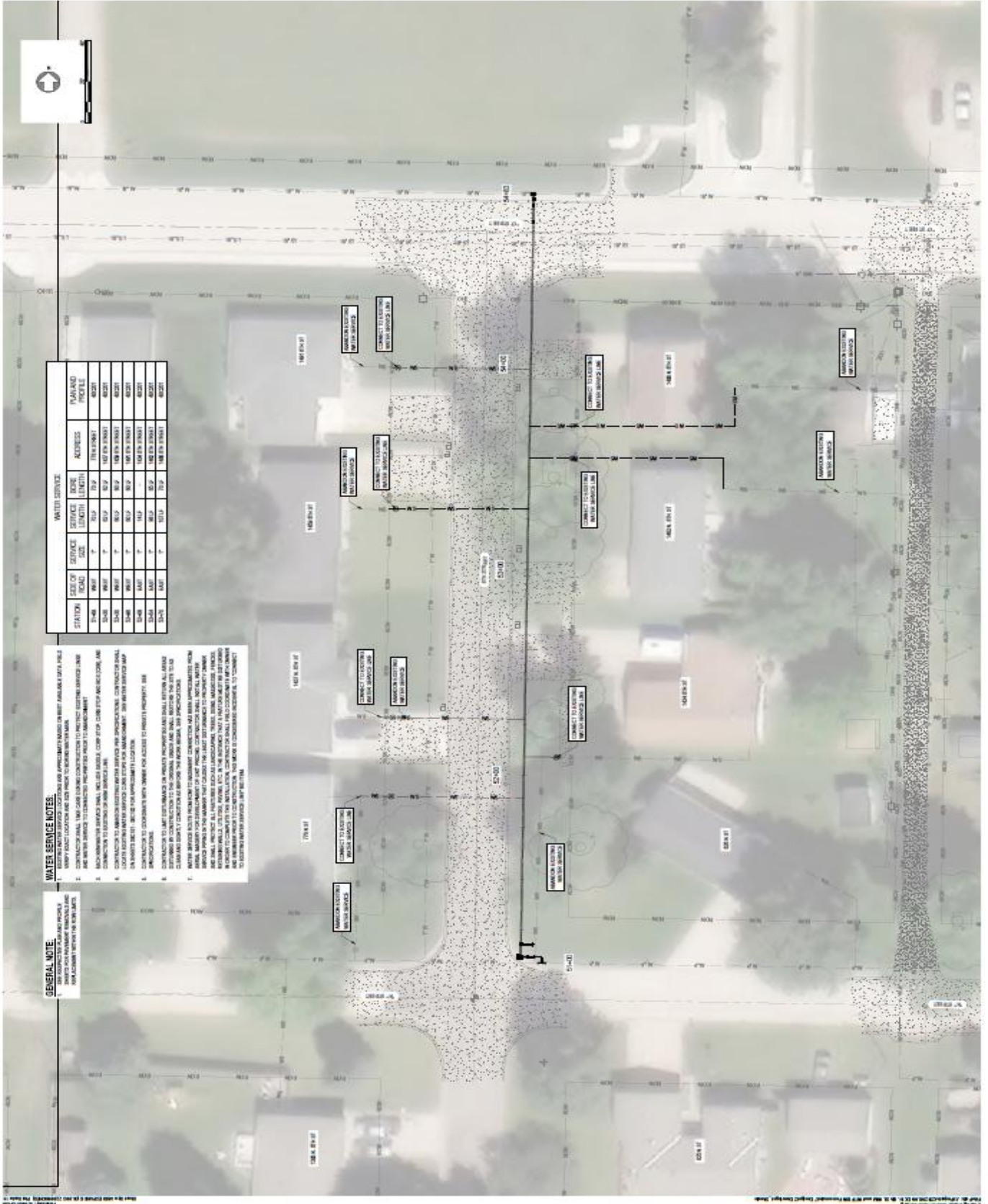
CITY OF WAXAHATCHEE
 401 E. STREET, P.O. BOX 51
 WAXAHATCHEE, TX 75090

PROJECT NO.: 24-0010
 DRAWING NO.: 60C107
 SHEET NO.: 1 OF 1

WATER MAIN SERVICE PLAN
 PREPARED BY: JMO CONSULTING GROUP

PROPOSED WATER SERVICE PLAN

60C107



GENERAL NOTE:
 1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.
 2. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.
 3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 4. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 5. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 6. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 7. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 8. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 9. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 10. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.

WATER SERVICE NOTES:
 1. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.
 2. CONTRACTOR SHALL TAKE CARE TO PROTECT ALL EXISTING UTILITIES AND STRUCTURES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.
 3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 4. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
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 7. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 8. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 9. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.
 10. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES.



JFO CONSULTING GROUP
 1027 INDUSTRIAL CT
 WARRICK, IN 46086
 317.721.8607 | jfo.com

ORDINATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CAG06



04/23/2026
 15TH AVENUE SW
 DAVID CITY, IN 46024

ISSUE: MARK DATE DESCRIPTION
 1505/2026 100% SUBMITTAL

2266 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

CITY OF DAVID CITY
 401 E STREET, P.O. BOX 111
 DAVID CITY, IN 46022

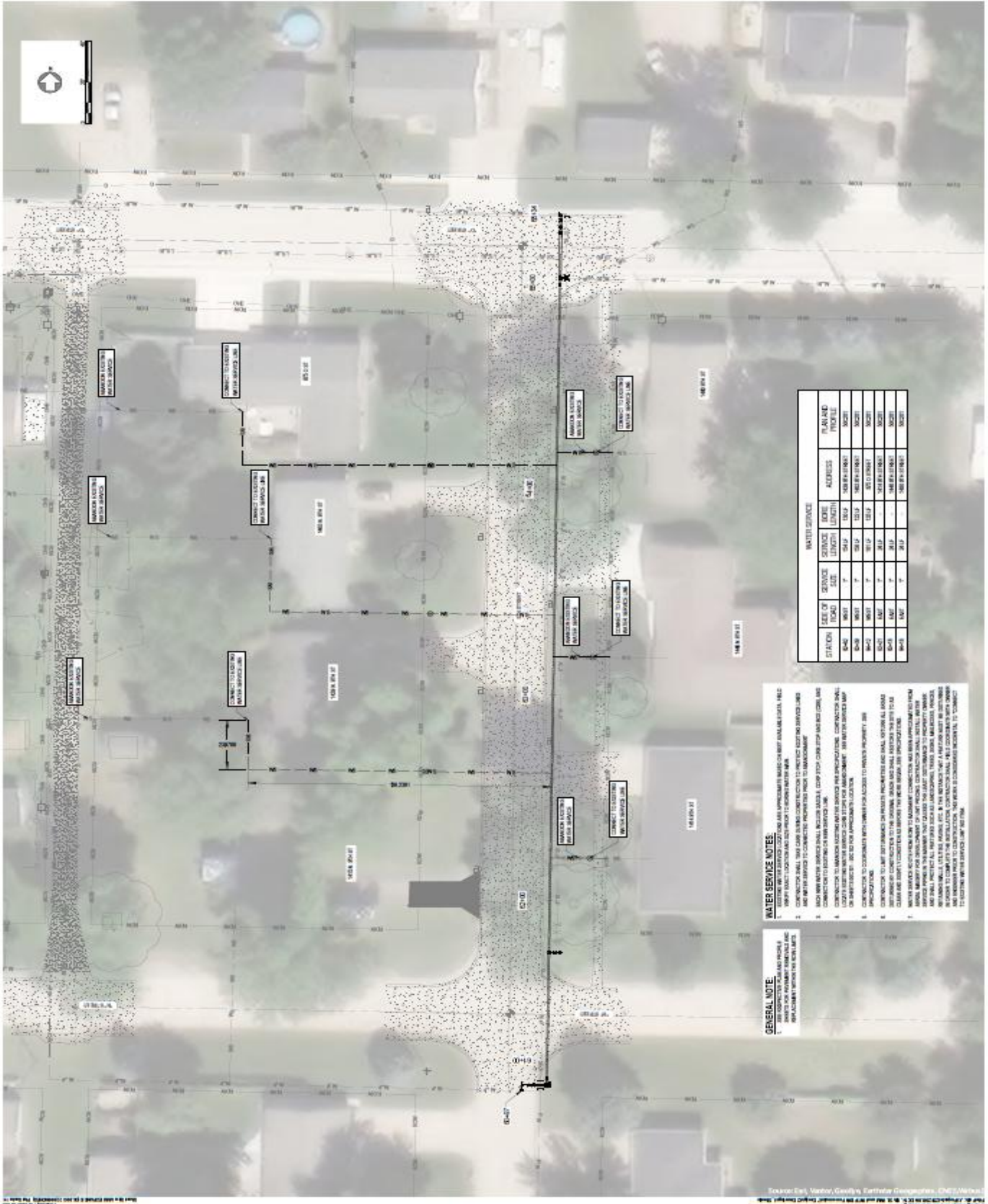
JOB PROJECT NO.: 2510810
 AGENCY: ADPWA
 COMMENTS: ICP

SCALE: AS SHOWN (SEE 2204 SHEET)
 NORTH: AS SHOWN (SEE 2204 SHEET)



PROPOSED WATER SERVICE PLAN

60C108





JEO CONSULTING GROUP
 857 BUCKLEUP ST
 WALKER, MO 64092
 816.723.8667 | jeo.com

OPERATION/CERTIFICATE OF AUTHORIZATION NUMBER: CA-3265



ISSUE: ETRAVELITE E-CODIN

MARK DATE DESCRIPTION
 T0 ETRAVELITE 10/6/2024

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

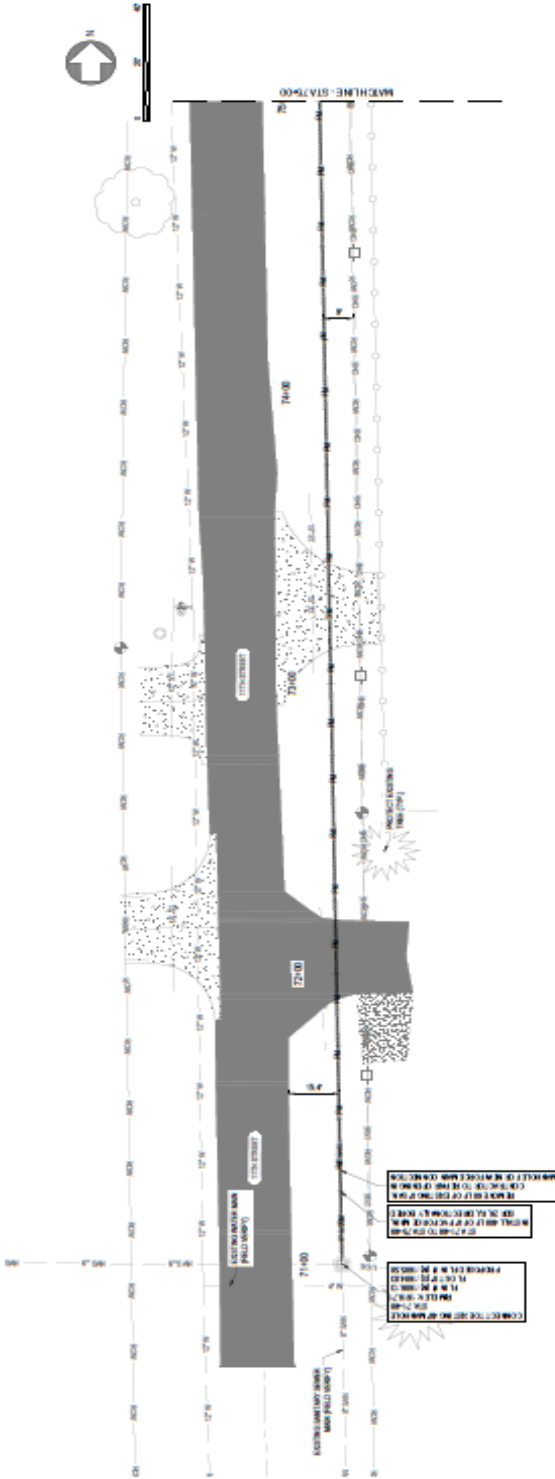
CITY OF GRAND CITY
 401 WEST P.O. BOX 51
 GRAND CITY, MO 63025

PROJECT NO.: 24-0010
 DRAWING SET: A-1001A
 DRAWING: E-201
 ADDITIONAL INFO:

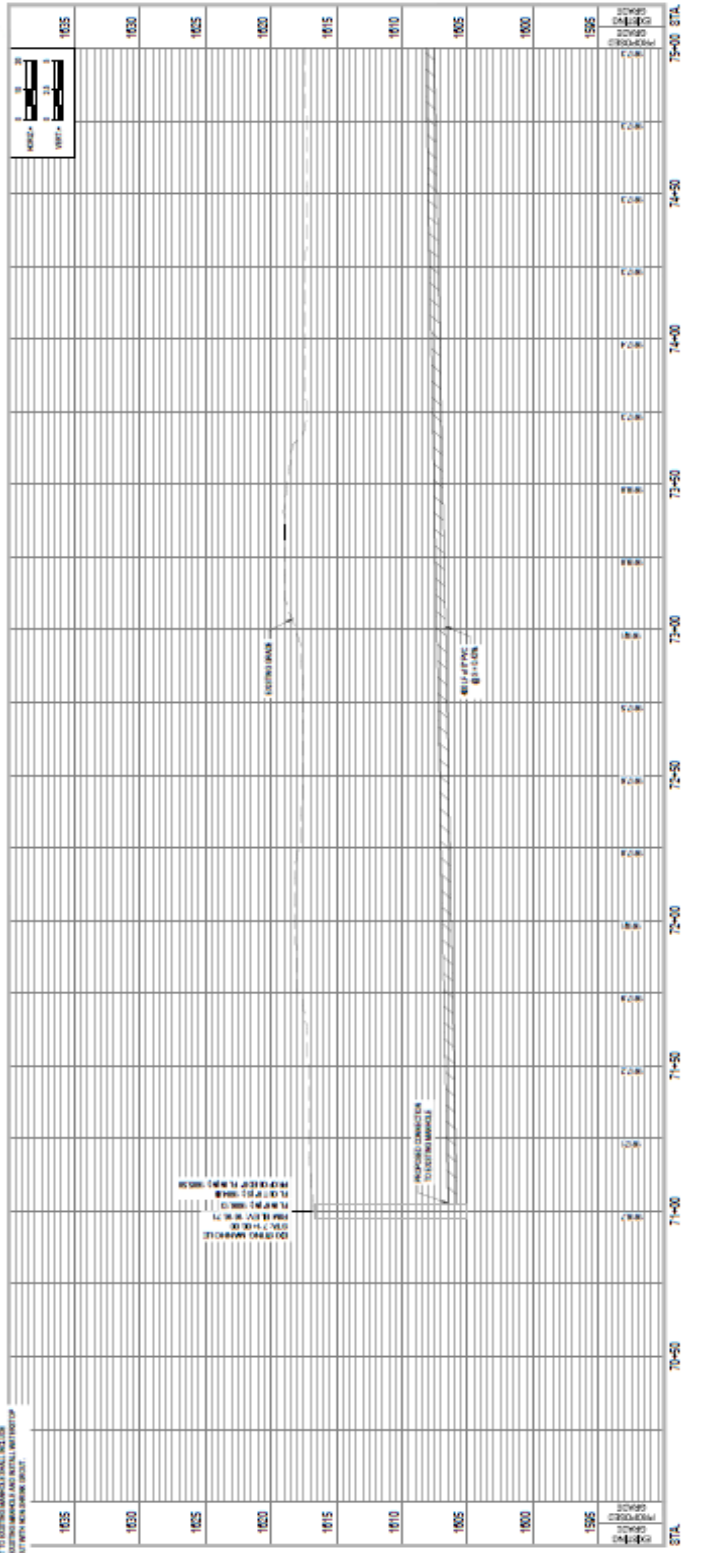
SCALE: 1"=40' (VERTICAL) 1"=40' (HORIZONTAL)
 UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES.
 (X) **APPROVED FOR PERMIT**

FORCE MAIN
 PLAN AND PROFILE

70C201



- GENERAL NOTES:**
1. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS.
 2. CONTRACTOR SHALL PROTECT EXISTING UTILITIES AND SURVEY POINTS AND COORDINATE WITH UTILITIES.
 3. CONTRACTOR SHALL PROTECT EXISTING LANDSCAPE.
 4. CONTRACTOR TO INSTALL 18" DIA. 12' DEEP SIGNPOSTS AT ALL LOCAL HIGH POINTS.
 5. CONNECT TO EXISTING 18" DIA. WATER MAIN AT 71+00 STATION. EXISTING 18" DIA. WATER MAIN IS 12' DEEP AND 12' DIA. (SEE PLAN AND PROFILE FOR DETAILS).





