
On Thursday, October 12, 2023, at or before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

AGENDA

BETHANY CITY COUNCIL

TUESDAY, OCTOBER 17, 2023
6:30 P.M.

BETHANY CITY HALL
6700 NW 36TH ST
BETHANY, OKLAHOMA



With the exception of new business, official action can only occur on items which appear on the agenda. The Council may adopt, approve, ratify, deny, defer, recommend, amend, strike, or continue any agenda item. When more information is needed to act on an item, Council may refer the matter to the City Manager or the Municipal Counselor. The Council may also refer items to standing committees of the Council or to a board or commission for additional study. Under certain circumstances, items may be deferred to a specific later date or stricken from the agenda entirely.

1. Call to Order
2. Invocation and Flag Salute
3. Consent Docket:
 - A. Approval of Minutes from the October 3, 2023, Regular Meeting.
 - B. Approval of Claims: These claims have been found to be in order by staff and proper as to form and procedure and are recommended for payment. A copy of the Claims List is included in the agenda packet.
4. International City Managers Association (ICMA) 30-Year Service Award presentation to Elizabeth Gray by Dave Slezigkey, City Manager of the City of The Village and 2023 ICMA Executive Board Member.
5. Public Comment - Any person wishing to address the Council during Public Comment shall give their name, address, and city of residence to the City Clerk for the records PRIOR to the start of the meeting. *(Per Chapter 30 of the Bethany Code of Ordinances, there is a five-minute limit, and no action or discussion shall take place. All remarks shall be addressed to the Council as a body, and not to any member thereof.)*

6. Consideration and possible approval of permission for TEIM Design to advertise for bids for the ARPA Well and Wellfield Improvement Project. *(Elizabeth Gray, City Manager)*
7. Consideration and possible approval of permission for TEIM Design to advertise for bids for the Bethany Animal Welfare Sanitary Sewer Relocation Project for G. O. Bond Proposition 3-C. *(Elizabeth Gray, City Manager)*
8. Consideration and possible approval of permission for TEIM Design to advertise for bids for Pavement Improvement Project G.O. Bond Proposition 1-E (NW 30th from Rockwell to Peniel), Proposition 1-F (Mueller from NW 44th to NW 50th), and Proposition 1-G (Divis from NW 36th to NW 39th). *(Elizabeth Gray, City Manager)*
9. Consideration and possible approval of permission for TEIM Design to advertise for bids for N.W. 23rd and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-A. *(Elizabeth Gray, City Manager)*
10. Consideration and possible approval of permission for TEIM Design to advertise for bids for N.W. 36th and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-B. *(Elizabeth Gray, City Manager)*
11. Consideration and possible approval to accept Bid Packet 1 for \$977,061.66 and Bid Package 1A for \$42,442.52 from Lippert Brothers Construction for a total of \$1,019,504.18 for the General Obligation Bond Proposition 3A-Bethany Fire Station Addition project. *(Elizabeth Gray, City Manager)*
12. Consideration and possible approval of the purchase of a used 2021 Dodge Durango patrol vehicle from the Kansas Highway Patrol for \$32,025.00. *(Elizabeth Gray, City Manager)*
13. Consideration and possible action to declare 7211 NW 16th Street a dilapidated building and order its demolition and removal. *(Elizabeth Gray, City Manager)*
14. EXECUTIVE SESSION: Confidential communications between City Council and City Attorney pursuant to 25 O.S. § 307 (B) (4) concerning Oklahoma County Cases CJ-2023-2817 and CJ-2023-2816 under advice of City Attorney that disclosure will seriously impair the ability of the City Council to conduct litigation in the public interest.
 - A. Enter into Executive Session.
 - B. Exit Executive Session.
15. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as "matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda")*.
16. City Attorney's Report.

17. City Manager's Report.
 - A. Financial Report.
18. Mayor and Council Members Comments and Suggestions.
19. Adjourn until November 7, 2023.

BETHANY PUBLIC WORKS AUTHORITY

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2. Consideration and possible approval of permission for TEIM Design to advertise for bids for the ARPA Well and Wellfield Improvement Project. *(Elizabeth Gray, City Manager)*
3. Consideration and possible approval of permission for TEIM Design to advertise for bids for the Bethany Animal Welfare Sanitary Sewer Relocation Project for G. O. Bond Proposition 3-C. *(Elizabeth Gray, City Manager)*
4. Consideration and possible approval of specifications for Water Treatment Plant Lime Sludge Extraction, Hauling, and Disposal and authorize staff to solicit bids. *(Elizabeth Gray, City Manager)*
5. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as "matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda")*.
6. Adjourn until November 7, 2023.

BETHANY HOSPITAL TRUST

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2. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as “matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda”).*
3. Adjourn until November 7, 2023.

BETHANY DEVELOPMENT AUTHORITY

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2. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as “matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda”).*
3. Adjourn until November 7, 2023.

Public Participation Note: The City Council and Staff of the City of Bethany strongly encourages the input and involvement of the citizens to help ensure that the City government provides the highest level of services to meet the public needs and desires. If you have any concerns or comments about an agenda item, or any other issue, please contact the Mayor, your Ward Council Members or City Hall Staff. You may also contact the City Manager's office if you would like to have an item placed on a future agenda to address the Council as a whole. (Guidelines are available in the Council Chambers and in City Hall Lobby.)

NOTICE: On Thursday, September 28, at or before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

BETHANY CITY COUNCIL MEETING

BETHANY CITY HALL

TUESDAY, OCTOBER 3, 2023

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd Jeff Knapp Chris Powell Jeff Knapp Kathy Larsen Peter Plank Steve Palmer Marilyn McPhail Brian Magirowsky	Mayor Vice- Mayor Council Member Council Member Council Member Council Member Council Member Council Member Council Member
MEMBERS ABSENT:	Ken Smart	Council Member
OTHERS PRESENT:	Elizabeth Gray Ray Jones Michael Vaughn Lesa LaMar Steve Manek Jon Wolff (See Roster)	City Manager City Attorney City Clerk/Treasurer Deputy City Clerk TEIM Design Municipal Finance Svc.

ITEM NO. 1 on the agenda Mayor **CALL TO ORDER.**

Mayor Lloyd called the Bethany City Council meeting to order at 6:30 P.M.

ITEM NO. 2 on the agenda was **INVOCATION AND FLAG SALUTE.**

The Invocation was given by Council Member Larsen
The Flag Salute was conducted by Mayor Lloyd.

ITEM NO. 3 on the agenda was **CONSENT DOCKET:**

A. APPROVAL OF MINUTES FROM SEPTEMBER 19, 2023, REGULAR MEETING.

B. APPROVAL OF CLAIMS: THESE CLAIMS HAVE BEEN FOUND TO BE IN ORDER BY STAFF AND PROPER AS TO FORM AND PROCEDURE AND ARE RECOMMENDED FOR PAYMENT. A COPY OF THE CLAIMS.

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve the consent docket. Yes votes: Palmer, Plank, Larsen, McPhail, Powell, Knapp, Lloyd, Magirowsky. No votes: None. Motion approved.

ITEM NO. 4 on the agenda was **PUBLIC COMMENT - ANY PERSON WISHING TO ADDRESS THE COUNCIL DURING PUBLIC COMMENT SHALL GIVE THEIR NAME, ADDRESS, AND CITY OF RESIDENCE TO THE CITY CLERK FOR THE RECORDS PRIOR TO THE START OF THE MEETING. (PER CHAPTER 30 OF THE BETHANY CODE OF ORDINANCES, THERE IS A FIVE-MINUTE LIMIT, AND NO ACTION OR DISCUSSION SHALL TAKE PLACE. ALL REMARKS SHALL BE ADDRESSED TO THE COUNCIL AS A BODY, AND NOT TO ANY MEMBER THEREOF.)**

Michelle Stivers-8308 NW 25th St., Bethany- Storm Drain and speeding.
Beth Blankenship- 7224 NW 30th Terrace, Bethany- water rate increase.
Anthony Garcia- 8309 NW 27th St., Bethany- widen Eagle Lane, 3rd trash pick up, rate increase.

ITEM NO. 5 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1681, A PROGRAMMING RESOLUTION FOR THE ASSOCIATION OF CENTRAL OKLAHOMA GOVERNMENTS SURFACE TRANSPORTATION BLOCK GRANT-URBANIZED AREA 2026-2027 FOR THE NW 36TH AND ROCKWELL MILL AND INLAY, AND SIDEWALK PROJECT. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Magirowksy, seconded by Council Member Larsen to approve Resolution No. 1681. Yes votes: Knapp, Powell, Larsen, Plank, Palmer, Lloyd, McPhail, Magirowsky. No votes: None. Motion approved.