JEO CONSULTING GROUP
 2500 WILSON BLVD
 SUITE 100
 DENVER, CO 80202
 (303) 733-1000


DEPARTMENT CERTIFICATE OF AUTHORIZATION NUMBER: CAG-2024



ISSUE: 01/2025
 MARK: E-020A
 DATE: 01/20/25
 DESCRIPTION: 2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

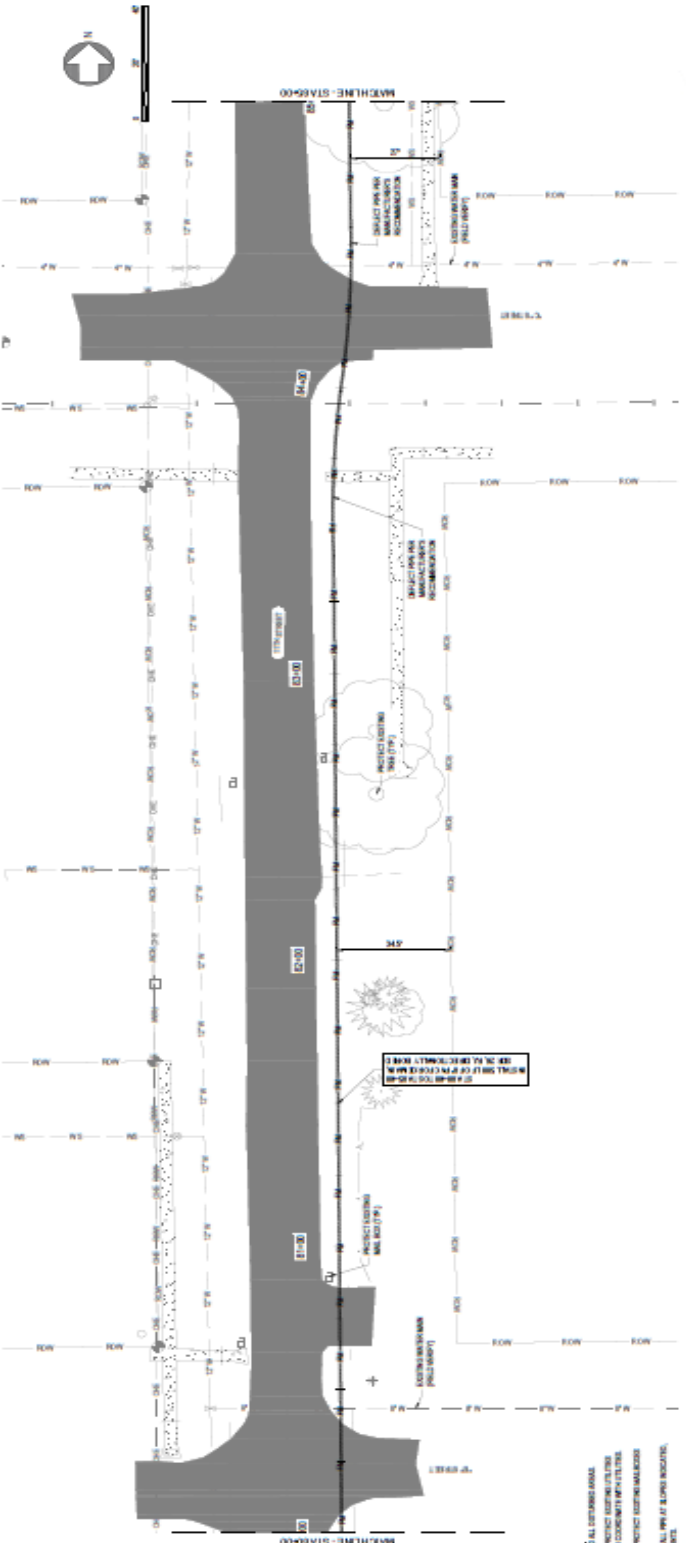
CITY OF DAVID CITY
 401 E STREET, P.O. BOX 191
 DAVID CITY, NE 68502

JOB PROJECT NO.: 25-020-00
 DRAWN BY: AUSTIN
 CHECKED: TSP
 ADDITIONAL INFO:

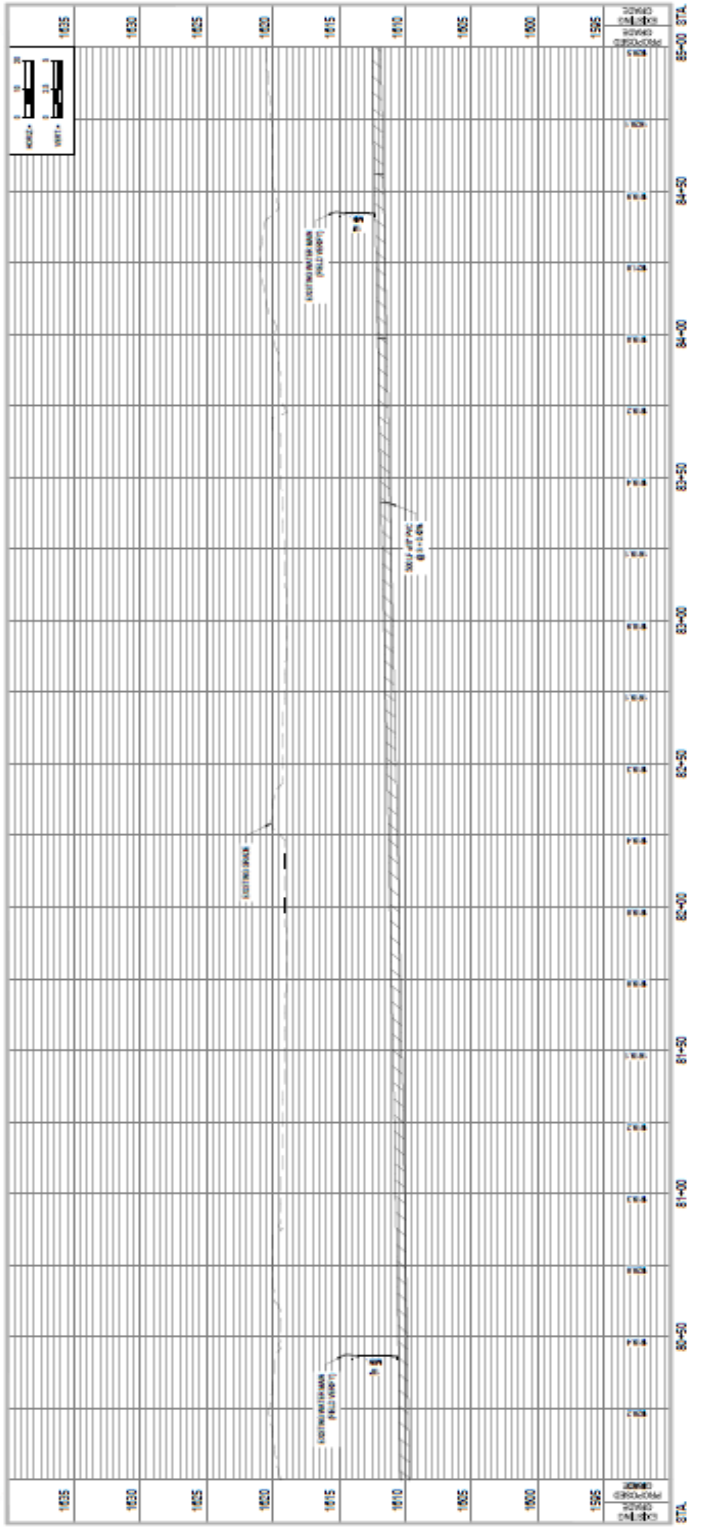
WEATHER RESISTANT BARRIER (WRB) IS REQUIRED FOR ALL JOINTS AND PENETRATIONS.
 WRB (Weather Resistant Barrier)

**FORCE MAIN
 PLAN AND PROFILE**

70C203



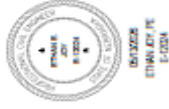
- GENERAL NOTES:**
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
 3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
 4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.





J&B CONSULTING GROUP
 1027 N. G STREET, ST.
 WAXA, NE 68086
 (402) 721-8867 | jbg.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-265



ISSUE MARK DATE DESCRIPTION
 10/ 20/2024 100% SUBMITTAL

2026 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN

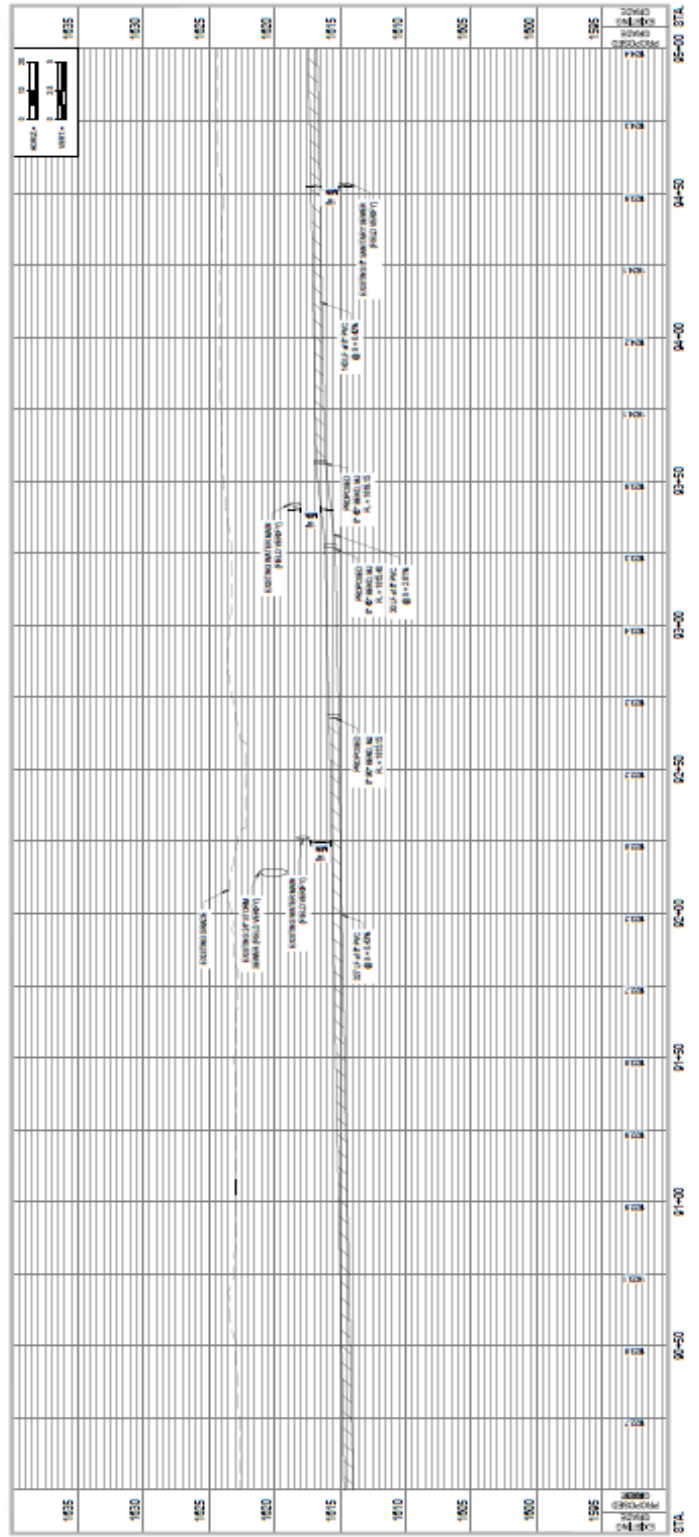
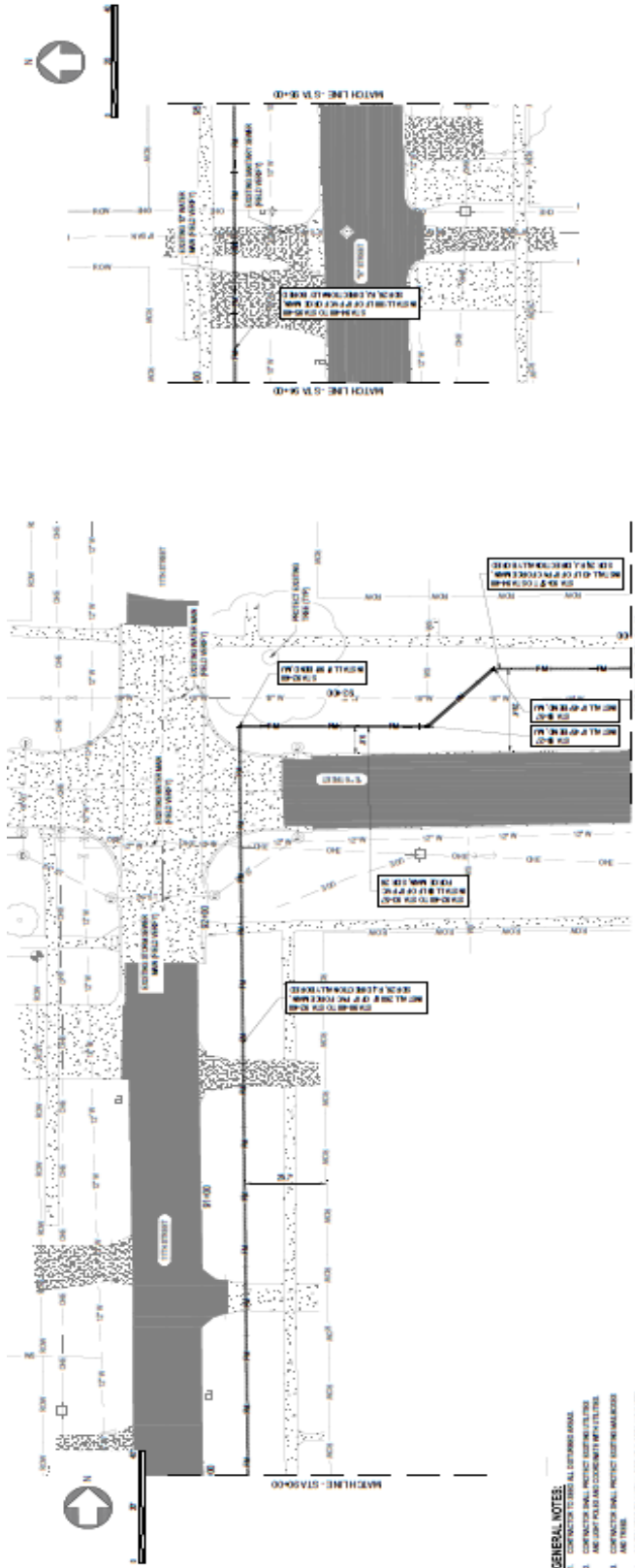
CITY OF DAVID CITY
 401E STREET, P.O. BOX 181
 DAVID CITY, NE 68622

J&B PROJECT NO.: 25-100-00
 DRAWN BY: AUSTIN
 CHECKED BY: RSP

SOILS REPORT FOR CITY OF DAVID
 WASTEWATER TREATMENT PLANT CONCRETE


FORCE MAIN
 PLAN AND PROFILE

70C205



- GENERAL NOTES:**
1. CONTRACTOR SHALL OBTAIN PERMITS.
 2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES.
 3. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND TRENCHES.
 4. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND TRENCHES.



SEO CONSULTING GROUP

587 FICHTELSTADT ST
 WYKOCHE, MO 65066
 800.222.8867 | seog.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-289



BRAND JEFFREY
 ENGINEER

ISSUE

MARK DATE DESCRIPTION
 TO 01/23/2026 10% SUBMITTAL

**225 N 6TH STREET WATER MAIN
 IMPROVEMENTS AND WATER
 TREATMENT PLANT BACKWASH
 FORCE MAIN**

CITY OF GRAND CITY
 401 E STREET, P.O. BOX 81
 GRAND CITY, MO 65020

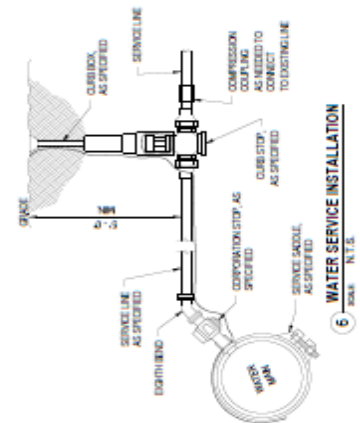
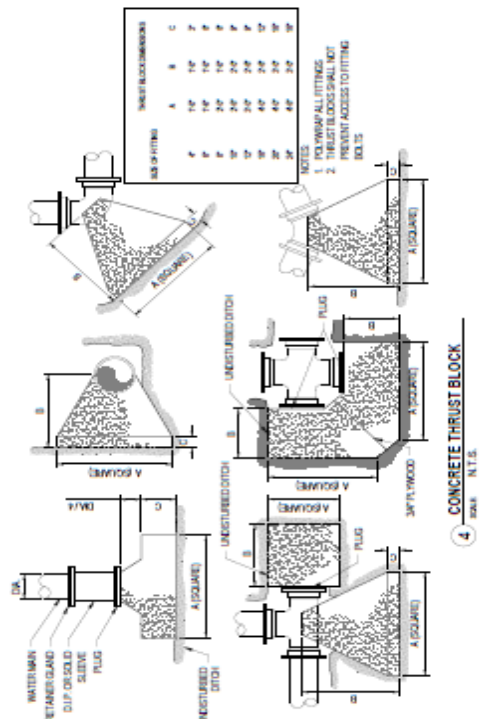
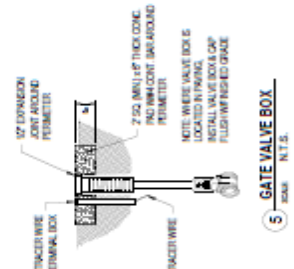
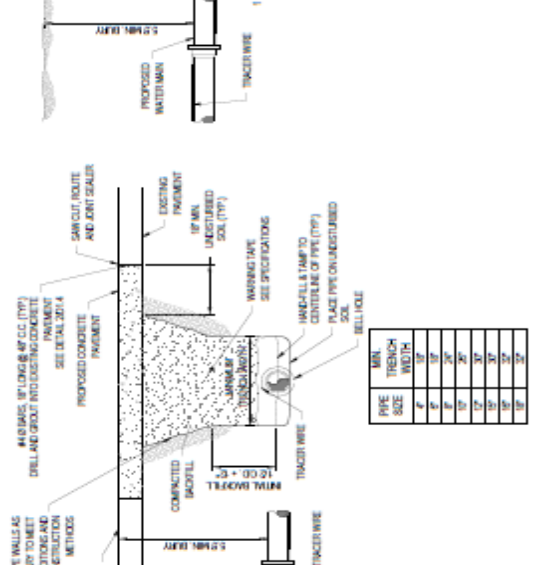
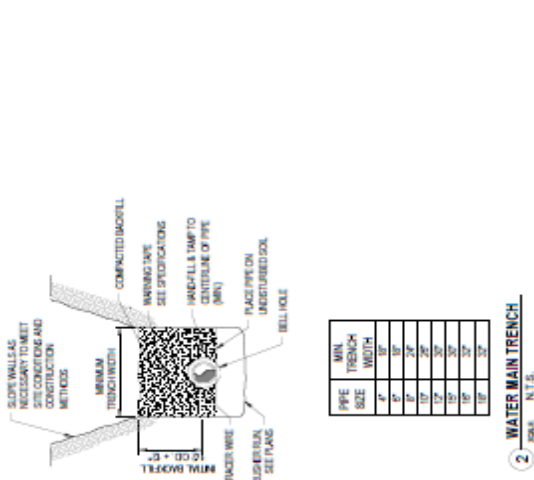
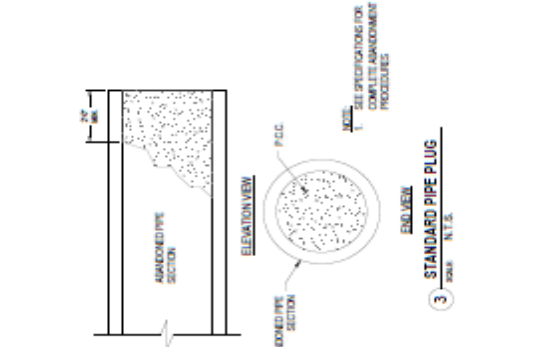
PROJECT NO.: 25-02810
 DRAWN BY: ADY/TAH
 CHECKED BY: JSP

SEAL NUMBER: 0024228
 MISSOURI REGISTERED PROFESSIONAL ENGINEER



CIVIL DETAILS

000501





JEO CONSULTING GROUP
 107 W. BENTLEY ST.
 WACO, TX 76798
 817.221.8607 | jec.com

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA-369



DATE: 05/13/2026
 DRAWN BY: ETR/ALY/PE
 CHECKED BY: ETR

ISSUE: MARK DATE DESCRIPTION
 10 05/20/2025 100% SUBMITTAL

2025 N 6TH STREET WATER MAIN IMPROVEMENTS AND WATER TREATMENT PLANT BACKWASH FORCE MAIN

CITY OF WACO CITY
 401 STREET LIGHT BOX OFF
 401 STREET, WACO, TX 76798

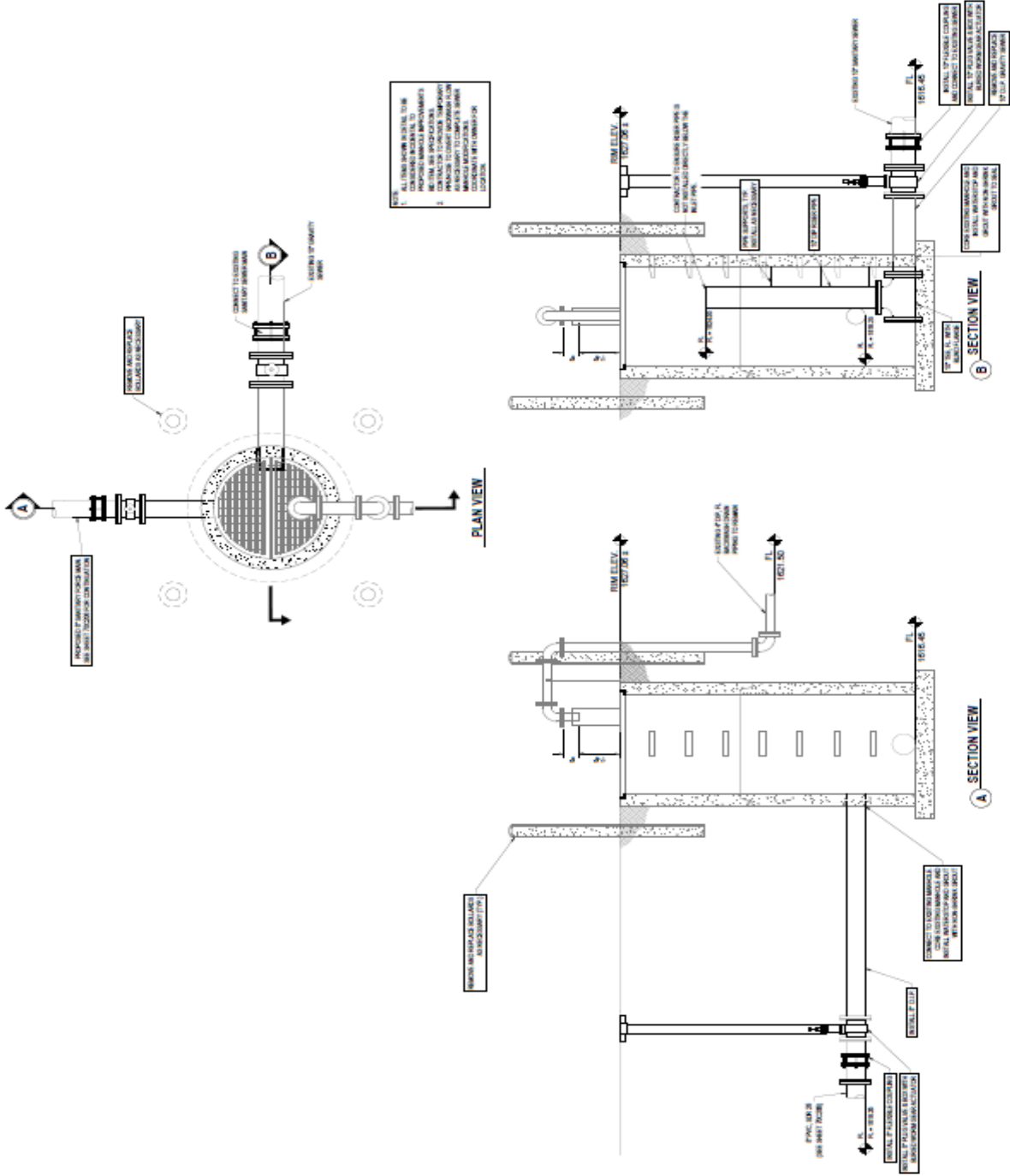
JEO PROJECT NO.: 24-100-100
 DRAWING NO.: A2117A-11
 DATE: 05/13/2026

THIS DRAWING IS THE PROPERTY OF JEO CONSULTING GROUP. IT IS TO BE USED ONLY FOR THE PROJECT AND LOCATION SPECIFICALLY IDENTIFIED HEREON.




CIVIL DETAILS

000504



NOTE: 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF WACO STANDARD SPECIFICATIONS FOR CONSTRUCTION. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WACO AND THE TEXAS DEPARTMENT OF TRANSPORTATION. 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF WACO AND THE TEXAS DEPARTMENT OF TRANSPORTATION.

ENGINEER'S FINAL OPINION OF PROBABLE COST						
Project Name:		6th Street WM and WTP FM				
Project Location:		David City, NE				
JEO Project No.:		251298.00				
				Date Prepared: May 12, 2026		
ESTIMATE OF QUANTITIES						
Item #	Description	Unit	Quantity	Unit Price	Total	
GROUP A - WATER MAIN						
1.	Mobilization	LS	1	\$75,000.00	\$75,000	
2.	Bonding and Insurance	LS	1	\$30,000.00	\$30,000	
3.	4" PVC Water Main, DR 18	LF	28	\$50.00	\$1,400	
4.	8" PVC Water Main, DR 18, RJ, Directionally Bored	LF	4,167	\$100.00	\$416,700	
5.	8" PVC Water Main, DR 18	LF	84	\$80.00	\$6,720	
6.	10" PVC Water Main, DR 18	LF	35	\$90.00	\$3,150	
7.	8" Gate Valve and Box, MJ	EA	19	\$3,000.00	\$57,000	
8.	10" Gate Valve and Box, MJ	EA	2	\$4,500.00	\$9,000	
9.	8" 45° Bend, MJ	EA	6	\$750.00	\$4,500	
10.	10" 45° Bend, MJ	EA	2	\$950.00	\$1,900	
11.	4" 90° Bend, MJ	EA	7	\$550.00	\$3,850	
12.	10" 90° Bend, MJ	EA	1	\$1,000.00	\$1,000	
13.	4" x 4" x 4" Tee, MJ	EA	3	\$700.00	\$2,100	
14.	8" x 6" x 8" Tee, MJ	EA	9	\$1,100.00	\$9,900	
15.	8" x 8" x 8" Tee, MJ	EA	3	\$1,200.00	\$3,600	
16.	10" x 8" x 10" Tee, MJ	EA	1	\$1,400.00	\$1,400	
17.	10" x 10" x 10" Tee, MJ	EA	1	\$1,500.00	\$1,500	
18.	12" x 8" x 12" Tee, MJ	EA	2	\$1,500.00	\$3,000	
19.	8" x 4" Reducer, MJ	EA	5	\$500.00	\$2,500	
20.	10" x 8" Reducer, MJ	EA	1	\$550.00	\$550	
21.	8" Cross, MJ	EA	3	\$1,000.00	\$3,000	
22.	8" Cap, MJ	EA	4	\$400.00	\$1,600	
23.	Connect to Existing Water Main	EA	12	\$1,500.00	\$18,000	
24.	Water Main Removals and Abandonments	LS	1	\$10,000.00	\$10,000	
25.	1" Curb Stop and Box	EA	50	\$850.00	\$42,500	
26.	8" x 1" Saddle	EA	49	\$300.00	\$14,700	
27.	12" x 1" Saddle	EA	1	\$400.00	\$400	
28.	1" Corporation Stop	EA	50	\$350.00	\$17,500	
29.	1" PE Water Service (SDR 9)	LF	5,534	\$20.00	\$110,680	
30.	Bore Water Service Line	LF	4,178	\$15.00	\$62,670	
31.	Abandon Existing Water Service	EA	50	\$300.00	\$15,000	
32.	Connect to Existing Water Service	EA	50	\$500.00	\$25,000	
33.	Remove Pavement	SY	597	\$20.00	\$11,940	
34.	5" Concrete Driveway	SY	313	\$80.00	\$25,040	
35.	7" Concrete Pavement	SY	284	\$100.00	\$28,400	
36.	Remove Concrete Sidewalk	SF	2,337	\$4.00	\$9,348	
37.	4" Concrete Sidewalk	SF	2,337	\$12.00	\$28,044	
38.	Remove & Replace Brick Pavers	SY	26	\$200.00	\$5,200	
39.	Remove & Relocate Light Pole	EA	2	\$2,000.00	\$4,000	
40.	Temporary Traffic Control	LS	1	\$5,000.00	\$5,000	
41.	Seeding, Fertilizer and Mulch	LS	1	\$10,000.00	\$10,000	
41.	Private Owner Landscaping/Fencing Restoration	LS	1	\$15,000.00	\$15,000	
				Construction Subtotal	Group A	\$1,097,800
				Contingency	10%	\$109,780
				Total Opinion of Construction Cost - Group A		\$1,207,580
GROUP B - FIRE HYDRANTS						
1.	6" Fire Hydrant Assembly	EA	9	\$8,500.00	\$76,500	
				Construction Subtotal	Group B	\$76,500
				Contingency	10%	\$7,650
				Total Opinion of Construction Cost - Group B		\$84,150
				Construction Subtotal - Groups A & B	Base Bid	\$1,291,730.00