ITEM NO. 6 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF ON CALL SERVICES CONTRACT FOR CONCRETE PAVING, ASPHALT PAVING AND DRAINAGE REPAIR SERVICES TO BREWER CONSTRUCTION OKLAHOMA, LLC FOR THE BID AMOUNT OF \$637,758.00. (ELIZABETH GRAY, CITY MANAGER)**

City Manager Gray explained how this contract will allow for unit costs to be established, so when an issue arises based on the infrastructure identified as needing repairs, the cost can be determined before the actual repair takes place eliminating the need for delays or new quotes. There are also time requirements for the contractor to arrive on site and start the repairs.

A motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve on call services contract for concrete paving, asphalt paving and drainage repair services to Brewer Construction Oklahoma, LLC for the bid amount of \$637,758.00. Yes votes: Knapp, Powell, Larsen, Plank, McPhail, Magirowsky Palmer, Lloyd. No votes: None. Motion approved.

ITEM NO. 7 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF ON CALL SERVICES CONTRACT FOR WATER AND WASTEWATER REPAIR SERVICES TO KRAPFF-REYNOLDS CONSTRUCTION CO. FOR THE BID AMOUNT OF \$1,086.985.00. (ELIZABETH GRAY, CITY MANAGER)**

City Manager Gray explained again how this contract will allow for unit costs to be established, so when an issue arises based on the infrastructure identified as needing repairs, the cost can be determined before the actual repair takes place eliminating the need for delays or new quotes. There are also time requirements for the contractor to arrive on site and start repairs.

A motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve on call services contract for water and wastewater repair services to Krapff-Reynolds Construction Co. for the bid amount of \$1,086,985.00. Yes votes: Knapp, Larsen, Plank, Powell, Palmer, Magirowsky, Lloyd, McPhail. No votes: None. Motion approved.

ITEM NO. 8 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF REVISED PROJECT AGREEMENT WITH THE OKLAHOMA DEPARTMENT OF TRANSPORTATION FOR THE INTERSECTION MODIFICATIONS AND TRAFFIC SIGNALS ALONG SH 66 FROM ASBURY AVENUE TO DONALD AVENUE AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENT ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Larsen, seconded by Council Member Magirowsky to approve a revised project agreement with the Oklahoma Department of Transportation for the intersection modifications and traffic signals along SH66 from Asbury Avenue to Donald Avenue and authorize the mayor to sign the document on behalf of the City of Bethany. Yes votes: Knapp, Larsen, Plank, Powell, Palmer, Lloyd, Magirowsky, McPhail. No votes: None. Motion approved.

ITEM NO. 9 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF AMENDMENT NO. 2 OF THE ENGINEERING CONTRACT WITH TEIM DESIGN FOR THE EMERGENCY ENGINEERING SERVICES PROVIDED DURING THE NW 23RD AND COUNCIL EMERGENCY ON JULY 9, 2023, AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENT ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve Amendment No. 2 of the engineering contract with Teim Design for the emergency engineering services provided during the NW 23rd and Council Emergency on July 9th, 2023, and authorize the mayor to sign the document on behalf of the City of Bethany. Yes votes: Larsen, Plank, Palmer, McPhail, Lloyd, Magirowsky, Powell, Knapp. No votes: None. Motion approved.

ITEM NO. 10 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL TO AWARD DESIGN CONTRACT FOR GENERAL OBLIGATION BOND PROPOSITIONS 2-A ELDON LYON PARK, 2-B RIPPER PARK, 2-C GARRISON PARK, AND 2-D MACRORY PARK TO TEIM DESIGN AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENT ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Larsen, seconded by Council Member Magirowsky to approve award of design contract for General Obligation Bond Propositions 2-A Eldon Lyon Park, 2-B Ripper Park, 2-C Garrison Park, and 2-D Macrory Park to Teim Design and authorize the mayor to sign the document on behalf of the City of Bethany. Yes votes: Larsen, McPhail, Lloyd, Palmer, Plank, Powell, Knapp, Magirowsky. No votes: None. Motion approved.

ITEM NO. 11 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF AMENDMENT NO. 2 AND CHANGE ORDER NO. 1 TO CONSTRUCTION CONTRACT FOR CDBG WATERLINE REPLACEMENT PROJECT ON HOLLOWAY AVENUE FROM NW 36TH STREET TO NW 32ND STREET TO SOUTHWEST WATER WORKS, LLC IN THE AMOUNT OF \$38,123.49. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve Amendment No. 2 and Change Order No. 1 to construction contract for CDBG Waterline Replacement Project on Holloway Ave. from NW 36th St. to NW 32nd St. to Southwest Water Works, LLC in the amount of \$38,123.49. Yes votes: Palmer, Plank, Larsen, Knapp, Magirowsky, McPhail, Powell, Lloyd. No votes: None. Motion approved.

ITEM NO. 12 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF CONSTRUCTION CONTRACT FOR THE POLICE HEADQUARTERS BUILDING ADDITION, GENERAL OBLIGATION BOND PROPOSITION 3-B TO HOLLAND CONSTRUCTION LLC FOR THE BID AMOUNT OF \$358,800.00 AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENT ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve the construction contract for the Police Headquarters building, addition, General Obligation Bond Proposition 3-B to Holland Construction LLC for the bid amount of \$358,800.00 and authorize the mayor to sign the document on behalf of the City of

Bethany. Yes votes: McPhail, Larsen, Palmer, Knapp, Magirowsky, Lloyd, Powell, Plank.
No votes: None. Motion approved.

ITEM NO. 13 on the agenda was **DISCUSSION OF THE 2016 GO BOND MONEY AND LET COUNCIL DECIDE WHAT NEEDS TO BE DONE WITH THE MONEY. (MARILYN MCPHAIL, COUNCIL MEMBER)**

Council Member McPhail reported that there is \$800,000.00 left in the Library Park Fund. She reported the city is paying a 2% interest and it has cost \$103,000.00 in interest. This money is invested with most of the life of this only gaining less than 2% interest and recently changing to 4 % interest bringing in \$25,000. If it is returned to the citizens, it would average approximately 132.40 back on property tax however, the bigger your house the more you will have returned. She reported this would only be a one-year return. The library has requested to use the funds for possibly a laser cutter room with ventilation, security cameras, or ADA compliant restrooms.

City Manager Gray noted that the city has identified the following items from the city that the money could be used for: an ADA accessible restroom, extend the black chain fence to library parking lot, security cameras and an additional play piece if funds allow. She reported the following items from the library that the money could be used for: a laser cutter room with ventilation and filtering system, security cameras outside, a public art piece from the dead oak tree in front of the library, window shades, heat and air improvements, van accessible handicap parking space, ADA handicap rails in the restrooms, step, and wash stools in the bathrooms for the smaller children.

There were many comments on why the money should be used as intended to help with the current needs of the library and the park. This low interest rate will not be seen again anytime in the near future. The amount given back would be equivalent to \$10.00 a month for each property taxpayer for one year rather than doing some of the projects to the park or library.

Motion was made by Council Member McPhail, seconded by Council Member Palmer to give the money back to the citizens. Yes votes: McPhail, Palmer. No votes: Plank, Powell, Magirowsky, Lloyd, Knapp, Larsen. Motion failed.

ITEM NO. 14 on the agenda was **CITY-WIDE PUBLIC WORKS PROJECT UPDATES BY TEIM DESIGN INCLUDING GO BOND, ARPA, AND SH 66 WITH POSSIBLE DISCUSSION. (ELIZABETH GRAY, CITY MANAGER)**

Steve Manek presented a slideshow that is included in the agenda packet for review.

ITEM NO. 15 on the agenda was **PUBLIC HEARING ITEM: UTILITY RATE STUDY PRESENTATION, CONSIDERATION, AND POSSIBLE ACTION REGARDING UTILITY RATES IN THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

A. PRESENTATION BY JON WOLFF WITH MUNICIPAL FINANCIAL SERVICES, INC.

Motion was made by Council Member Palmer, seconded by Council Member McPhail to suspend Ordinance 30.23 B for the purpose of discussion and the public hearing on this agenda item. Yes votes: McPhail, Palmer. No votes: Magirowsky, Powell, Larsen, Plank, Knapp, Lloyd. Motion failed.

Jon Wolff presented a slideshow that covers the needs of the city concerning water and sewer and provided a model for increases needed to meet the city's current operational infrastructural deficiencies. This slideshow is included in the agenda packet for review.