GROUP C - FORCE MAIN						
1.	Mobilization	LS	1	\$25,000.00	\$25,000	
2.	Bonding and Insurance	LS	1	\$10,000.00	\$10,000	
2.	8" PVC Force Main, SDR 26, RJ, Directionally Bored	LF	2,601	\$100.00	\$260,100	
3.	8" PVC Force Main, SDR 26	LF	153	\$60.00	\$9,180	
4.	8" 90° Bend, MJ	EA	3	\$700.00	\$2,100	
5.	8" 45° Bend, MJ	EA	4	\$700.00	\$2,800	
6.	Remove Pavement	SY	153	\$20.00	\$3,060	
7.	6" Concrete Pavement	SY	153	\$80.00	\$12,240	
8.	Remove Gravel Aggregate	SY	165	\$50.00	\$8,250	
9.	Gravel Aggregate	SY	165	\$60.00	\$9,900	
10.	Geosynthetic Clay Liner	LF	60	\$50.00	\$3,000	
11.	Connect to Existing Manhole	EA	1	\$3,000.00	\$3,000	
12.	Remove Existing Sanitary Sewer	LF	60	\$20.00	\$1,200	
13.	Backwash Manhole Improvements	LS	1	\$10,000.00	\$10,000	
14.	Seeding, Fertilizer and Mulch	LS	1	\$1,000.00	\$1,000	
				Construction Subtotal	Group C	\$360,830
				Contingency	10%	\$36,090
				Total Opinion of Construction Cost - Group C		\$396,920
				Construction Subtotal - All Groups	Base Bid	\$1,535,130.00
				Contingency		\$153,520.00
				Total Opinion of Construction Cost - All Groups		\$1,688,650.00

JEO Consulting Group Inc.'s (JEO) Opinions of Probable Cost provided for herein are to be made on the basis of JEO's experience and qualifications and represent JEO's best judgment. However, since JEO has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, JEO cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from Opinions of Probable Cost prepared by JEO.

The council discussed approval of plans and specifications for the 2026 Electrical Distribution Improvement Project and authorization to seek bids for the work. The proposed project was divided into three primary groups. Council members discussed whether the city should proceed immediately with all phases of the project or delay portions until a later date.

- Concerns about overall city spending and the need to prioritize essential projects
- Recognition that several utility poles in town are in poor condition and may pose reliability and safety concerns
- Concerns that delaying replacement could eventually result in storm-related failures and more expensive emergency repairs.

Ethan Joy, JEO Consulting Group explained:

- Bidding all project groups together could potentially produce better pricing due to economies of scale and reduced mobilization costs.
- The city would still retain the option to bid on all three groups, and then selectively award only certain portions of the work after reviewing bid prices.

After discussion, Council members expressed interest in obtaining bids for all three project groups while retaining flexibility on final awards.

Council Member Jim Angell made a motion to approve plans and specifications for the '2026 Electrical Distribution Improvements' project and authorize to bid. Council Member Rick Holland seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea: Yea: 5, Nay: 0, Absent: 1.

City Council Proceedings

May 13, 2026

Page # 126

2026 Electrical Distribution Improvements



Matt Kalin <mkalin@jeo.com>

To Lori Matchett; Pat Hoeft

Cc Ethan Joy



Wed 5/13/2026 4:23 PM

You replied to this message on 5/14/2026 7:58 AM.



Good afternoon Lori / Pat,

Ethan Joy is going to be attending the meeting and has graciously offered to present the '2026 Electrical Distribution Improvements' project to the elected officials.

I have attached the following PDF documents for the elected officials review and addition to the council packets:

1. Signed and sealed plan set
2. Invitation to Bid – The following dates are contingent upon council approval.
 - a. Advertise in the David City Banner on May 28TH, June 4TH, and June 11TH
 - b. Bid letting on June 18, 2026 at 3:00 PM
 - c. Opinion of Probable Construction Cost (Labor Only):
 - Group A (Pole replacements) - \$82k
 - Group B (Block between 4th & 5th Streets and C & D Streets) - \$97k
 - Group C (New underground on west side of Henningson / Michael Foods) - \$147k

The following are the milestone substantial completion dates for each group too based off the importance of getting the work completed and equipment availability:

1. Group A – September 18, 2026
2. Group B – October 30, 2026
3. Group C – August 13, 2027

If Ethan or the elected officials have any questions, please do not hesitate to contact me on my mobile phone.

Respectfully,

Matt Kalin | *Electrical Senior Project Manager*

m: 402.360.0217 | **o:** 402.934.3680 | **e:** mkalin@jeo.com

JEO Consulting Group | 11213 Davenport St Suite 20C | Omaha, NE 68154

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY, NEBRASKA
 400 E STREET
 DAVID CITY, NE 68632

JEO PROJECT NO.: 260990.00

LOCATION MAP



SCALE: N.T.S.

SHEET IDENTIFICATION



DISCIPLINE DESIGNATOR	SHEET TYPE DESIGNATOR	SHEET SEQUENCE
G	GENERAL	1
C	CIVIL	2
A	ARCHITECTURAL	3
S	STRUCTURAL	4
M	MECHANICAL	5
P	PLUMBING	6
E	ELECTRICAL	7

SHEET TYPE DESIGNATOR	SHEET SEQUENCE
0	GENERAL
1	PLANS AND CONNECTIONS (ALL PROJECTS)
2	ELECTRICAL AND TELEPHONE
3	TELEPHONE
4	LARGE SCALE PLANS
5	DETAILS
6	SCHEDULES AND DRAWINGS
7	NOT USED
8	NOT USED
9	NOT REFERENCED

CONTACTS

OWNER:

ADDRESS:
 CITY OF DAVID CITY, NEBRASKA
 400 E STREET
 DAVID CITY, NE 68632

CONTACT INFO:
 PAT HOSEY
 phosey@dcidginc.com
 402.367.7135

ELECTRICAL ENGINEER:

ADDRESS:
 JEO CONSULTING GROUP
 1153 DANVERSPT ST, SUITE 200
 OMAHA, NE 68154

CONTACT INFO:
 MATT MALIN
 mmalin@jco.com
 P-402.360.0217

UTILITIES

WATER:

CONTACT INFO:
 DON BOBODA
 dboboda@dcidginc.com
 402.367.7132

SEWER:

CONTACT INFO:
 ANTHONY KOBUS
 akobus@dcidginc.com
 402.367.7134

ELECTRIC:

CONTACT INFO:
 PAT HOSEY
 phosey@dcidginc.com
 402.367.7135



JEO CONSULTING GROUP

1827 N CHESTNUT ST
 SUITE 100
 402.367.1827 | jco.com

ORGANIZATION CERTIFICATE OF AUTHORIZATION NUMBER: CA-0369



MATT MALIN - ELECTRICAL
 E-13362

ISSUE

MARK	DATE	DESCRIPTION
FO	07/18/2025	60%
DO	08/27/2025	90%
DD	12/17/2025	99%

INDEX OF SHEETS

SHEET NO.	SHEET NAME
0001	COVER SHEET
0002	SYMBOLS AND ABBREVIATIONS
0101	PROJECT LOCATION MAP
E101 - E108	ELECTRICAL IMPROVEMENTS PLANS
E109 - E118	ELECTRICAL IMPROVEMENTS PLANS

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68632

JEO PROJECT NO.: 260990.00
 DRAWN BY: B3
 QASD: MEX J.L.M
 Additional Project Info:

SCALE SHOWN FOR 27" X 36" SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES
 NO SURVEY FEET (NFT)

COVER SHEET

G001



JEO CONSULTING GROUP

1227 N CHESTNUT ST
 WAHOO, NE 68069
 800.723.8587 | jeo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0090



MATT KALIN - ELECTRICAL
 E-13262

ISSUE

MARK	DATE	DESCRIPTION
FD	07/18/2025	80%
DD	06/27/2025	90%
DO	10/17/2025	99%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68532

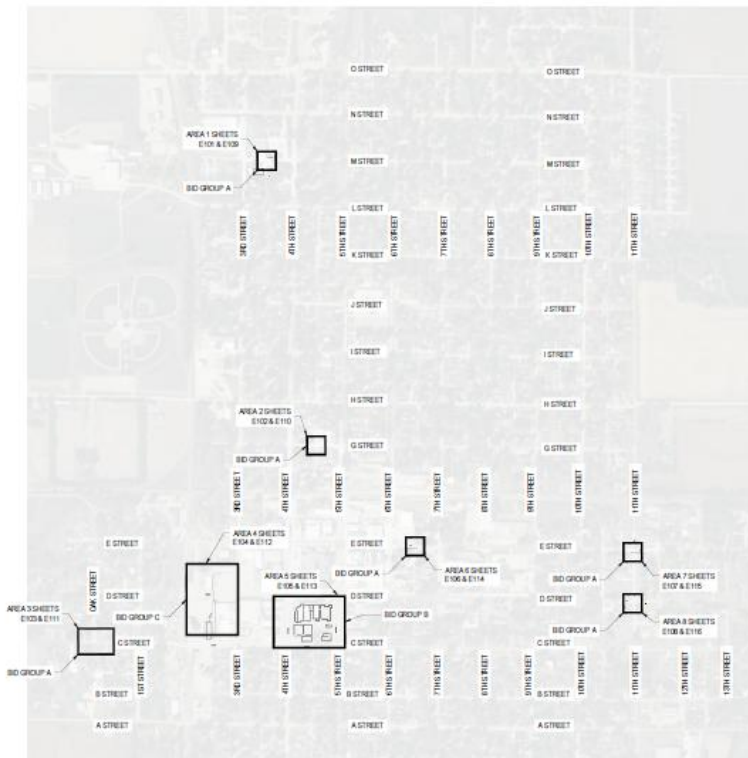
JEO PROJECT NO.: 250990.00
 DRAWN BY: BB
 QA/QC: MEK & AJM

ADDITIONAL INFO:

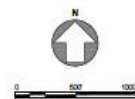
SCALE SHOWN FOR 22"X34" SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



PROJECT LOCATION MAP



PROJECT AREAS LOCATION MAP
 SCALE: 1"=500'-0"





JED CONSULTING GROUP

1077 N CHESTNUT ST
 WAHOO, NE 68095
 800.733.8387 | jcd.com

CONSULTING CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0099



MATT MALIN - ELECTRICAL
 E-13302

ISSUE

MARK	DATE	DESCRIPTION
PO	07/18/2025	00%
DO	08/27/2025	00%
DD	12/17/2025	00%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAWB CITY
 405 E STREET DAVID CITY, NE 68602

JED PROJECT NO.: 260092.00
 DRAWN BY: BB
 CHECKED BY: MEX.S.A.M

ADDITIONAL INFO:

SCALE: SHOWN FOR EACH SHEET
 VERIFY SCALE FOR REVISIONS OR PRINTED COPIES



AREA 1 ELECTRICAL DEMOLITION
 PLAN

E101





JEO CONSULTING GROUP
 1927 N CHESTNUT ST
 WAUCHO, NE 68060
 603.733.8587 | jcg.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-5000



MATT KULIN - ELECTRICAL
 E-1382

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/16/2025	0%
	DO	08/27/2025	0%
	DD	10/17/2025	0%

**2026 ELECTRICAL DISTRIBUTION
 IMPROVEMENTS**

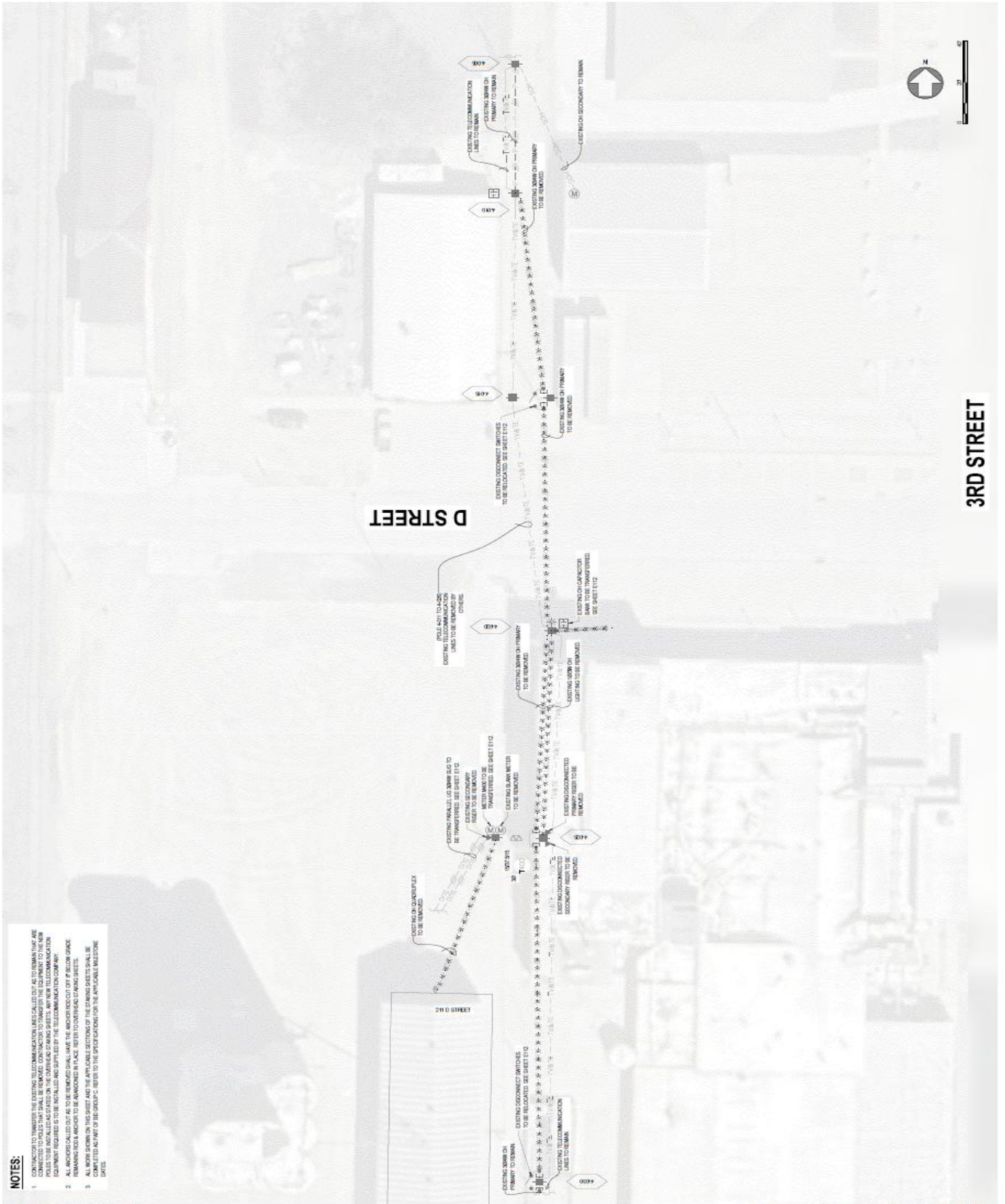
CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68022