There was much discussion on the rates per average family households, the Bethany-Warr Acres Sewer Treatment plant, and possible sales tax increase. The cost to repair or rebuild the Bethany-Warr Acres Sewer Treatment plant is unknown currently. The possibility of raising sales tax would just drive citizens to shop elsewhere due to Bethany sales tax would be higher than the surrounding area.

B. PUBLIC COMMENT PERTAINING TO UTILITY RATE STUDY PRESENTATION.

Elda Davis, 7219 NW 32nd, Bethany – Mrs. Davis noted that the employees of Bethany receive a 4% raise and that there is a fine to be paid on the Bethany-Warr Acres Sewer Treatment plant. She met with a few Bethany citizens that are against a rate increase. She is concerned about those that use more water paying a higher rate and if water is purchased from Oklahoma City that it would be even more.

C. POSSIBLE DISCUSSION PERTAINING TO UTILITY RATE STUDY PRESENTATION.

D. CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1682, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY ESTABLISHING UTILITY RATES FOR WATER, SEWER, AND SOLID WASTE SERVICES; AND DECLARING AN EFFECTIVE DATE OF NOVEMBER 1, 2023.

Council Member Plank would like to defer the effective date of the rate to January 1, 2024.

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve Resolution No. 1682 with a January 1, 2024, effective date.

Council Member Palmer believes that this is too quick. January 1 would be helpful; however, this needs to be discussed more and given more time.

Council Member McPhail agrees that this is too fast. People are not informed. She believes it needs to be in the newsletter with the proposal tonight and a letter from the City Manager needs to be mailed to all citizens that have a water bill so they can look over it before changes are made. She proposed that all council members give up their yearly salary to help with water bills.

Council Member Plank would like to see the rate increase not affect those on fixed income and single parent homes. He proposes the rate increase be to those using larger amounts of water.

City Manager Gray shares that the base rate is actually lower than the increased percentage to those who have more income or bigger homes. It is lower for those single resident homes.

Council Member Larsen shares that the last 2 or 3 increases did not take care of all the problems that the city has. It has been a band aid. This Resolution will help alleviate such a major decision in the future. She assured the public that this has been publicized.

Council Member Powell requested Council Member Magirowsky to rescind his motion and Council Member Powell would like to make a motion to address the percentage increase and at some point, in the future either later in this meeting or at a future meeting address the specific rate schedule.

Council Member Powell clarified that his proposed motion would be a minimum increase of 3% with a maximum increase of 6% annually beginning in 2025.

Council Member Magirowsky respectfully declined to withdraw his motion.

Mayor Lloyd offered an additional amendment to Council Member Magirowsky's motion changing the residential base including from 1,000 gallons of water to 2,000 gallons of water. This will help the senior citizens and the single parent homes.

Mr. Wolff informed the council that with this motion those using 2,000 gallons of water currently, their bill will go down with the base rate including 2,000 gallons of water.

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to amend his motion to approve Resolution No. 1682 with the effective date of the increase moving to January 1, 2024, and the residential base to include 2,000 gallons. Yes votes: Plank, Magirowsky, Knapp, Larsen, Lloyd. No votes: Powell, McPhail, Palmer. No votes: None. Motion approved.

ITEM NO. 16 on the agenda was **CONSIDERATION AND POSSIBLE ACTION TO APPROVE OR REJECT THE CHARTER REVIEW COMMITTEE PROPOSALS SUBMITTED TO THE COUNCIL FOR REVIEW, IN PART OR IN WHOLE, POSSIBLE ACTION TO RECONVENE THE CHARTER REVIEW COMMITTEE TO REVIEW AND MAKE SUGGESTED CHANGES TO CERTAIN PROPOSALS. (RAY JONES, CITY ATTORNEY & CHRIS POWELL, COUNCIL MEMBER)**

Attorney Ray Jones briefed the council on the Charter Committee proposals. This info is detailed in the agenda packet.

Motion was made by Council Member Palmer, seconded by Council Member McPhail to suspend Ordinance 30.23 B for the purpose of discussion on this agenda item. Yes votes: McPhail, Palmer. No votes: Magirowsky, Powell, Larsen, Plank, Knapp, Lloyd. Motion failed.

Motion was made by Council Member Palmer, seconded by Council Member McPhail to accept section 2-6 and 4-3 and table indefinitely sections 2-2, 2-11, 7-5 and 7-9.1.

Council Member Powell would urge voting down this motion because it would take away the recall provision.

Council Member Palmer pointed out that 100 people in the city could come up with an affidavit to try to get someone recalled with no requirements on having them removed for any reason. This affidavit is then submitted to a petition and the petition is based upon 33% of the people who voted for you. No one voted for Council Member Palmer because he was unopposed.

Attorney Jones recommends that in section 2-11 there needs to be a provision in the charter to make sure that we are compliant with affidavits that are required to be provided under state law with these types of petitions that are circulated to make sure that the proper warnings and notices are placed on them.

Council Member Magirowsky stated that the Charter Review Committee intentionally voted on certain items when 2 members were not present, and this was wrong. Council Member Magirowsky also stated there was malfeasance during that Charter Committee.

Attorney Jones stated that the Charter Review Committee can reform the committee and appoint members at any point and time. The former committee's terms ended one year after they were appointed.

Council Member McPhail asked Council Member Powell why he doesn't fund the petition himself and not involve the council at all.

Council Member Palmer clarified his motion to accept Section 2-6 and 4-3 and reject all others.

Council Member Plank requested Council Member Palmer to consider changing his motion from reject all others to table all others for further discussion within 6 months.

Council Member Palmer stated that is what took place before and there was no action taken by the council a year and a half ago. That is why he uses the word reject in his motion.

Council Member Palmers' motion to accept Section 2-6 and 4-3 and reject all others was seconded by Council Member McPhail. Yes votes: McPhail, Lloyd, Palmer, Plank, Knapp, Magirowsky. No votes: Powell. Abstain: Larsen. Motion approved.

ITEM NO. 17 on the agenda was DISCUSSION REGARDING STAFF REQUEST FOR ZONING ORDINANCE REGARDING SHORT-TERM RENTALS AND POSSIBLE ACTION TO DIRECT THE CITY ATTORNEY TO PREPARE A PROPOSED ORDINANCE TO SUBMIT TO PLANNING AND ZONING. (RAY JONES, CITY ATTORNEY)

Attorney Ray Jones explained our current ordinances and the need for examining our process on short-term rentals. We currently have 8 residences within the city that are operating as a short-term rental. City staff have knowledge of more than 8. There have been complaints about some of these rentals over noise and parking. Who is responsible for these complaints? Our ordinances are vague on these issues. The attorney's recommendation at a minimum is that there needs to be some clarification on permitting the short-term rentals to occur without having to go to seek a variance from the Board of Adjustment.

Motion is made by Council Member Plank, seconded by Council Member Magirowsky to direct the City Attorney to prepare a proposed ordinance to submit to our Planning and Zoning Commission for further study.

Council Member McPhail inquired if the people had been fined or notified that they were violating our ordinances.

Council Member Palmer suggests we enforce what we have now.

Council Member Powell inquired about requiring the rentals to notify their insurance companies.

Motion was amended by Council Member Plank, seconded by Council Member Magirowsky to direct the City Attorney to prepare a proposed ordinance to submit to our Planning and Zoning Commission for further study and direct the City Manager to notify those that are not in compliance while this is being studied by Planning and Zoning. Yes votes: Magirowsky, Powell, McPhail, Plank, Larsen, Lloyd, Knapp, Palmer. No votes: None. Motion approved.

ITEM NO. 18 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS “MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA”)**.

None

ITEM NO. 19 on the agenda was the **CITY ATTORNEY’S REPORT**

Attorney Jones reported he had reviewed the ambulance agreements with Pafford. Completed Carlson Tif agreement. Argued motion to dismiss on Coast-to-Coast civil action. Assisted Staff on the disposition of surplus property.

ITEM NO. 20 on the agenda was the **CITY MANAGER’S REPORT.**

City Manager Gray reported the following:

November 11th is free landfill day from 7:00 a.m. until noon at 7600 SW 15th Street, OKC.

City offices will be closed November 10th for Veterans Day. Make up trash day will be Wednesday, November 8th.

Official Halloween Night is October 31.

ITEM NO. 21 on the agenda was **COUNCIL MEMBERS' ANNOUNCEMENTS, COMMENTS, AND PROPOSALS.**

Each Council Member was given the opportunity to comment.

ITEM NO. 22 on the agenda was **ADJOURN UNTIL OCTOBER 17, 2023.**

Mayor Lloyd adjourned the Bethany City Council meeting at 9:37 P.M.

MAYOR

CITY CLERK

BETHANY CITY COUNCIL

From: Michael Vaughn, Finance Director
Date: October 12, 2023
Subject: Claims List for the 10/17/2023 City Council Meeting

GENERAL OPERATIONS FUND

FUND	AMOUNT
General Operation Fund	\$166,644.57
Public Safety Fund	\$481.00
Capital Improvement Projects	\$524,712.70
Federal Grant Fund	\$164,283.50
2022A GO Bond	\$89,651.00
Municipal Court Fund	\$8,335.13
TOTAL	\$954,107.90

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$954,107.90
Bethany Public Works Authority	\$251,652.77
Bethany Hospital Trust	\$0.00
Bethany Development Authority	\$0.00
TOTAL	\$1,205,760.67

RECOMMENDATION

1. Approve the claims as presented.



FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-48940	10-005216	PERDUE BRANDON FIELDER COLLSEPT 2023	COLLECTION RPT	10/2023	SEPT 2023	851.67
DEPARTMENT TOTAL:						851.67
DEPARTMENT: 01.0		MANAGEMENT				
24-48126	10-004660	MOTHER NATURE'S INC.	PEST INSIDE/OUTSIDE	10/2023	1403805	120.00
24-48170	10-005084	JAN-PRO CLEANING SYSTEMS	CH CLEANING SVC.	10/2023	INV12310	813.00
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	1,451.79
24-48301	10-005373	CARD SERVICES/PI	74 AZUARE MICROSOFT LIC.	10/2023	E0300PAJIO	444.00
24-48403	10-005373	CARD SERVICES/PI	BUS. ADVANTAGE	10/2023	E0300PANCC	512.50
24-48990	10-005373	CARD SERVICES/PI	JOB OPENINGS AD	10/2023	84048094	420.65
24-48194	10-005851	LYTLE, SOULE' & FELTY, P.C.	ATTORNEY MNTLY CONTRACT	10/2023	205859	5,000.00
24-48195	10-005851	LYTLE, SOULE' & FELTY, P.C.	ATTORNEY OUTSIDE CONTRACT	10/2023	205860	2,627.00
24-48809	10-0668	HAYES ELECTRIC	MEN'S RESTROOM LIGHT	10/2023	98108	234.06
24-48875	10-0668	HAYES ELECTRIC	CITY HALL LIGHTS	10/2023	98120	607.70
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	117.80
24-48079	10-2274	OZARKA WATER COMPANY	MO RENTAL/WATER	10/2023	34801069	32.89
24-48588	10-2369	STAN'S PLUMBING INC	CITY HALL WATER SPICKETS	10/2023	20001	116.00
24-48167	10-3196	IMAGENET CONSULTING, LLC	MONTHLY SVC IT	10/2023	INV705704	7,482.50
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	310.00
24-48078	10-4310	AMERIFLEX	FSA ADMIN FEE	10/2023	INV659749	190.80
DEPARTMENT TOTAL:						20,480.69
DEPARTMENT: 02.0		FINANCE				
24-48313	10-0596	FUZZELL'S BUSINESS	SHARP COPIER MAINTENANCE	10/2023	MM96721	9.40
24-48357	10-1715	TYLER TECHNOLOGIES	SMART METERS	10/2023	025-440267	4,245.83
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	310.00
DEPARTMENT TOTAL:						4,565.23
DEPARTMENT: 03.0		COURT				
24-48827	10-004790	HARVEY JANITORIAL SALES	SUPPLIES	10/2023	212128	71.79
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	438.21
24-48342	10-006123	CHRISTOPHER T. STEIN	CITY PROSECUTOR FEE	10/2023	230901	2,970.00
24-48043	10-0596	FUZZELL'S BUSINESS	COPIER MAINTENANCE	10/2023	MM96722	34.57
24-48042	10-2274	OZARKA WATER COMPANY	WATER	10/2023	00353295,0980040	17.90
24-48845	10-3098	TS HEAT AND AIR INC	AIR CONDITIONER	10/2023	222291476	415.00
24-48780	10-3258	CITY OF YUKON	INMATE HOUSING	10/2023	9-23	210.00
24-48041	10-3342	JANI-KING OF OKLAHOMA, INC.	JANITORIAL SERVICE	10/2023	OKC10230117	640.66
DEPARTMENT TOTAL:						4,798.13

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 05.0		POLICE				
24-48969	10-004398	CITY OF OKLAHOMA CITY	FY24 Annual Capital	10/2023	ITPSC-BTHNY-FY24	21,255.00
24-48970	10-004459	AXON ENTERPRISE, INC.	Taser Payment	10/2023	INUS191767	5,838.00
24-48066	10-004660	MOTHER NATURE'S INC.	Spraying for Bugs Monthly	10/2023	1403804	60.00
24-48134	10-004789	TRADS, INC	Monthly Usage	10/2023	SEPT PD 23	75.00
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	1,360.57
24-48934	10-005373	CARD SERVICES/PI	Office Supplies	10/2023	7411453	511.00
24-48096	10-005634	INNOVATIVE SECURITY OF OKLA	Monthly Monitoring Fee	10/2023	655315	19.95
24-48848	10-005645	1.800.RADIATOR & A/C OF OKC	RADIATOR	10/2023	37922683	180.00
24-48739	10-006048	THE COMPLIANCE RESOURCE GRO	Yeager Pension Physical	10/2023	79337	600.00
24-48926	10-006116	GREEN'S DEFENSIVE SOLUTIONS	Red Dot Instructor Course	10/2023	344	675.00
24-48968	10-006134	TURF REEL SHARPENING	Target Frames	10/2023	20231010	1,300.00
24-48679	10-0225	GENUINE PARTS	FLUIDS AND BULBS	10/2023	7092-041797	86.58
24-48847	10-0225	GENUINE PARTS	OIL FILTERS	10/2023	7092-043209	4.00
24-48282	10-1063	OG&E	MNTHLY SVC	10/2023	20231006	23.79
24-48965	10-1196	POSTMASTER	PO Box 1340	10/2023	20231031	354.00
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	6,597.02
24-48631	10-1551	UNITED ENGINES, LLC	Battery for Generator	10/2023	4129237	104.62
24-48405	10-2274	OZARKA WATER COMPANY	Yearly Water for Shelter	10/2023	0978659	9.99
24-48406	10-2274	OZARKA WATER COMPANY	Yealry Water for Range	10/2023	34765087	21.44
24-48060	10-3084	UTILITY DATA SERVICES, INC.	Monthly Minimum Fee	10/2023	104553	12.50
24-48059	10-3342	JANI-KING OF OKLAHOMA, INC.	PD Cleaning	10/2023	OKC10230116	1,774.66
24-48416	10-3415	SPECIAL-OPS UNIFORMS, INC.	Replaces PO 23-47557	10/2023	343667	328.30
24-48892	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM ALTERATIONS	10/2023	343561	45.00
24-48932	10-3415	SPECIAL-OPS UNIFORMS, INC.	Collar Insignia OC Spray	10/2023	343670	265.80
24-48961	10-4352	MCBRIDE CLINIC	PRE-EMPLOY DRUG SCREENS	10/2023	42200	96.00
DEPARTMENT TOTAL:						41,598.22
DEPARTMENT: 06.0		FIRE				
24-48792	10-004408	BOUND TREE MEDICAL	SUCTION UNIT BATTERIES	10/2023	85094149	155.98
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	696.95
24-48986	10-005510	SAMARITAN EMS	EMS SERVICE	10/2023	6523	35,979.50
24-48996	10-005932	LIPPERT BROTHERS, INC.	FIRE DEPT PRECONSTRUCTION	10/2023	20231005	9,000.00
24-48901	10-0143	ASSESSMENT, INC.	PSYCHOLOGICAL EVAL	10/2023	5761	120.00
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	1,900.51
24-48929	10-1622	WESTLAKE ACE HARDWARE	LAWN TOOLS	10/2023	3503757	61.97
24-48966	10-1754	NORTHWEST OKLAHOMA CITY CHA	LEADERSHIP TUITION	10/2023	12512	750.00
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	837.00
24-48284	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM JOB SHIRTS	10/2023	343789	2,104.50
24-48285	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM PANTS	10/2023	342823	584.97
24-48904	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM ITEMS	10/2023	343787	1,217.19
24-48936	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM PANTS	10/2023	343788	396.60
24-48905	10-4251	SAM'S CLUB DIRECT FD	ANNUAL RETIREES TRAINING	10/2023	20230928	293.33
DEPARTMENT TOTAL:						54,098.50