PROJECT NO.: 20260020
 DRAWN BY: MEL J. JAM
 DATE: 08/27/25
 ADDITIONAL INFO:

SCALE: SHOWN FOR 20' X 40' SHEET
 VERIFY SCALE FOR REDUCED SIZE PRINTED COPIES
NO UNITS FEET (NFT)

AREA 4 ELECTRICAL DEMOLITION
 PLAN

E104





JEO CONSULTING GROUP
 1871 N. CHESTNUT ST.
 WACO, TX 76708
 800.753.8547 | jco.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0059



MATT MALIN - ELECTRICAL
 E-13102

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	80%
	DO	08/27/2025	90%
	DD	10/17/2025	95%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID COUNTY
 400 E STREET DAVID CITY, NE 68622

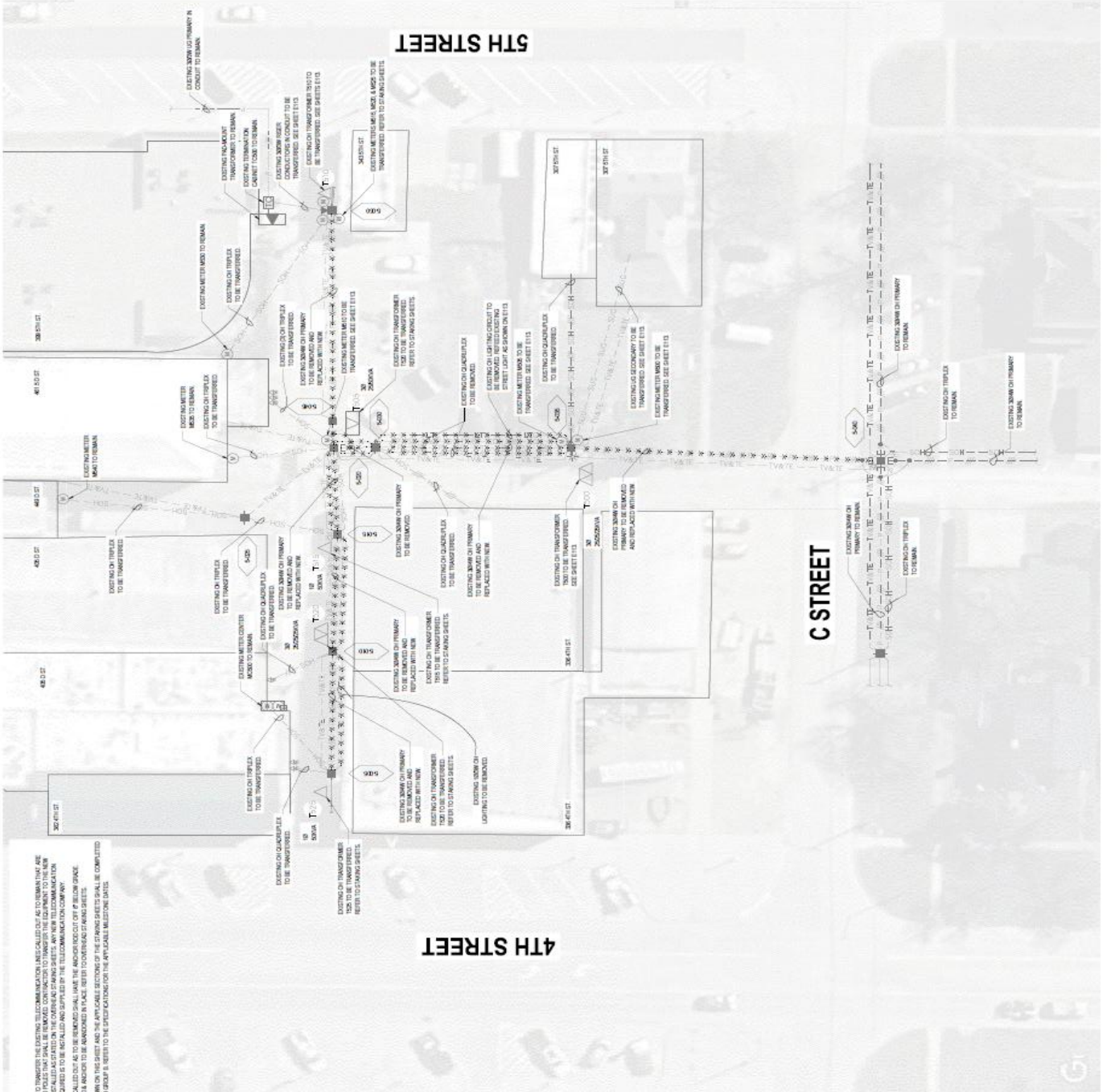
JEO PROJECT NO.: 200002-00
 DRAWN BY: BEC
 CHECKED BY: MEX S. ALM
 DATE: 10/17/2025

ADDITIONAL INFO:
 SCALES SHOWN FOR 20' OFF SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



AREA 5 ELECTRICAL DEMOLITION PLAN

E105



- NOTES:**
1. CONDUIT TO TRANSFER THE EXISTING TELECOMMUNICATIONS CABLES CALLED OUT AS TO REMAIN THAT ARE CONNECTED TO EQUIPMENT SHALL BE REMOVED. CONTRACTOR TO TRANSFER THE EQUIPMENT TO THE NEW CONDUIT. CONTRACTOR TO BE RESPONSIBLE FOR THE REMOVAL OF THE EQUIPMENT TO THE NEW CONDUIT.
 2. ALL ANCHORS CALLED OUT AS TO BE REMOVED SHALL HAVE THE ANCHOR ROD CUT OFF AT BELOW GRADE. REMAINING BOLT AND NUTS TO BE ANCHORED IN PLACE. REFER TO CONCRETE STAMPING SHEETS.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE STAMPING SHEETS SHALL BE COMPLETED AS PART OF THE GROUP REFERRED TO IN THE NOTES ON THE APPLICABLE SECTIONS OF THE STAMPING SHEETS.



JBO CONSULTING GROUP
 1377 N CHESTNUT ST
 WAHOO, NE 68096
 800.732.1857 | jbo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0008



MATT MALIN - ELECTRICAL
 E-13902

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	90%
	DO	08/27/2025	90%
	DO	10/17/2025	90%

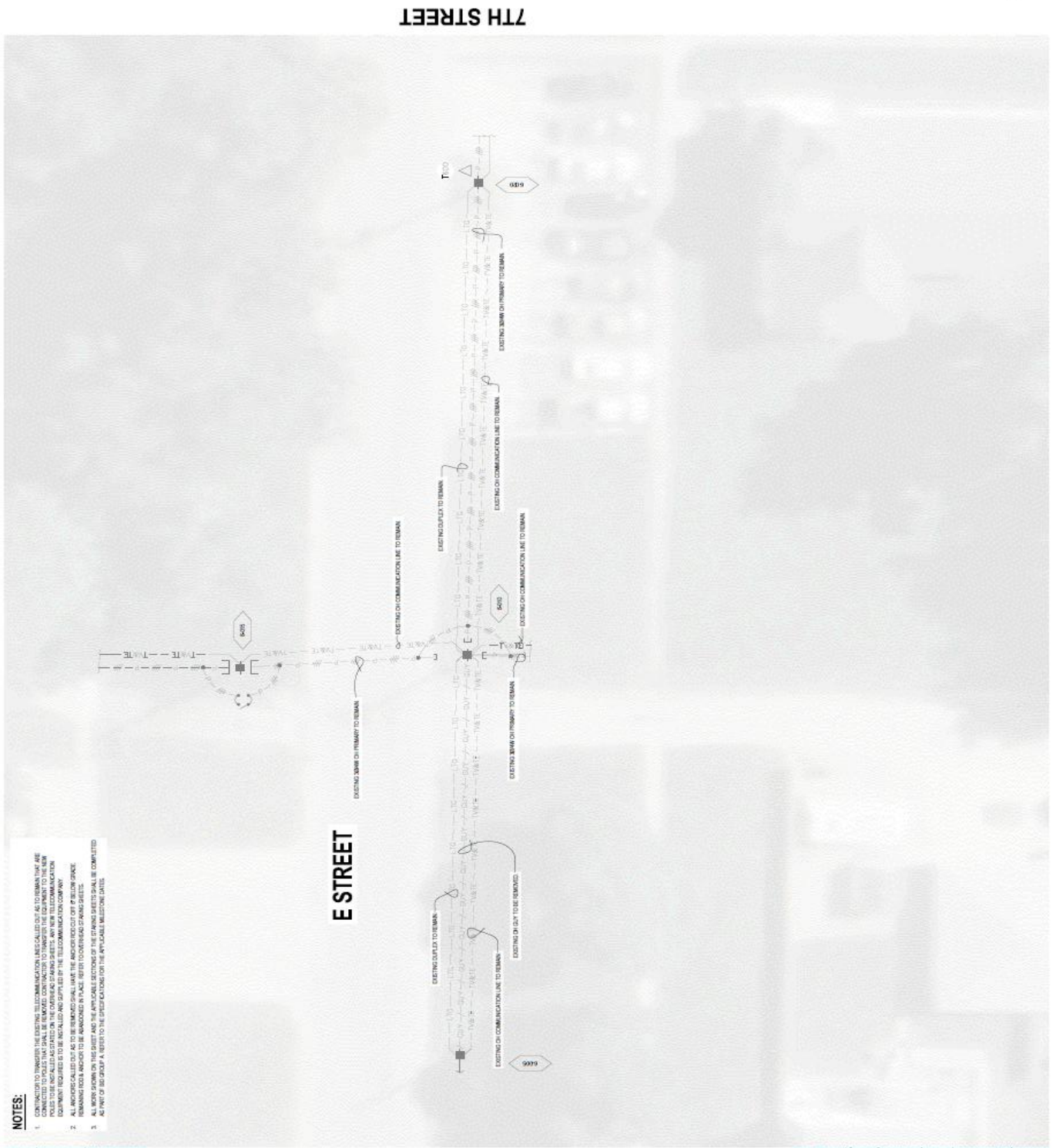
2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68532

JED PROJECT NO.: 202602.00
 DRAWN BY: MEB & LJM
 CHECKED:
 ADDITIONAL INFO:

SCALE: AS SHOWN (0.25" = 1'-0")
 VERIFY ALL FIELD CONDITIONS BEFORE CONSTRUCTION

AREA 6 ELECTRICAL DEMOLITION PLAN



- NOTES:**
1. CONTRACTOR TO TRANSFER THE EXISTING TELECOMMUNICATION LINES CALLED OUT AS TO REMAIN THAT ARE CONNECTED TO POLLS THAT SHALL BE REMOVED. CONTRACTOR TO TRANSFER THE EQUIPMENT TO THE NEW EQUIPMENT REQUIRED TO BE INSTALLED AND SUPPLIED BY THE TELECOMMUNICATION COMPANY.
 2. ALL ANCHORS CALLED OUT AS TO BE REMOVED SHALL HAVE THE ANCHOR REDUCED OFF AT BELOW GRADE. REMAINING ANCHOR TO BE ANCHORED IN PLACE. REFER TO OVERHEAD DRAWING SHEETS.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS SHOWN OR AS SHOWN IN THE FIELD FOR THE ENTIRE PORTION OF THE APPLICABLE SECTION SHEETS.



JEO CONSULTING GROUP
 187 N CHESTNUT ST
 WAHAOO, NE 68099
 800.733.8387 | jco.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0586



MATT KALIN - ELECTRICAL
 E-13382

ISSUE

MARK	DATE	DESCRIPTION
PO	07/18/2025	65%
DD	08/27/2025	80%
CD	12/11/2025	90%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVO CITY
 400 E STREET DAVID CITY, NE 68622

JEO PROJECT NO.: 200000.00
 DRAWING NO.: E8
 DATE: MAY 5, 2024

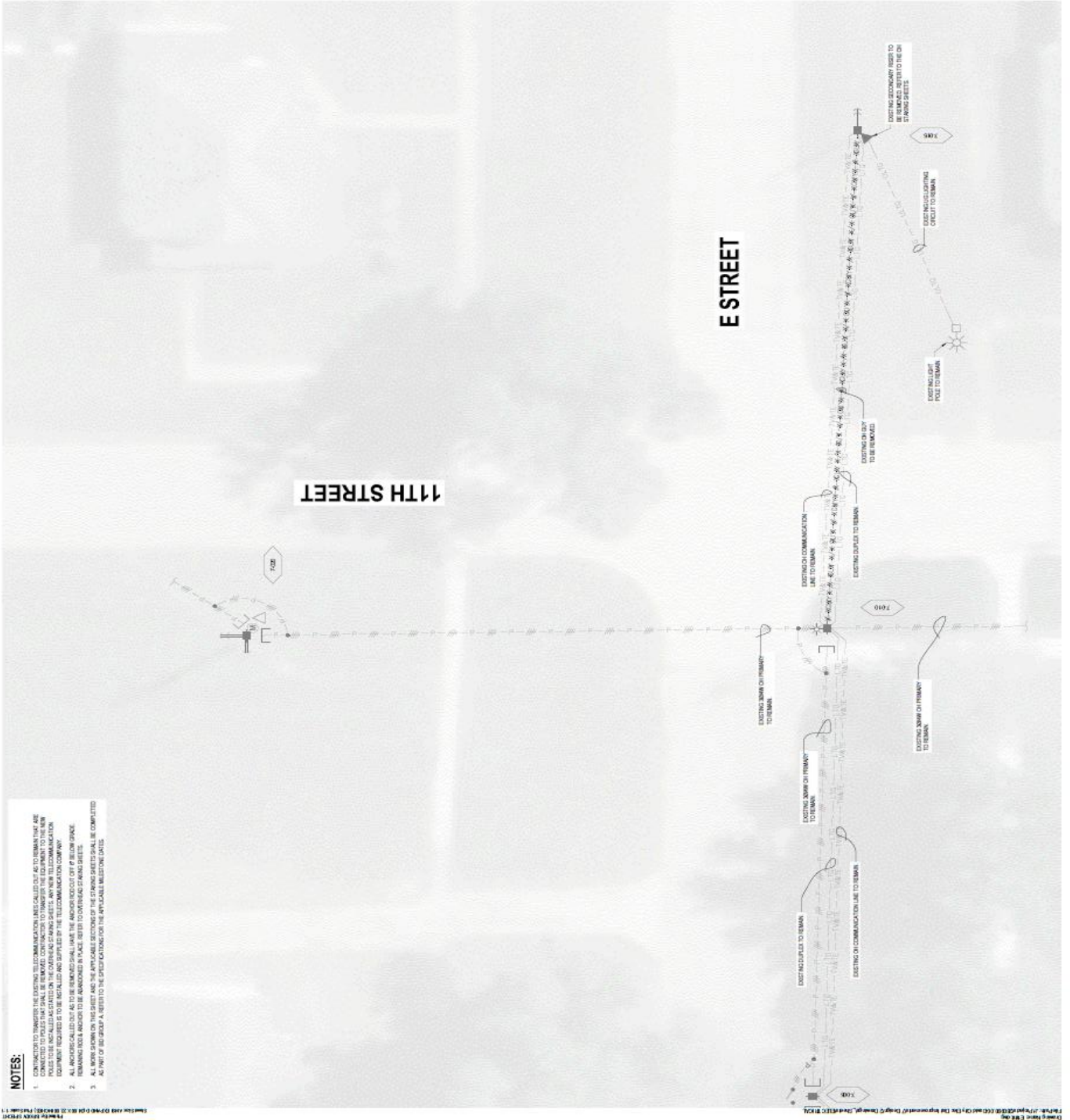
ADDITIONAL INFO:

SEE ALL DRAWINGS FOR SCALE AND
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



AREA 7 ELECTRICAL DEMOLITION PLAN

E107





JBO CONSULTING GROUP
 1827 N CHESTNUT ST
 WAHOO, NE 68606
 800.733.6587 | jbo.com

CONSULTATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0093



MATT MALIN - ELECTRICAL
 E-15302

ISSUE	MARK	DATE	DESCRIPTION
	PD	07/18/2025	60%
	CD	08/27/2025	90%
	CD	12/17/2025	99%

2025 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY
 400 E 8TH STREET DAVID CITY, NE 68632

JED PROJECT NO.: 20096236
 DRAWN BY: JED & AJM
 CHECKED BY: JED & AJM

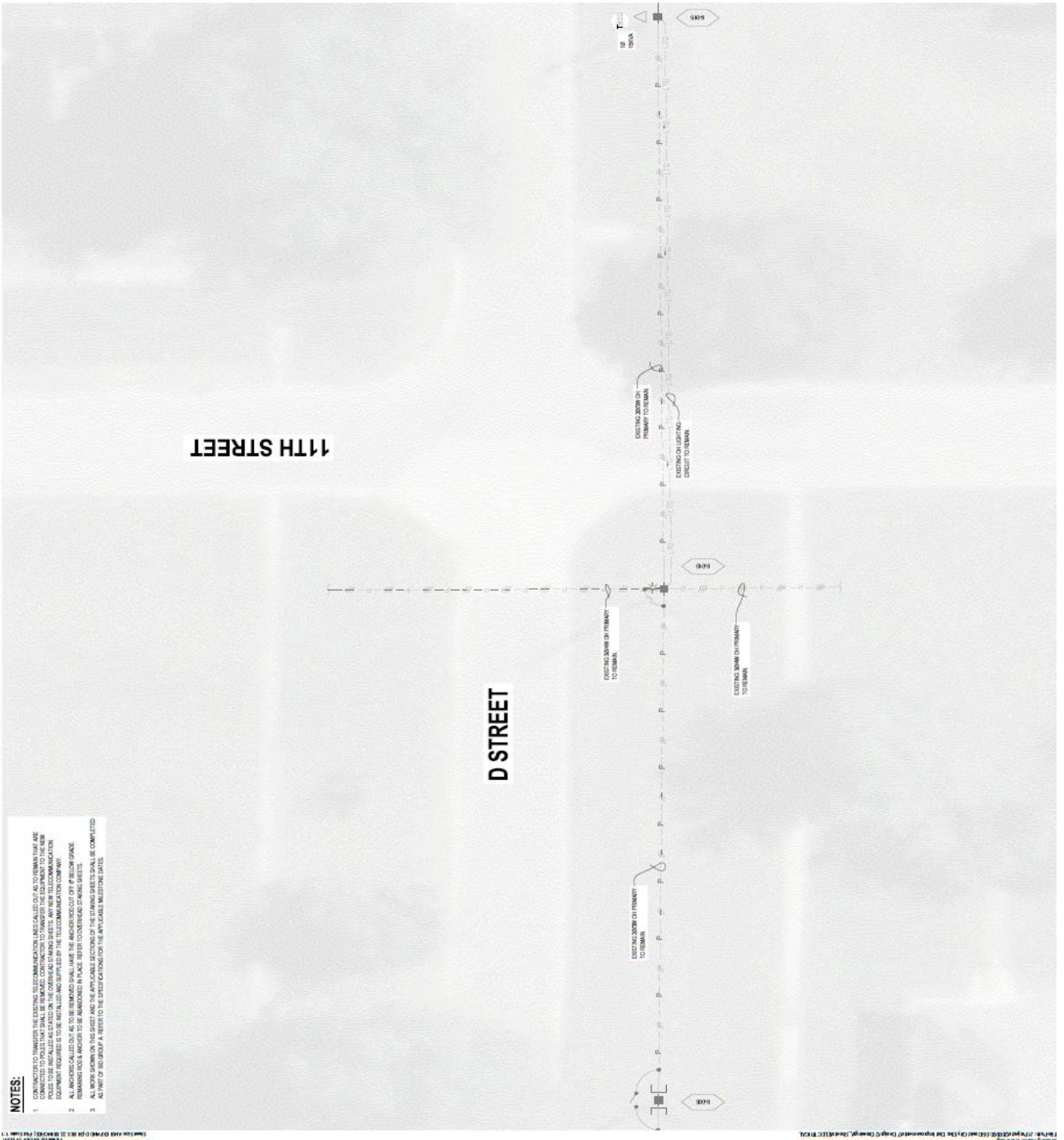
ADDITIONAL INFO:

SCALE SHOWN FOR THIS SHEET
 VERIFY ALL DIMENSIONS AND SPACINGS



AREA 8 ELECTRICAL DEMOLITION
 PLAN

E108





JEO CONSULTING GROUP
 187 N CHESTNUT ST
 WAHOO, NE 68086
 800.722.8587 | jco.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0099



MATT KAVIN, ELECTRICAL
 E-13282

ISSUE	MARK	DATE	DESCRIPTION
PO	07/20/25	80%	
CO	08/20/25	80%	
DO	10/17/2025	80%	

2025 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF LAIRD CITY
 400 E STREET DAVID CITY, NE 68622

JEO PROJECT NO.: 250005.06
 DRAWING NO.: ES
 DATE: MEX 1.1.24

ADDITIONAL INFO:
 1/8" = 10' HORIZONTAL SCALE
 1/8" = 10' VERTICAL SCALE FOR REDUCED AND PRINTED COPIES

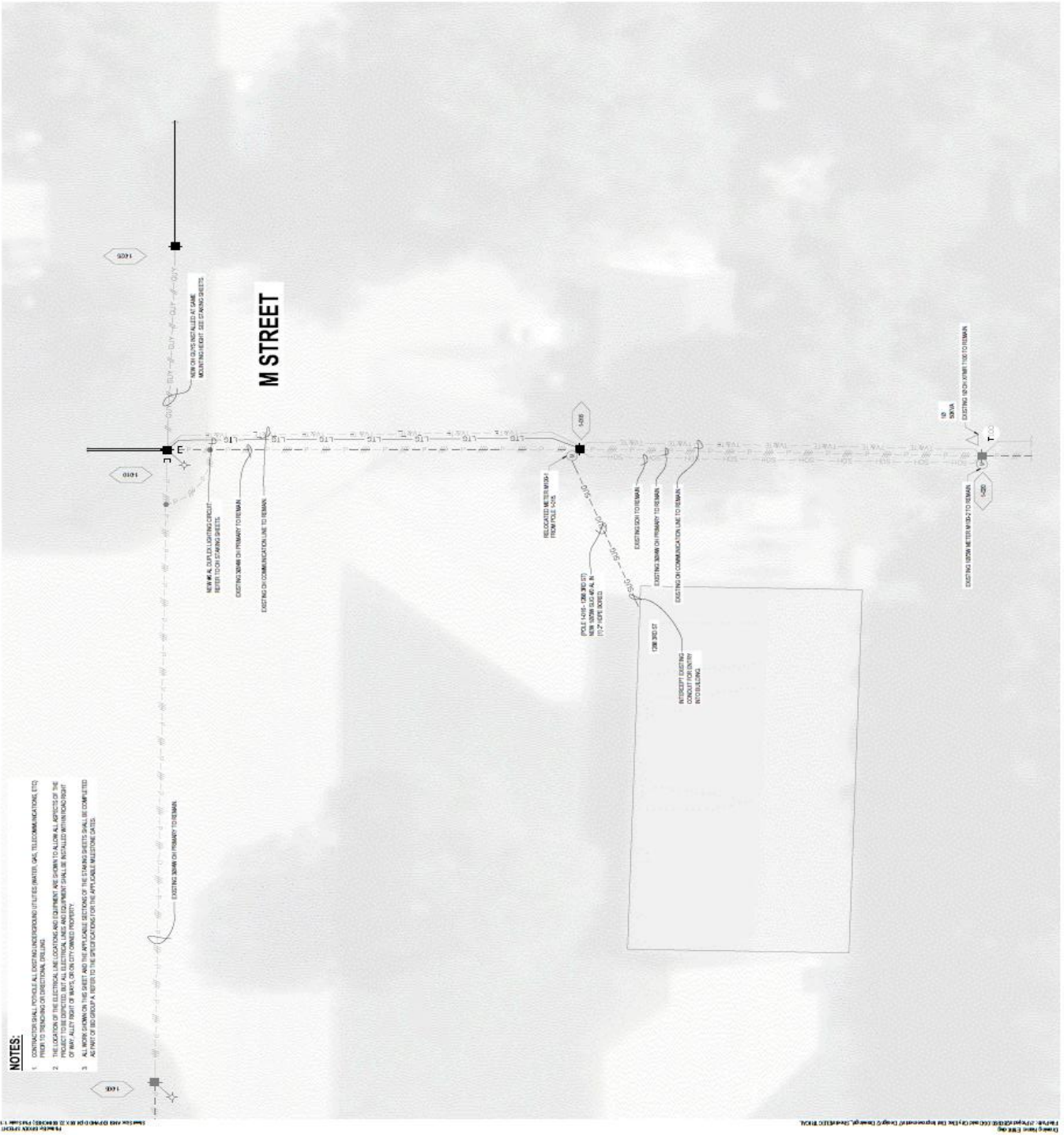


AREA 1 ELECTRICAL IMPROVEMENTS PLAN

E109



4TH STREET



- NOTES:**
1. CONTRACTOR SHALL PROVIDE ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) PRIOR TO BEGINNING OF ELECTRICAL WORKING.
 2. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL AND STATE REGULATIONS. ALL ELECTRICAL LINES AND EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY ALLEY RIGHT OF WAY, OR ON CITY OWNED PROPERTY.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED IN ACCORDANCE WITH THE SPECIFICATIONS FOR THE APPLICABLE ELECTRICAL CODES.



JBO CONSULTING GROUP
 127 N CHESTNUT ST
 WAHOO, NE 68095
 800.732.6877 | jbo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-909



MATT KULN - ELECTRICAL
 E-1382

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	00%
	CO	08/27/2025	00%
	DO	12/17/2025	00%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVID CITY
 400 E 5TH STREET DAVID CITY, NE 68622

JBO PROJECT NO.: 261000.00
 DRAWN BY: BS
 QA/QC: MEG & JAM

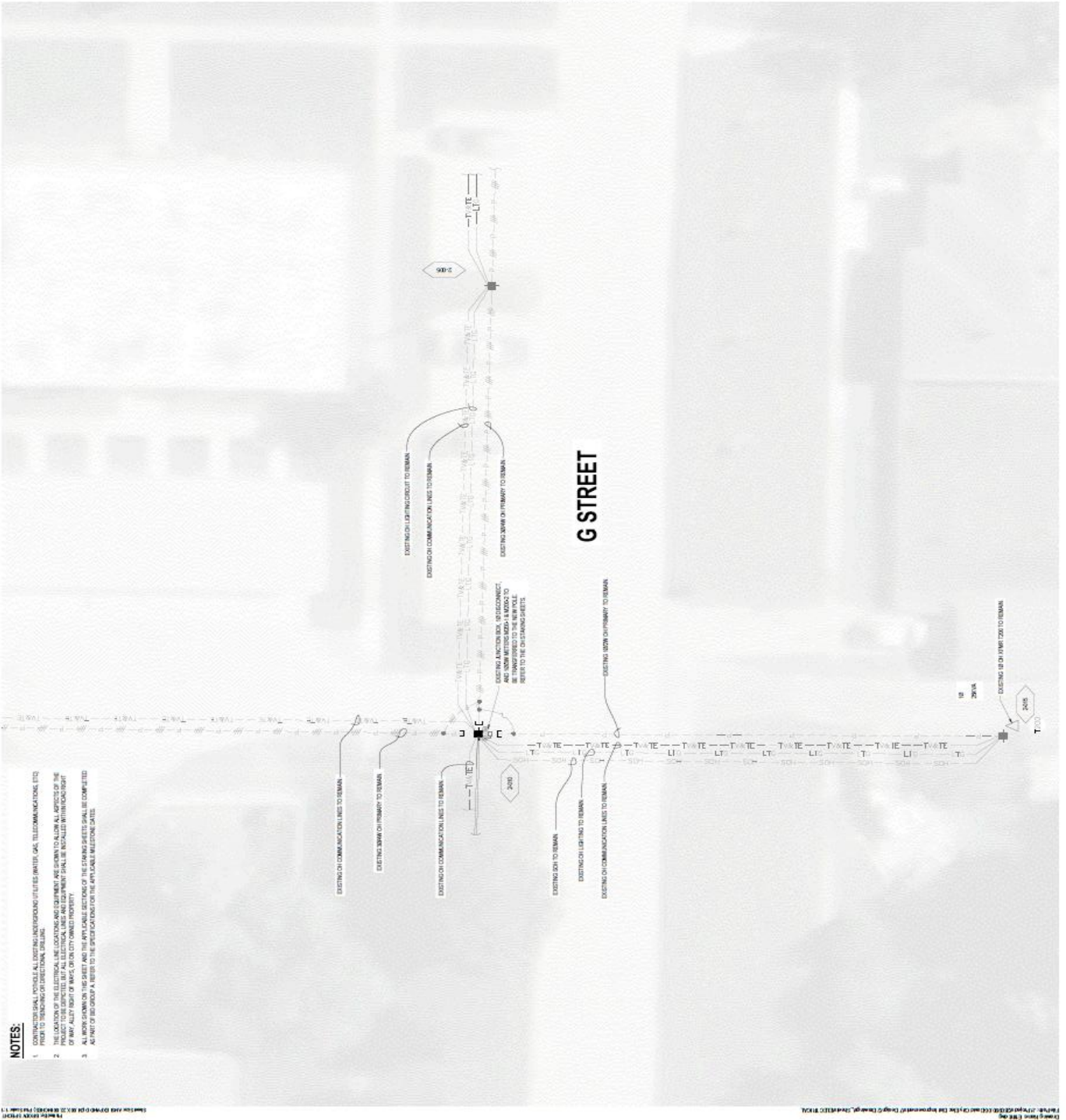
ADDITIONAL INFO:

THIS IS A PRELIMINARY PLAN SHEET.
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



AREA 2 ELECTRICAL IMPROVEMENTS PLAN

E110



- NOTES:**
1. CONTRACTOR SHALL PROVIDE ALL EXISTING AND PROPOSED UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) FROM TO THE EXISTING OR PROPOSED UTILITY.
 2. EXISTING UTILITIES SHALL BE IDENTIFIED BY THE CONTRACTOR AND SHALL BE SHOWN ON THE PLAN. ALL UTILITIES SHALL BE IDENTIFIED BY THE CONTRACTOR AND SHALL BE SHOWN ON THE PLAN. ALL UTILITIES SHALL BE IDENTIFIED BY THE CONTRACTOR AND SHALL BE SHOWN ON THE PLAN.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF THE GROUP A PERMIT TO THE SPECIFICATIONS OF THE APPLICABLE MUNICIPAL ORDINANCES.