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 07.0 COMMUNITY DEV						
24-48915	10-005671	BOBBY C. MILLER	REIM BOB MILLER	10/2023	20230927	146.50
24-48432	10-005689	CHALLENGER LANDSCAPING AND WEED ABATEMENTS		10/2023	7211 NW 16TH	905.00
24-48987	10-005689	CHALLENGER LANDSCAPING AND FOR NOV ABATEMENTS		10/2023	6816 NW 44	375.00
24-48313	10-0596	FUZZELL'S BUSINESS	SHARP COPIER MAINTENANCE	10/2023	MM96721	9.41
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	589.02
24-48868	10-1530	THE TRIBUNE	PUBLICATION-7211 NW 16TH	10/2023	20230929	85.80
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	310.00
24-48976	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231010	18.00
24-48977	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231010	18.00
24-48978	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231010-	36.00
24-48979	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231009	36.00
24-48980	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231009-	36.00
24-48981	10-3348	COUNTY CLERK OKLA COUNTY	ABATEMENT	10/2023	20231010--	36.00
DEPARTMENT TOTAL:						2,600.73
DEPARTMENT: 08.1 PUBLIC WORKS - ADMIN						
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	454.64
24-48602	10-005373	CARD SERVICES/P1	CODE CLASS	10/2023	94763546	98.00
24-48914	10-005373	CARD SERVICES/P1	MISC SUPPLIES	10/2023	4632268	50.52
DEPARTMENT TOTAL:						603.16
DEPARTMENT: 08.2 PUBLIC WORKS - STREETS						
24-48191	10-004688	TLS GROUP, INC.	MAINTENANCE AGREEMENT	10/2023	1023-1807	480.00
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	450.94
24-48894	10-0225	GENUINE PARTS	FRONT&REARBRAKES&ROTOR	10/2023	7092-043444	132.98
24-48854	10-0591	FRANK BILL'S TRUCKING	25 TONS OF ROCK SALT	10/2023	87365	1,700.00
24-48282	10-1063	OG&E	MNTHLY SVC	10/2023	20231006	14,519.90
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	2,842.94
24-48853	10-1501	T & W TIRE LLC	4 STEER TIRES	10/2023	1090134944	1,634.95
24-48871	10-2123	HOME DEPOT CREDIT SVCS	MARKING PAINT&THINNER	10/2023	026609/3023647	122.72
24-48887	10-2123	HOME DEPOT CREDIT SVCS	HOSE FOR PAINT SPRAYER	10/2023	027145/2025469	36.84
24-48889	10-4255	CRAFCO, INC	YELLOW PAINT FOR PSINTING	10/2023	9403039249	679.80
24-48891	10-4255	CRAFCO, INC	GLASS BEADS	10/2023	9403039251	420.00
24-48910	10-4255	CRAFCO, INC	GLASS BEADS FOR PAINTING	10/2023	9403040758	420.00
DEPARTMENT TOTAL:						23,441.07

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 08.4 PUBLIC WORKS - MAINT						
24-48950	10-005992	AEG PETROLEUM	50/50 ANTIFREEZE	10/2023	832031	162.59
24-48553	10-0071	ANCHOR PAINT CO	PAINT FOR FLEET RESTROOMS	10/2023	48553	90.14
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	412.32
DEPARTMENT TOTAL:						665.05
DEPARTMENT: 08.5 PUBLIC WORKS - PARKS						
24-48189	10-0006	A WELDORS SUPPLY	WELDING TANK RENTAL	10/2023	264071	24.00
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	29.31
24-48317	10-005350	FORCE PERSONNEL	TEMP HELP FOR PARKS	10/2023	75250	1,361.46
24-48601	10-005350	FORCE PERSONNEL	TEMP HELP FOR PARKS	10/2023	75836	5,796.00
24-48974	10-005350	FORCE PERSONNEL	TEMP HELP	10/2023	75816	3,700.75
24-48893	10-0225	GENUINE PARTS	2 BATTERY UNIT #55	10/2023	7092-043443	253.62
24-48282	10-1063	OG&E	MNTHLY SVC	10/2023	20231006	168.02
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	1,517.83
24-48895	10-1622	WESTLAKE ACE HARDWARE	ROPE FOR BIG TRASH	10/2023	3503749	47.98
24-48930	10-1622	WESTLAKE ACE HARDWARE	CLOROX & NOZZLE SPRAYER	10/2023	3503756	43.15
DEPARTMENT TOTAL:						12,942.12
FUND TOTAL:						166,644.57

FUND: 021- PUBLIC SAFETY FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 99.0		NON-DEPARTMENTAL				
24-48049	10-004789	TRADS, INC	SEPT 2023	10/2023	SEPT 2023	170.00
24-48312	10-1715	TYLER TECHNOLOGIES	NOTIFICATION CALLS	10/2023	025-440910	311.00
DEPARTMENT TOTAL:						481.00
FUND TOTAL:						481.00

FUND: 031- CAPITAL IMPROVE PROJECTS

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 40.0		PROJECTS >\$25,000				
24-48982	10-005341	OKLAHOMA DEPARTMENT OF TRANSH-66	DONALD/ASBURY	10/2023	36349 (04)	507,401.70
24-48503	10-005900	TEIM DESIGN GROUP, PLLC	CRSAA MILL OVERLAY RKWEL	10/2023	12258	6,672.25
24-48515	10-005900	TEIM DESIGN GROUP, PLLC	AMDMT #2 CDBG HOLLOWAY	10/2023	12226	10,638.75
DEPARTMENT TOTAL:						524,712.70
FUND TOTAL:						524,712.70

FUND: 035- FEDERAL GRANT FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 40.0		Sewer Project				
24-48513	10-005900	TEIM DESIGN GROUP, PLLC	ARPA PENIEL WASTEWATER	10/2023	12262	160,241.50
DEPARTMENT TOTAL:						160,241.50
DEPARTMENT: 42.0		Automated Meter Project				
24-48512	10-005900	TEIM DESIGN GROUP, PLLC	ARPA METER AUTOMATION	10/2023	12266	4,042.00
DEPARTMENT TOTAL:						4,042.00
FUND TOTAL:						164,283.50

FUND: 045- 2022A GO BOND ISSUE

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 40.0		Projects				
24-48500	10-005900	TEIM DESIGN GROUP, PLLC	PROP 3B POLICE RENOVATION	10/2023	12267	47,668.50
24-48521	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1H- NW25 TO NW 30TH	10/2023	12224	1,592.50
24-48522	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1F-MUELLER/44 TO 50	10/2023	12229	815.75
24-48523	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1G-DIVIS/36 TO 39	10/2023	12228	2,022.25
24-48524	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1E 30/ RKWELL/PENIEL	10/2023	12230	746.00
24-48759	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1D PENIEL/39TH/42ND	10/2023	12231	1,991.00
24-48763	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1 A/B 23RD/RKWELL	10/2023	12238	34,815.00
DEPARTMENT TOTAL:						89,651.00
FUND TOTAL:						89,651.00

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-48937	10-1869	CLEET	SEPT 2023 CLEET REPORT	10/2023	SEPT 2023	2,849.05
24-48938	10-1970	OSBI	SEPT 2023 AFIS REPORT	10/2023	SEPT 2023	2,813.19
24-48939	10-1970	OSBI	SEPT 2023 FORENSIC RPT	10/2023	SEPT 2023	2,647.89
24-48941	10-4235	OKLA BUREAU OF NARCOTICS	SEPT 2023 OBN REPORT	10/2023	SEPT 2023	25.00
DEPARTMENT TOTAL:						8,335.13
FUND TOTAL:						8,335.13
GRAND TOTAL:						1,205,760.67

Agenda: 10/17/2023

Item: 6

BPWA Agenda: 2

**BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY**

From: Elizabeth Gray, City Manager
Date: October 17, 2023
Subject: Request Permission to Advertise for Bids for the ARPA Well and Wellfield Improvement Project

BACKGROUND

The City of Bethany received a direct appropriation from the state legislature of \$4.6 million for the purpose of increasing water production and capacity, to make improvements to the wells and well-field in the City of Bethany.

On February 21, 2023, the City of Bethany approved a contract with TEIM design for Engineering services for the project.

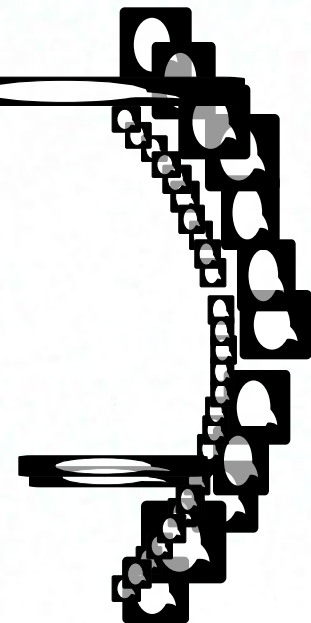
TEIM Design now requests permission to advertise for bids. Construction plans have been submitted to the Oklahoma Department of Environmental Quality for review and permitting, and once they are approved the plans will be advertised for bids.