JEO CONSULTING GROUP
 187 N CHESTNUT ST
 WAHOO, NE 68099
 800.723.8597 | jco.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-009



MATT MALIN - ELECTRICAL
 E-13382

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	60%
	CO	08/27/2025	90%
	DO	10/17/2025	90%

2025 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAVO CITY
 400 E STREET DAVID CITY, NE 68632

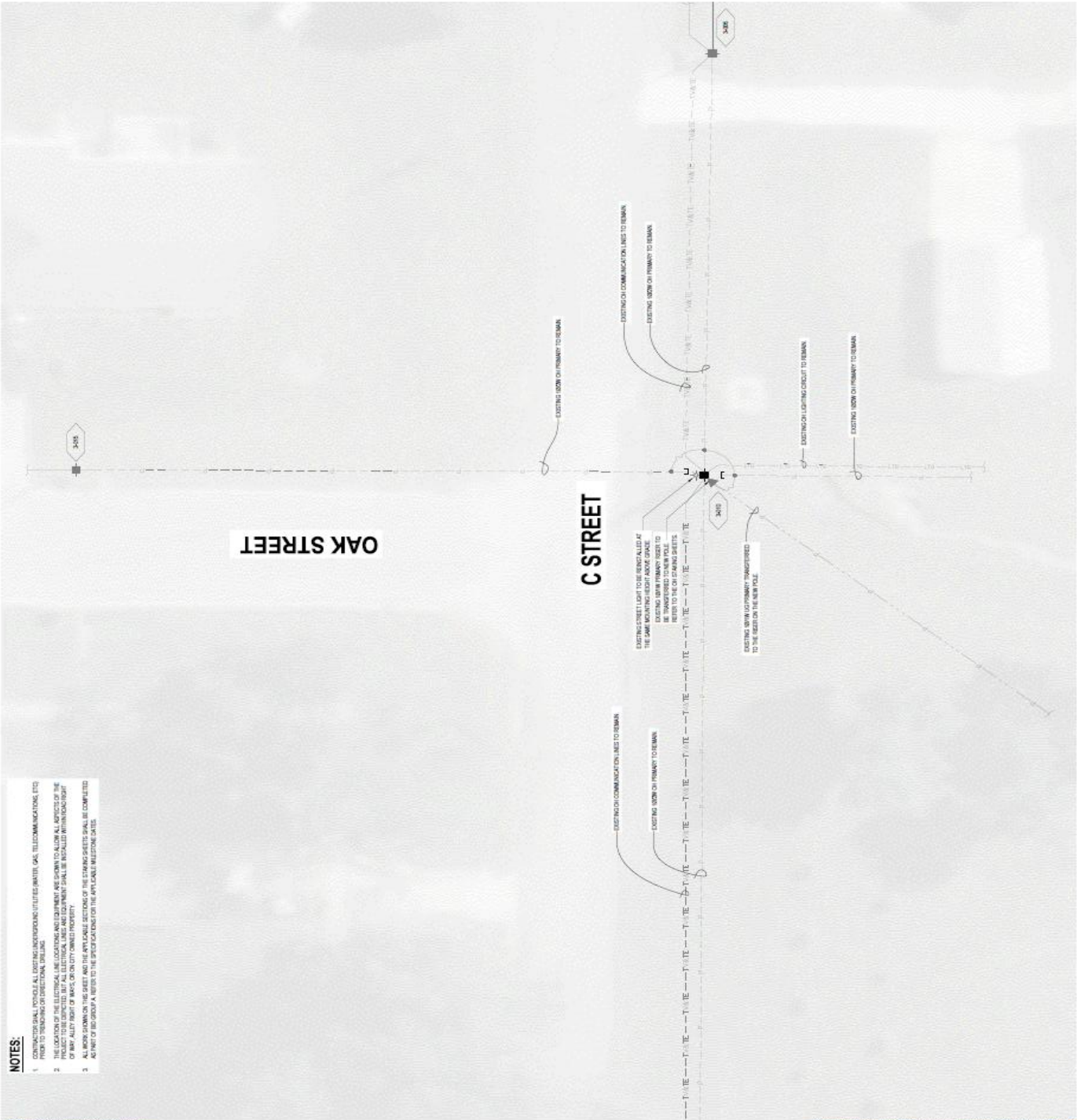
JEO PROJECT NO.: 250002.00
 DRAWN BY: BC
 DATE: 06.11.25

ADDITIONAL INFO:

SCALE: SHOWN FOR STAFF SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES

AREA 3 ELECTRICAL IMPROVEMENTS PLAN

- NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC) PRIOR TO PERFORMING DISTRIBUTION LAYOUTS.
 2. ALL EXISTING UNDERGROUND UTILITIES SHALL BE IDENTIFIED AND MARKED WITH REFLECTOR PINS OR SURFACE INDICATORS PRIOR TO ANY CONSTRUCTION. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS AND ORDINANCES.
 3. ALL WORK SHOWN ON THIS SHEET AND THE AVAILABLE SECTIONS OF THE STAKING SHEETS SHALL BE COMPLETED AS PART OF THE GROUP A, REFER TO THE SPECIFICATIONS ON THE AVAILABLE MILESTONE SHEETS.



Project: 250002.00 - City of David City - Electrical Distribution Improvements - Area 3 - Electrical Improvements Plan - E111
 Date: 06/11/25
 Drawn by: BC
 Checked by: JEO
 Scale: As Shown



JED CONSULTING GROUP
 187 N CHESTNUT ST
 WAHOO, NE 68099
 800.723.8387 | jcg.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-009



MATT MALIN - ELECTRICAL
 E-11262

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	60%
	DO	08/27/2025	90%
	CO	10/17/2025	90%

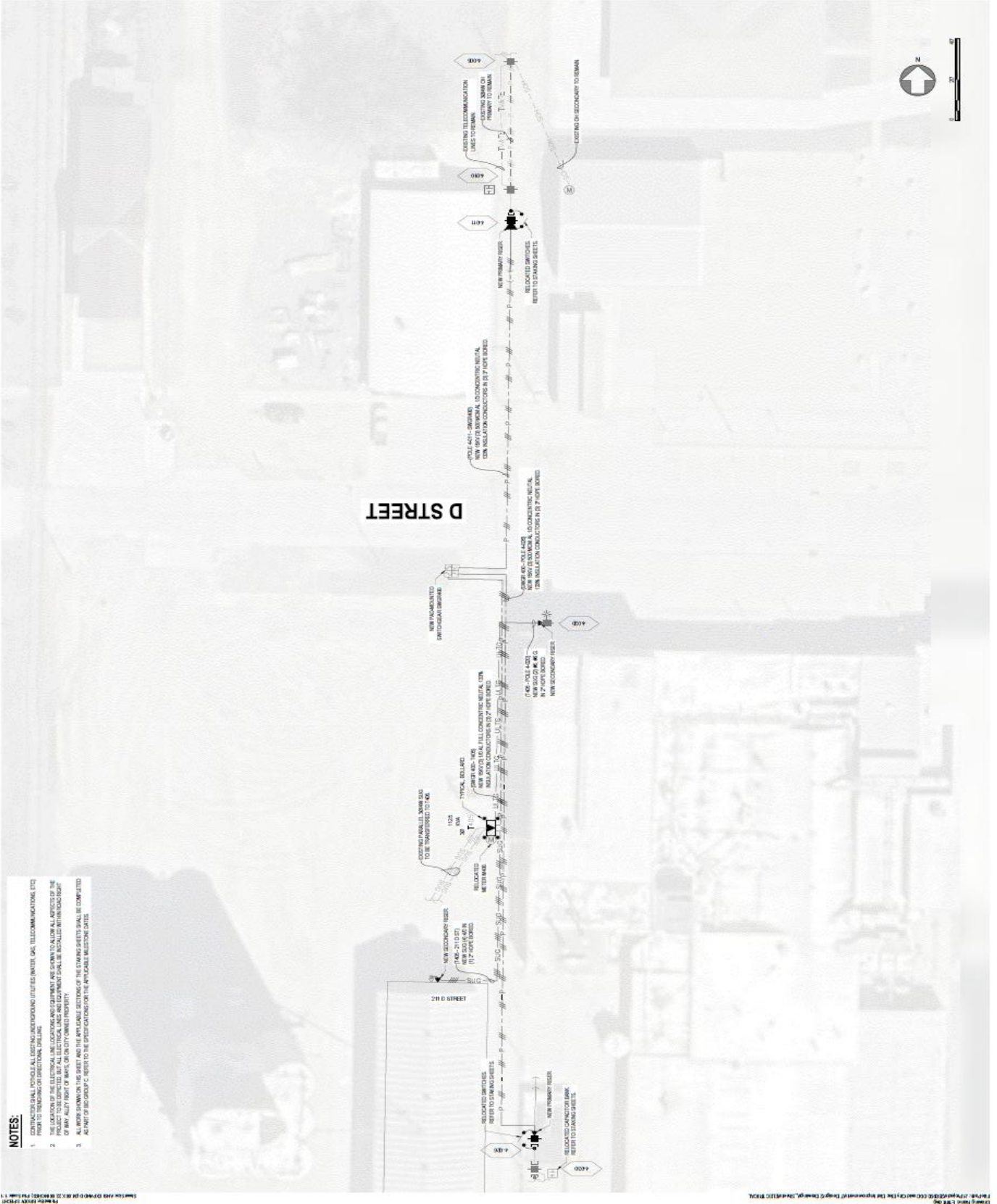
2025 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF DAWG CITY
 400 E STREET DAVID CITY, NE 68822

JED PROJECT NO.: 25000020
 DRAWN BY: BE
 CHECKED BY: MEX & JAM
 ADDITIONAL INFO:

SCALE: SHOWN FOR EQUIP SHEET
 1/8" = 1' (VERTICAL SCALE FOR REDUCED OR PRINTED COPIES)

AREA 4 ELECTRICAL IMPROVEMENTS PLAN



- NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) PRIOR TO REMEDIATING OR RECONSTRUCTING EXISTING.
 2. ALL WORK SHALL BE IN ACCORDANCE WITH THE CITY OF DAWG CITY ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND INSURANCE COVERAGE PRIOR TO THE START OF WORK. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF DAWG CITY ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE REGULATIONS AND ORDINANCES.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF THE GROUP 'C' REFER TO THE SPECIFICATIONS ON THE APPLICABLE SHEETING DATES.

DATE: 10/17/2025 11:11 AM
 PROJECT: 25000020 - CITY OF DAWG CITY ELECTRICAL IMPROVEMENTS PLAN - AREA 4



JED CONSULTING GROUP
 1027 N CHESTNUT ST
 WAHOO, NE 68080
 800.721.8587 | jed.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0008



MATT VALIN - ELECTRICAL
 E-13302

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	50%
	CO	08/27/2025	90%
	CO	10/17/2025	90%

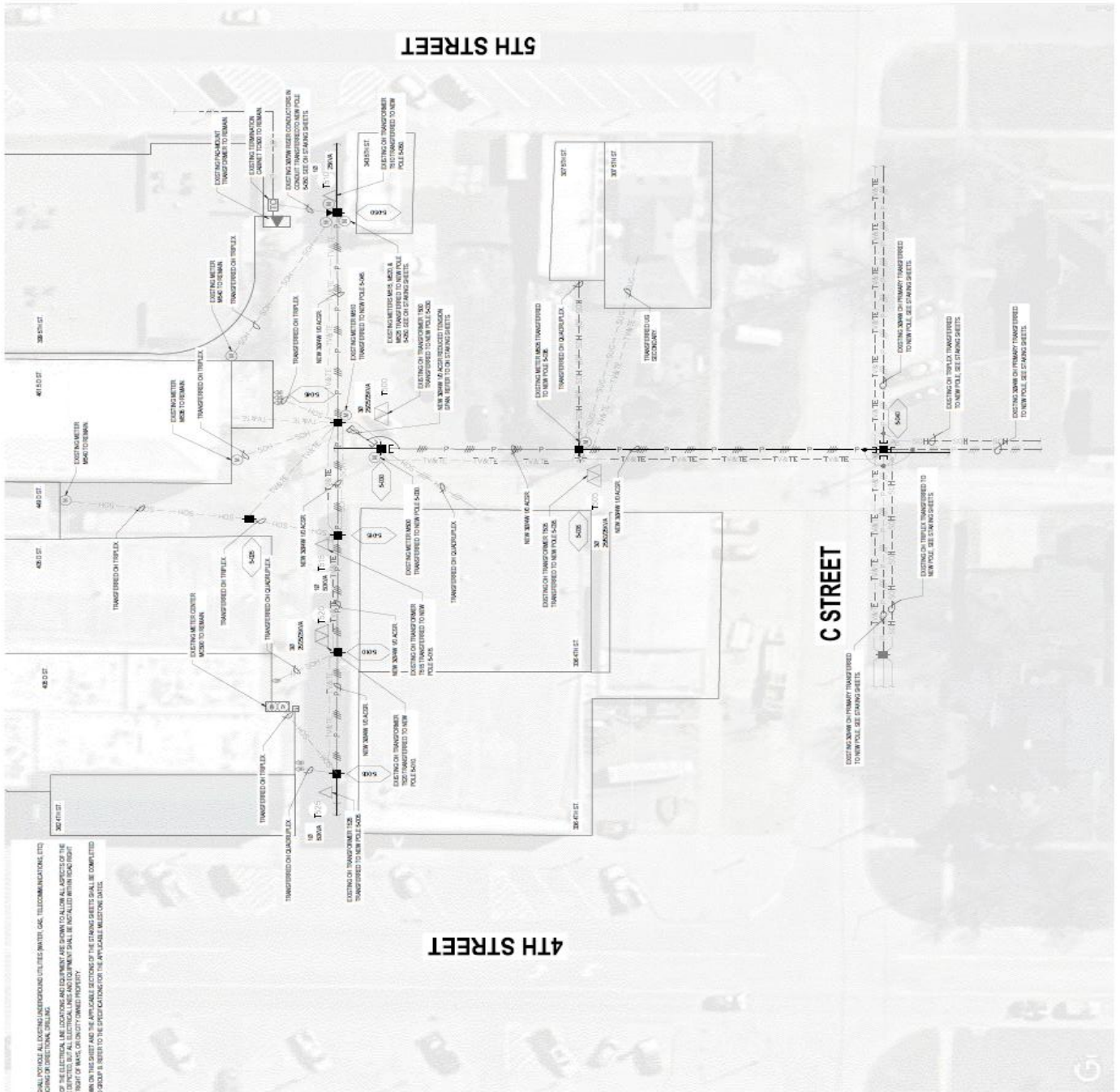
**2026 ELECTRICAL DISTRIBUTION
 IMPROVEMENTS**

CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68622

JED PROJECT NO.: 20000.00
 ES
 DRAWN BY: MEL LAM
 QA/QC:
 ADDITIONAL INFO:

SCALE: SHOWN FOR 27" OF SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES

**AREA 5 ELECTRICAL
 IMPROVEMENTS PLAN**



- NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) PRIOR TO BEGINNING OF CONSTRUCTION.
 2. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF THE PROJECT IN ACCORDANCE WITH THE SPECIFICATIONS OF THE APPLICABLE MISSOURI STATE.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF THE PROJECT IN ACCORDANCE WITH THE SPECIFICATIONS OF THE APPLICABLE MISSOURI STATE.



JKO CONSULTING GROUP

1871 N CHESTNUT ST
 WILKINSON, NE 68094
 800.733.8597 | jko.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-0099



MATT FALUN - ELECTRICAL
 E-13282

ISSUE	MARK	DATE	DESCRIPTION
PO	07/18/2025	08%	
CO	04/16/2025	00%	
DO	10/17/2025	00%	

**2026 ELECTRICAL DISTRIBUTION
 IMPROVEMENTS**

CITY OF DAVID CITY
 400 E STREET DAVID CITY, NE 68532

JED PROJECT NO.: 250096.00
 DRAWN BY: EG
 CHECKED BY: MEX.L.ALM
 DATE: 05/13/2026

ADDITIONAL INFO:
 SCALES SHOWN FOR 24" X 36" SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



AREA 6 ELECTRICAL
 IMPROVEMENTS PLAN



- NOTES:**
1. CONTRACTOR SHALL PROVIDE ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) PRIOR TO THE BEGINNING OF CONSTRUCTION.
 2. THE LOCATION OF THE ELECTRICAL LINE LOCATIONS AND EQUIPMENT ARE SHOWN TO ALLOW ALL ASPECTS OF THE PROJECT TO BE COMPLETED WITHIN THE RIGHT-OF-WAY. THE RIGHT-OF-WAY SHALL BE INDICATED BY THE BOUNDARY LINES OF THE RIGHT-OF-WAY. ALL WORK SHOWN ON THE SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF RECORD A. REFER TO THE SPECIFICATIONS FOR THE APPLICABLE MILESTONE DATES.

7TH STREET

E STREET





JEO CONSULTING GROUP
 107 N CHESTNUT ST
 WAHOO, NE 68086
 800.223.8597 | jeo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER CA-0059



MATT KALIN - ELECTRICAL
 E-1026

ISSUE	MARK	DATE	DESCRIPTION
	PO	07/18/2025	80%
	DO	08/27/2025	90%
	DD	10/17/2025	95%

**2026 ELECTRICAL DISTRIBUTION
 IMPROVEMENTS**

CITY OF DAVID CITY
 404 E STREET DAVID CITY, NE 68522

JEO PROJECT NO.: 20000020
 DRAWING BY: ES
 CHECKED BY: NEXI LAM
 ADDITIONAL INFO:

SCALE DRAWING OF THIS SHEET
 VERTICAL DIMENSIONS APPROXIMATE
UP IS NORTH (N)

**AREA 7 ELECTRICAL
 IMPROVEMENTS PLAN**

E115



- NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC.) PRIOR TO BEGINNING OF CONSTRUCTION.
 2. THE LOCATION OF THE EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION OF NEW ALLEY RIGHT OF WAY, OR CITY OWNED PROPERTY.
 3. ALL WORK SHOWN ON THIS SHEET AND THE APPLICABLE SECTIONS OF THE DRAWING SHEETS SHALL BE COMPLETED AS NOTED OR OTHERWISE REFERRED TO THE SPECIFICATIONS OR THE APPLICABLE MILESTONE DATES.



JEO CONSULTING GROUP

4571 N. GARDEN AVENUE
 SUITE 100
 SAN ANTONIO, TEXAS 78248
 214.343.1597 | jeo.com

ORGANIZATION CERTIFICATE OF
 AUTHORIZATION NUMBER: CA-9009



MATT JOLIN - ELECTRICAL
 E 1582

ISSUE

MARK	DATE	DESCRIPTION
PO	07/18/2025	00%
DO	08/27/2025	00%
DO	10/17/2025	00%

2026 ELECTRICAL DISTRIBUTION IMPROVEMENTS

CITY OF SAN ANTONIO
 401 E STREET (SAN ANTONIO, TEXAS)

JEO PROJECT NO.: 230002.00
 DRAWN BY: BS
 QADC: MEK & LJM

ADDITIONAL INFO:

1/8" = 1' SCALE FOR 24" X 36" SHEET
 VERIFY SCALE FOR REDUCED OR PRINTED COPIES



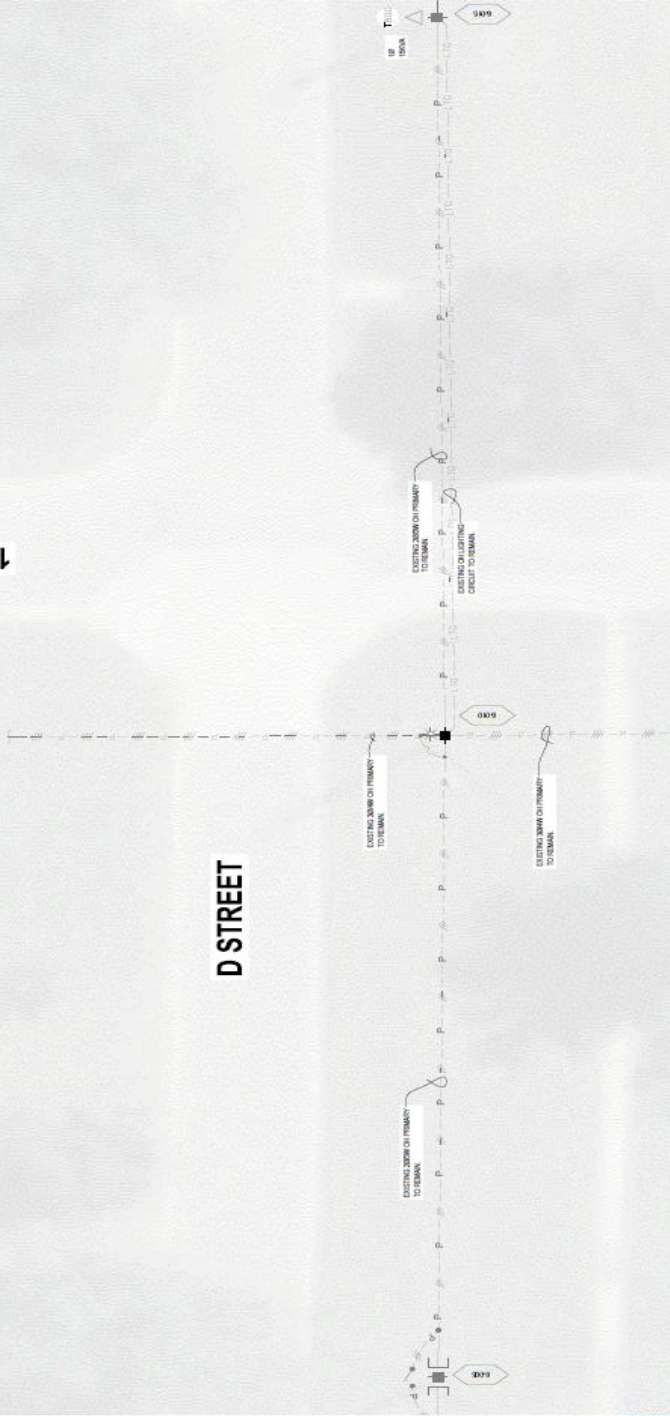
AREA 8 ELECTRICAL IMPROVEMENTS PLAN

E116

- NOTES:**
1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, TELECOMMUNICATIONS, ETC) PRIOR TO TRENCHING OR DIRECTIONAL DRILLING.
 2. THE LOCATION OF THE ELECTRICAL LINE LOCATIONS AND EQUIPMENT ARE SHOWN TO ALLOW ALL ASPECTS OF THE WORK TO BE COMPLETED WITHIN THE PROPERTY BOUNDARIES. THE PROPERTY BOUNDARIES SHALL BE INDICATED WITHIN THE RIGHT-OF-WAY ALIQUOT RIGHT OF WAY OR ON CITY OWNED PROPERTY.
 3. ALL WORK SHOWN ON THIS SHEET AND THE ANY CHANGE ORDERS OF THE DRAWING SHEETS SHALL BE COMPLETED AS PART OF THE CONTRACT. REFER TO THE SPECIFICATIONS FOR THE APPLICABLE MATERIALS DATES.

11TH STREET

D STREET



City Council Proceedings

May 13, 2026

Page # 146

City Administrator Alan Zavodny explained that although the equipment purchase had been included in the budget, budget inclusion alone does not automatically justify spending, and each purchase should still be evaluated individually. The proposed cable trailer was presented primarily as a safety and operation efficiency issue. Electric crew currently lack an effective and safe mechanism for handling and feeding large electrical wire spools during underground utility work. Currently, the electric crew rely at times on borrowed equipment from Butler Public Power District to help load and manage cable reels. Pulling underground electrical wire is physically demanding, particularly when handling several hundred feet of heavy cable. The self-feeding trailer would improve both safety and efficiency for staff.

Council Member Jeremy Abel made a motion to approve purchase of Cable Trailer for the David City Electric Department at a quoted price of approximately \$40,365.84. Council Member Kevin Woita seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.



Vermeer High Plains
 5700 North 70th • Lincoln, NE 68507
 402-467-5396 Call or Text
 www.vermeerhp.com

Ship To: DAVID CITY ELEC DEPT
 174 E STREET
 DAVID CITY NE 68632

Invoice To: DAVID CITY ELEC DEPT
 PO BOX 191
 DAVID CITY NE 68632

Attention: PAT HOEFT

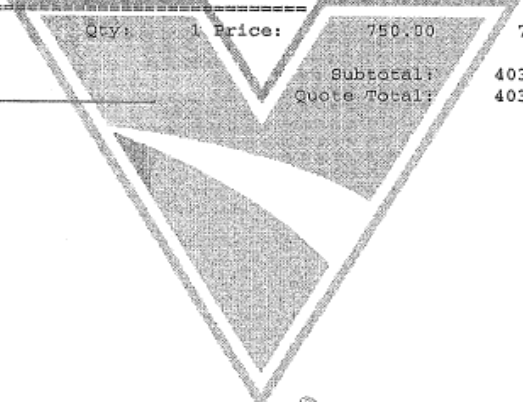
Branch 01 - LINCOLN, NE		
Date 04/28/2026	Time 14:47:33 (O)	Page 1
Account No DAVID010	Phone No 4023673197	Inv No 04 Q01745
Ship Via		Purchase Order
Tax ID No		
JON MAGUIRE		Salesperson 140 / 140

EQUIPMENT QUOTE - NOT AN INVOICE

Description	** Q U O T E **	EXPIRY DATE: 05/22/2026	Amount
New LARSON 7500 LARSON CABLE TRAILER ****INCLUDING THE FOLLOWING OPTIONS**** LARSON CABLE TRAILER COLD WEATHER START KIT SOURCEWELL 092922-PTS DAVID CITY, NE ACC#161741			39615.84

Miscellaneous Charges/Credits

FREIGHT AND PREP	Qty: 1	Price: 750.00	750.00
Authorization: _____		Subtotal:	40365.84
		Quote Total:	40365.84



City Council Proceedings

May 13, 2026

Page # 147

The council discussed a proposed temporary wage adjustment for Interim Deputy Clerk Rachel Kahnk. Mrs. Kahnk currently serves as an Account Clerk at Step 4, Administration recommended temporarily moving her to the Account Clerk II Step 1 Pay level while she serves in the Interim Deputy Clerk Role. The proposed hourly wage was approximately \$26.04 per hour, if approved the increase would remain temporary. If Mrs. Kahnk is not ultimately appointed as Deputy Clerk, her pay would return to her original wage level. Current Deputy Clerk position is open until September 1, 2026.

Council Member Rick Holland made a motion to approve hourly wage increase on a month to month basis for Interim Deputy Clerk Rachel Kahnk, going from Step 4, Account Clerk I to Step 1, Account Clerk II. Council Member Kevin Woita seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

Department										
Position	1	2	3	4	5	6	7	8	9	10
<u>City Hall</u>										
Clerical I	\$15.23	\$15.68	\$16.04	\$16.34	\$16.77	\$17.14	\$17.53	\$17.92	\$18.32	\$18.74
Acct Clerk I	\$21.21	\$21.85	\$22.50	\$23.18	\$23.87	\$24.59	\$25.33	\$26.09	\$26.88	\$27.68
Acct Clerk II	\$26.43	\$27.22	\$28.04	\$28.88	\$29.75	\$30.64	\$31.56	\$32.51	\$33.48	\$34.49
(incl .50/hr if CMC; Ord. 1	\$26.93	\$27.72	\$28.54	\$29.38	\$30.25	\$31.14	\$32.06	\$33.01	\$33.98	\$34.99

The council discussed the proposed hourly wage increases for summer recreation employees Greg Jahde and Cody Navrkal. Both employees have worked for the summer recreation program for many years, and their wages had not seen significant increases over time.

Council Member Kevin Woita made a motion to approve hourly wage increase for Greg Jahde to Step 10, Part-Time Worker, and Cody Navrkal to Step 5, Part-Time Worker. Council Member Jeremy Abel seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

Part-Time	1	2	3	4	5	6	7	8	9	10
Part-Time Workers	\$16.04	\$16.51	\$17.01	\$17.53	\$18.05	\$18.59	\$19.15	\$19.72	\$20.31	\$20.93

Council Member Rick Holland made a motion to adjourn at 8:10 p.m. Council Member Jim Angell seconded the motion. The motion carried. Jeremy Abel: Yea, Jim Angell: Yea, Rick Holland: Yea, Keith Marvin: Absent, Bruce Meysenburg: Yea, Kevin Woita: Yea. Yea: 5, Nay: 0, Absent: 1.

CERTIFICATION OF MINUTES

May 13, 2026

I, Lori Matchett, duly qualified and acting City Clerk for the City of David City, Nebraska, do hereby certify with regard to all proceedings of May 13, 2026; that all of the subjects included in the foregoing proceedings were contained in the agenda for the meeting, kept continually current and available for public inspection at the office of the City Clerk; that such subjects were contained in said agenda for at least twenty-four hours prior to said meeting; that the minutes of the meeting of the City Council of the City of David City, Nebraska, were in written form and available for public inspection within ten working days and prior to the next convened meeting of said body; that all news media requesting notification concerning meetings of said body were provided with advance notification of the time and place of said meeting and the subjects to be discussed at said meeting.

Lori Matchett, City Clerk