RECOMMENDATION

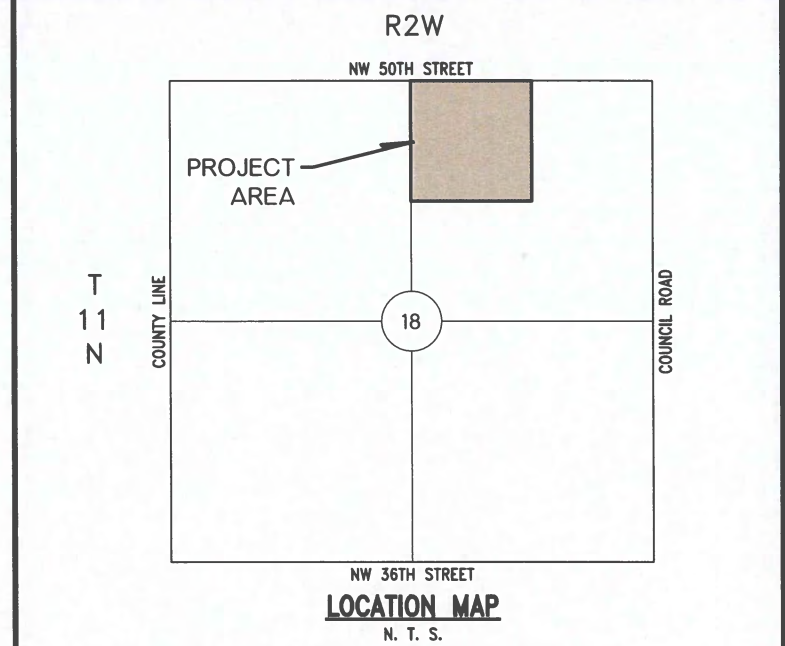
1. Approve permission to advertise for bids for the ARPA Well and Wellfield Improvement Project.

ADDITIONAL COMMENTS





CITY OF BETHANY WELL FIELD REHABILITATION AND IMPROVEMENTS



The City of
BETHANY, OKLAHOMA
NIKKI LLOYD, Mayor
ELIZABETH GRAY, City Manager

COUNCIL MEMBERS:

AMANDA SANDOVAL	Ward 1	MARILYN MCPHAIL	Ward 3
CHRIS POWELL	Ward 1	KATHY LARSEN	Ward 3
MATTHEW GOODWIN	Ward 2	BRIAN MAGIROWSKY	Ward 4
STEVE PALMER	Ward 2	JEFF KNAPP	Ward 4

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
0001	TITLE SHEET
AC01	SUMMARY OF PAY QUANTITIES AND NOTES
AC02	CONSTRUCTION NOTES
AC03	LEGEND
C001	PROJECT LOCATION MAP
C002-C005	BASE BID PLAN SHEETS
C006-C012	ALTERNATE NO. 1 PLAN SHEETS
C013-C015	ALTERNATE NO. 2 PLAN SHEETS
C016	ALTERNATE NO. 3 PLAN SHEET
D001	WELL DETAIL SHEET
ER01	STORMWATER POLLUTION PREVENTION PLAN CITY OF OKLAHOMA CITY STANDARDS

ONE CALL UTILITY LOCATION NUMBER
840-5032
1-800-522-6543

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

Patrick James Garrett
PATRICK JAMES GARRETT, P.E.
REGISTERED PROFESSIONAL ENGINEER
CA# 8428 EXPIRES JUNE 30, 2023

8-25-2023
DATE

CONSTRUCTION MUST BEGIN WITHIN SIX (6) MONTHS FROM THE DATE OF APPROVAL, OR THAT APPROVAL IS WITHDRAWN

APPROVED BY:
ROBERT DON WILLIAMS, P.E.
CITY ENGINEER

DATE

PREPARED BY



3020 N.W. 149th STREET
OKLAHOMA CITY, OKLAHOMA
(405) 752-1122 FAX (405) 752-8855

FOR PERMITTING
NOT FOR CONSTRUCTION

CITY OF BETHANY WELL FIELD REHABILITATION AND IMPROVEMENTS (BASE BID)				
Item No.	Description	Units	PAY ITEM NOTES	Quantity
1	EROSION AND SEDIMENT CONTROL	LSUM		1
2	MOBILIZATION	LSUM		1
3	UTILITY LOCATION SERVICES	LSUM	12	1
4	4-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF	1	82
5	4-INCH X 45° BEND (MJ)	EA		2
6	MEGALUG 2004PV	EA		4
7	6-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF		60
8	6-INCH GATE VALVE AND BOX (MJ)	EA		2
9	6-INCH X 45° BEND (MJ)	EA		2
10	MEGALUG 2006PV	EA		11
11	8-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF		375
12	8-INCH X 6-INCH REDUCER (MJ)	EA		3
13	8-INCH X 45° BEND (MJ)	EA		3
14	8-INCH WYE (MJ)	EA		2
15	MEGALUG 2008PV	EA		14
16	6-FOOT CHAIN LINK FENCE WITH ACCESS GATES	LF	2	226
17	SOLID SLAB SODDING	SY		925
18	DRILL, CONSTRUCT, DEVELOP AND TEST NEW WELL (WELLS 8, 17, 18)	EA	3	3
19	WELL CONTROLS, ELECTRICAL, SCADA (WELLS 8, 17, 18)	EA	4	3
20	ABANDON WELL (WELLS 8, 17, 18)	EA	5	3
21	REHABILITATE WELL NO. 2	LSUM	6	1
22	REHABILITATE WELL NO. 5	LSUM	6	1
23	REHABILITATE WELL NO. 9	LSUM	6	1
24	REHABILITATE WELL NO. 15	LSUM	6	1
25	REHABILITATE WELL NO. 16	LSUM	6	1
26	REHABILITATE WELL NO. 25	LSUM	6	1
27	REHABILITATE WELL NO. 212	LSUM	6	1
28	REHABILITATE WELL NO. 213	LSUM	6	1
29	REHABILITATE WELL HOUSE	EA	7	11

CITY OF BETHANY WELL FIELD REHABILITATION AND IMPROVEMENTS (ALTERNATE 2)				
ITEM NO.	DESCRIPTION	UNITS	PAY ITEM NOTES	QUANTITY
1	EROSION AND SEDIMENT CONTROL	LSUM		1
2	MOBILIZATION	LSUM		1
3	UTILITY LOCATION SERVICES	LSUM	12	1
4	CONSTRUCTION STAKING	LSUM		1
5	GPS AS-BUILT SURVEY	LSUM		1
6	CLEARING AND GRUBBING	LSUM		1
7	DRILL, CONSTRUCT, DEVELOP AND TEST NEW WELL (WELL 27)	EA	3	1
8	WELL CONTROLS, ELECTRICAL, SCADA (WELL 27)	EA	4	1
9	REHABILITATE WELL HOUSE (WELL 27)	EA	7	1
10	ABANDON WELL (WELL 27)	EA	5	1
11	4-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF	1	80
12	4-INCH X 45° BEND (MJ)	EA		2
13	MEGALUG 2004PV	EA		4
14	6-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF		1100
15	6-INCH X 11.25° BEND (MJ)	EA		3
16	MEGALUG 2006PV	EA		6
17	ABANDON WATERLINE	LSUM		1
18	6-FOOT CHAIN LINK FENCE WITH ACCESS GATES	LF	2	220
19	SOLID SLAB SODDING	SY		675

CITY OF BETHANY WELL FIELD REHABILITATION AND IMPROVEMENTS (ALTERNATE 1)				
ITEM NO.	DESCRIPTION	UNITS	PAY ITEM NOTES	QUANTITY
1	EROSION AND SEDIMENT CONTROL	LSUM		1
2	MOBILIZATION	LSUM		1
3	UTILITY LOCATION SERVICES	LSUM	12	1
4	CONSTRUCTION STAKING	LSUM		1
5	GPS AS-BUILT SURVEY	LSUM		1
6	CLEARING AND GRUBBING	LSUM		1
7	DRILL, CONSTRUCT, DEVELOP AND TEST NEW WELL (WELL 26)	EA	3	1
8	WELL CONTROLS, ELECTRICAL, SCADA (WELL 26)	EA	4	1
9	ABANDON WELL (WELL 26)	EA	5	1
10	REHABILITATE WELL HOUSE (WELL 26)	EA	7	1
11	16-INCH STEEL CASING BY BORE	LF		75
12	4-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF	1	75
13	4-INCH X 45° BEND (MJ)	EA		2
14	MEGALUG 2004PV	EA		4
15	6-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF	8	220
16	6-INCH GATE VALVE AND BOX (MJ)	EA		2
17	6-INCH X 45° BEND (MJ)	EA		1
18	6-INCH X 22.5° BEND (MJ)	EA		1
19	6-INCH WYE (MJ)	EA		1
20	6-INCH SOLID SLEEVE	EA		1
21	MEGALUG 2006PV	EA		12
22	8-INCH WATERLINE (PVC) AWWA C900 (DR14)	LF	11	4220
23	8-INCH X 6-INCH REDUCER (MJ)	EA		1
24	8-INCH GATE VALVE AND BOX (MJ)	EA		1
25	8-INCH X 45° BEND (MJ)	EA	11	7
26	8-INCH X 22.5° BEND (MJ)	EA		1
27	8-INCH X 11.25° BEND (MJ)	EA		5
28	8-INCH X 6-INCH WYE (MJ)	EA		1
29	MEGALUG 2008PV	EA	11	29
30	ABANDON WATERLINE	LSUM		1
31	6-FOOT CHAIN LINK FENCE WITH ACCESS GATES	LF	2	275
32	SOLID SLAB SODDING	SY		5625

CITY OF BETHANY WELL FIELD REHABILITATION AND IMPROVEMENTS (ALTERNATE 3)				
ITEM NO.	DESCRIPTION	UNITS	PAY ITEM NOTES	QUANTITY
1	EROSION AND SEDIMENT CONTROL	LSUM		1
2	MOBILIZATION	LSUM		1
3	ABANDON WELL (WELLS 215, 26, 27)	EA	9	3
4	REMOVE WELL HOUSE AND APPURTENANCES (WELLS 215, 26, 27)	EA	10	3
5	ABANDON WATERLINE	LSUM		1
6	SOLID SLAB SODDING	SY		300

PAY ITEM NOTES:

- COST TO INCLUDE ALL ITEMS NECESSARY TO CONNECT NEW WELL TO EXISTING PIPING INSIDE WELL HOUSE.
- COST TO INCLUDE TWO 6 FOOT GATES (FOR 12 FOOT OPENING) FOR VEHICLE ACCESS TO WELL SITE FOR OPERATIONS AND MAINTENANCE OF WELL.
- COST TO INCLUDE ALL ITEMS NECESSARY FOR INSTALLATION OF NEW WELL, I.E CASING, PUMP, PIPING, DEVELOPMENT AND TESTING.
- COST TO INCLUDE ALL ITEMS NECESSARY FOR OPERATION OF WELL.
- COST TO INCLUDE PULLING PUMP, PIPING AND BACKFILL OF EXISTING WELL.
- REFER TO SPECIFICATIONS. INCLUDES VIDEO INSPECTION, CLEANING OF WELL CASING AND REPAIRS TO ENSURE PROPER FUNCTION OF WELL.
- REFER TO SPECIFICATIONS, INCLUDES MAINTENANCE AND UPKEEP OF EXITING WELL HOUSES TO ENSURE PROPER FUNCTION AND SECURITY OF WELL HOUSES.
- QUANTITY INCLUDES TO CONNECT NEW TRANSMISSION MAIN TO EXISTING WELL HOUSE 26 AND 215 PIPING.
- COST TO INCLUDE REMOVAL OF PUMPS, MOTORS, PIPING AND APPURTENANCES. PUMPS AND MOTORS TO BE DELIVERED TO CITY OF BETHANY WATER TREATMENT PLANT ALL OTHER ITEMS TO BE LEGALLY DISPOSED OF BY CONTRACTOR.
- INCLUDES DEMOLITION AND REMOVAL OF EXISTING WELL HOUSE, LEGAL DISPOSAL OF REMNANTS, AND REMEDIATION OF SITE.
- QUANTITY INCLUDES ITEMS FOR CONNECTION OF ALTERNATE NO. 1 TRANSMISSION MAIN TO EXISTING TRANSMISSION MAIN.
- PAY ITEM FOR LOCATING EXISTING TRANSMISSION LINE FOR PLACEMENT OF NEW TRANSMISSION LINE. EXISTING TRANSMISSION LINE TO BE ABANDONED IN PLACE.

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 08-23-2023
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THE CITY OF BETHANY
**CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS**

CIVIL
SUMMARY OF PAY QUANTITIES



SHEET NO.
AC01
SHEET 02 OF 22

GENERAL CONSTRUCTION NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CITY OF OKLAHOMA CITY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL "CALL OKIE" AT 811 STATEWIDE OR 1-800-522-6543 OUT OF STATE FOR INFORMATION ON UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- UNDERGROUND UTILITY LINES DEPICTED IN THESE DRAWINGS HAVE BEEN DEVELOPED FROM INFORMATION PROVIDED BY THE OWNER AND OTHER SOURCES. NEITHER THE OWNER NOR THE ENGINEER TAKE RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING ANY CONSTRUCTION OR DIGGING OPERATIONS WITHIN THE AREA OF THESE DRAWINGS, A FIELD VERIFICATION AND PHYSICAL EXAMINATION OF THE WORK LIMITS SHALL BE MADE BY THE CONTRACTOR. THE CONTRACTOR SHOULD ASSUME THAT ADDITIONAL UNDERGROUND LINES DO EXIST AND ARE NOT SHOWN ON THESE DRAWINGS. THE LOCATIONS, BOTH HORIZONTAL AND VERTICAL, SHOWN ON THESE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL "CALL OKIE" FOR COORDINATION AND ASSISTANCE IN LOCATING UNDERGROUND LINES.
- CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST ALSO OBTAIN A PERMIT FROM ODEQ (FORM 605-002A) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION. A COPY OF THE EROSION CONTROL PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST. POSSIBLE RUBBLE AND DEBRIS MAY BE ENCOUNTERED DURING EXCAVATION. ALL UNSUITABLE BACKFILL MATERIALS SHALL BE REMOVED AND LEGALLY DISPOSED OF.
- ALL DEBRIS AND OTHER MATERIALS OF ANY NATURE NOT USED IN THIS CONTRACT MUST BE LEGALLY DISPOSED OF, OFFSITE.
- CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE O.D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS REQUIRED FOR COMPLETION OF THE PROJECT. ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES WHICH ARE SHOWN WITH EITHER TYPE "A" OR TYPE "C" LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLAN. LANE CLOSINGS SHALL BE COORDINATED WITH THE CITY OF BETHANY. NO ADDITIONAL PAYMENT, INCIDENTAL CONSTRUCTION.
- THE DENSITY REQUIREMENTS FOR THE PROJECT ARE 90% STANDARD PROCTOR FOR UNPAVED AREAS AND 95% STANDARD PROCTOR FOR PAVED AREAS.
- CONTRACTOR SHALL FOLLOW OSHA GUIDELINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES, FENCES, AND LANDSCAPING NOT SHOWN TO BE REMOVED AND SHALL BE RESPONSIBLE FOR THE COST OF ANY REPAIRS TO THESE ITEMS UPON COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING PIPING, CONDUITS, AND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF ALL MEASUREMENTS BEFORE CONSTRUCTING ANY PERMANENT STRUCTURE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH SURFACE AND SUB-SURFACE CONDITIONS.
- ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEMS WHICH ARE QUALIFIED FOR PAYMENT.
- ALL WORK SHALL BE DONE IN A NEAT AND ORDERLY FASHION BY SKILLED WORKMEN. ALL WORK WILL REQUIRE INSPECTION TO INSURE ACCEPTABLE CONSTRUCTION.
- THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR STORM WATER PERMIT REGULATIONS AND STORM WATER EROSION AND SEDIMENT CONTROL PROCEDURES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO CONSTRUCTION.
- ALL REMOVE AND RESET SIGNS TO BE INCIDENTAL CONSTRUCTION. MINIMUM 6 INCH DIAMETER, 3 FEET DEEP, 3000PSI CONCRETE.
- ALL ADDITIONAL WORK NOT CLASSIFIED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL CONSTRUCTION.

GENERAL CONSTRUCTION NOTES (ROADWAY)

- THE CONTRACTOR IS RESPONSIBLE AT NO COST TO THE CITY TO REPAIR ALL DAMAGE TO ROADWAY WITHIN THE PROJECT LIMITS AS SHOWN ON SHEET AC03. THE REPAIR DETAIL IS SHOWN ON SHEET D001.
- THE PAVEMENT CUT AND PERMANENT REPAIR (ASPHALT) IS INCIDENTAL CONSTRUCTION. THERE IS NO PAY ITEM FOR THIS WORK.

ODEQ NOTES

IN ACCORDANCE WITH OAC 252:626-19-2(B), REMOVE ALL STONES FOUND IN THE TRENCH TO A DEPTH OF AT LEAST 6 INCHES BELOW THE BOTTOM OF THE PIPE

IN ACCORDANCE WITH OAC 252:626-19-2(B), SEPARATION OF WATER MAINS FROM CONTAMINATION SOURCES MUST MEE THE FOLLOWING STANDARDS

HORIZONTAL SEPARATION

MEASURE THE SEPARATION DISTANCE EDGE TO EDGE. LOCATE WATER MAINS A LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER LINES. LOCATE WATER MAINS AT LEAST 5 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED STORM SEWERS, RAW WATER LINES, PETROLEUM PRODUCT LINES, NATURAL GAS LINES, AND OTHER BURIED UTILITY LINES. LOCATED CAST IRON WATERLINES AT LEAST 10 FEET FROM ANY GASOLINE STORAGE TANK AND LINES AND PVC WATER LINES AT LEAST 50 FEET HORIZONTALLY FROM ANY GASOLINE STORAGE TANKS AND LINES. LOCATE WATERLINE AT LEAST 15 FEET FROM ALL PARTS OF SEPTIC TANKS AND ABSORPTION FIELDS OR OTHER SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

VERTICAL SEPARATION

MEASURE THE SEPARATION DISTANCE FROM EDGE TO EDGE. LAY WATERLINE CROSSING SEWER LINES TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 24 INCHES BETWEEN THE WATER MAIN AND THE SEWER LINE. ARRANGE THE PIPING SO THAT JOINTS IN A 20-FOOT LENGTH OF PVC OF 18-FOOT LENGTH OF CAST IRON SEWER PIPE WO;; BE EQUIDISTANCE FROM THE WATER MAIN. WHERE A WATER MAIN CROSSES UNDER A SEWER PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN. MAINTAIN A 2-FOOT VERTICAL SEPARATION BETWEEN WATERLINES AND ANY EXISTING OR PROPOSED STORM SEWERS, RAW WATER LINES, PETROLEUM PRODUCT LINES, NATURAL GAS LINES, AND OTHER BURIED UTILITY LINES.

SPECIAL CONDITION

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED IN (1) AND (2) OF THIS SUBSECTION, DESIGN AND CONSTRUCT THE OTHER LINE EQUAL TO WATER PIPE AND PRESSURE TEST IT TO ASSURE WATER TIGHTNESS OF JOINT ADJACENT TO THE WATER LINE PRIOR TO BACKFILLING.

IN ACCORDANCE WITH OAC 252:626-19-3(B)(6), THE LOWEST OUTLET SHALL BE INSTALLED NO LESS THAN 18 INCHES ABOVE THE SURROUNDING GRADE AND THE OPERATION NUT HIGHER THAN 4- FEET ABOVE GRADE.

IN ACCORDANCE WITH OAC 252:626-19-9(E), TEST THE INSTALLED PIPE FOR LEAKAGE IN ACCORDANCE WITH AWWA STANDARD SPECIFICATION. LEAKAGE MUST NOT EXCEED 10 GAL/INCH DIAMETER PER MILE OF PIPE PER 24 HOURS AT 150 PSI TESTING PRESSURE.

IN ACCORDANCE WITH OAC 252:626-19-2(F), DISINFECT ALL WATERLINES ACCORDING TO AWWA STANDARD SPECIFICATIONS. OBTAIN SAFE BACTERIOLOGICAL SAMPLES ON TWO CONSECUTIVE DAYS BEFORE PLACING THE WATERLINE INTO SERVICE.

IN ACCORDANCE WITH OAC 252:626-19-9(J), INSTALL METAL TRACER WIRE ON ALL NON-FERROUS PIPING USED FOR PUBLIC WATER SUPPLY MAINS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

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THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 CONSTRUCTION NOTES



SHEET NO.
 AC02
 SHEET 03 OF 22

LINETYPE LEGEND

BLOCK LEGEND

HATCH LEGEND

LINETYPE LEGEND		BLOCK LEGEND		HATCH LEGEND			
EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED		
FILTER FABRIC SILT FENCE		CONCRETE PAD		BENCHMARK		ROCK RIPRAP	
EROSION CALLOUTS		WATERS EDGE		BUILDING-ROOF DRAIN		ROCK BACKFILL	
CALLOUTS		BARB WIRE FENCE		CONTROL POINT		AGGREGATE BASE	
CONTOUR		CHAINLINK FENCE		ELECTRICAL-AIR CONDITION		GRAVEL	
CONTOUR		METAL FENCE		ELECTRICAL RISER		CONCRETE PAVEMENT	
BUILDING LIMIT		PLASTIC FENCE		ELECTRICAL-TRANSFORMER		ASPHALT PAVEMENT	
PERMANENT EASEMENT		WOOD FENCE		FIRE HYDRANT		PAVEMENT REPAIR	
TEMPORARY EASEMENT		DITCH FLOWLINE		FIRE CONNECTION		CASING	
EASEMENT CALLOUTS	<i>OWNER NAME</i>	GUARDRAIL		FIRE CONNECTION w/STROBE		STRUCTURES	
PROPERTY LINE		MAJOR CONTOUR		FITTING - CAP			
PROPERTY LOTS		CONTOUR CALLOUTS	<i>ELEVATION</i>	FITTING - PLUG			
PROPERTY PIN		MINOR CONTOUR		GAS METER			
RIGHT OF WAY		RAILROAD		GAS VALVE			
TEMPORARY RIGHT OF WAY		RETAINING WALL		GUY ANCHOR			
SECTION LINE		TOP OF BANK		HIGHWAY-INTERSTATE			
QUARTER SECTION LINE		TOE OF SLOPE		HIGHWAY-US			
SIXTEENTH SECTION LINE		RIPRAP		HIGHWAY-STATE			
PROPERTY SECTION CALLOUTS	SEC-T-N	SAWCUT		LIGHT POLE DOUBLE ARM			
PROPERTY SECTION CALLOUTS	<i>SECTION TEXT</i>	SIGNAGE		LIGHT LANDSCAPING			
PROPERTY CALLOUTS	<i>PROPERTY OWNERS</i>	TOPO CALLOUTS		LIGHT POLE SINGLE ARM			
ASPHALT ROAD		TREES		LIGHT POLE-STADIUM			
CONCRETE ROAD		TREE OVERHANG		LIGHT POLE-QUAD ARM			
DIRT ROAD		TREE PROTECTION ZONE		MAILBOX			
GRAVEL ROAD		SIDEWALK		MANHOLE-ELECTRICAL			
GROUND LINE		CABLE LINE		MANHOLE-SANITARY SEWER			
GROUND LINE CALLOUTS	<i>TEXT</i>	ELECTRIC LIGHTS		MANHOLE-STORM SEWER			
CROSS SECTION GROUND LINE		OVERHEAD ELECTRIC					
CROSS SECTION GROUND LINE CALLOUTS	<i>TEXT</i>	POWER UNDERGROUND					
ROADWAY STRIPING		GAS LINE					
PROPERTY HATCH		OIL PIPELINE					
ALIGNMENTS		TELEPHONE UNDERGROUND					
CENTER OF EASEMENT ALIGNMENT		FIBER OPTIC					
ROADWAY CALLOUTS	STREET NAME	UTILITY CALLOUTS	<i>TEXT</i>				
SANITARY SEWER-PLAN		ABANDONED WATER LINE					
SANITARY SEWER STRUCTURES		WATER APPURTENANCES					
SANITARY SEWER HATCH		FIRELINE					
SANITARY SEWER CALLOUTS		WATER PIPE FITTINGS					
STEEL CASING		IRRIGATION LINE					
STORM SEWER FLOWLINE		WATER PIPE-PLAN					
STORM SEWER PIPE		WATER PIPE-PROFILE					
STORM SEWER STRUCTURES		WATER HATCH					
STORM SEWER HATCH		WATER SERVICE					
STORM SEWER CALLOUTS		WATER LINE CALLOUTS					
BENCHMARK CALLOUTS	<i>TEXT</i>	TABLE OUTLINE					
GEOTECH BORE		TABLE TEXT					
SURVEY CONTROL							
SURVEY CONTROL CALLOUTS							
MONUMENT							
MONUMENT TEXT	<i>TEXT</i>						
TOPO							
BUILDING							
BUILDING FOOTING							
BUILDING SERVICE							
BUILDING OVERHANG							
BRIDGE							
BREAKLINE							
CABLE BARRIER							

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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 DATE: 08-23-2023
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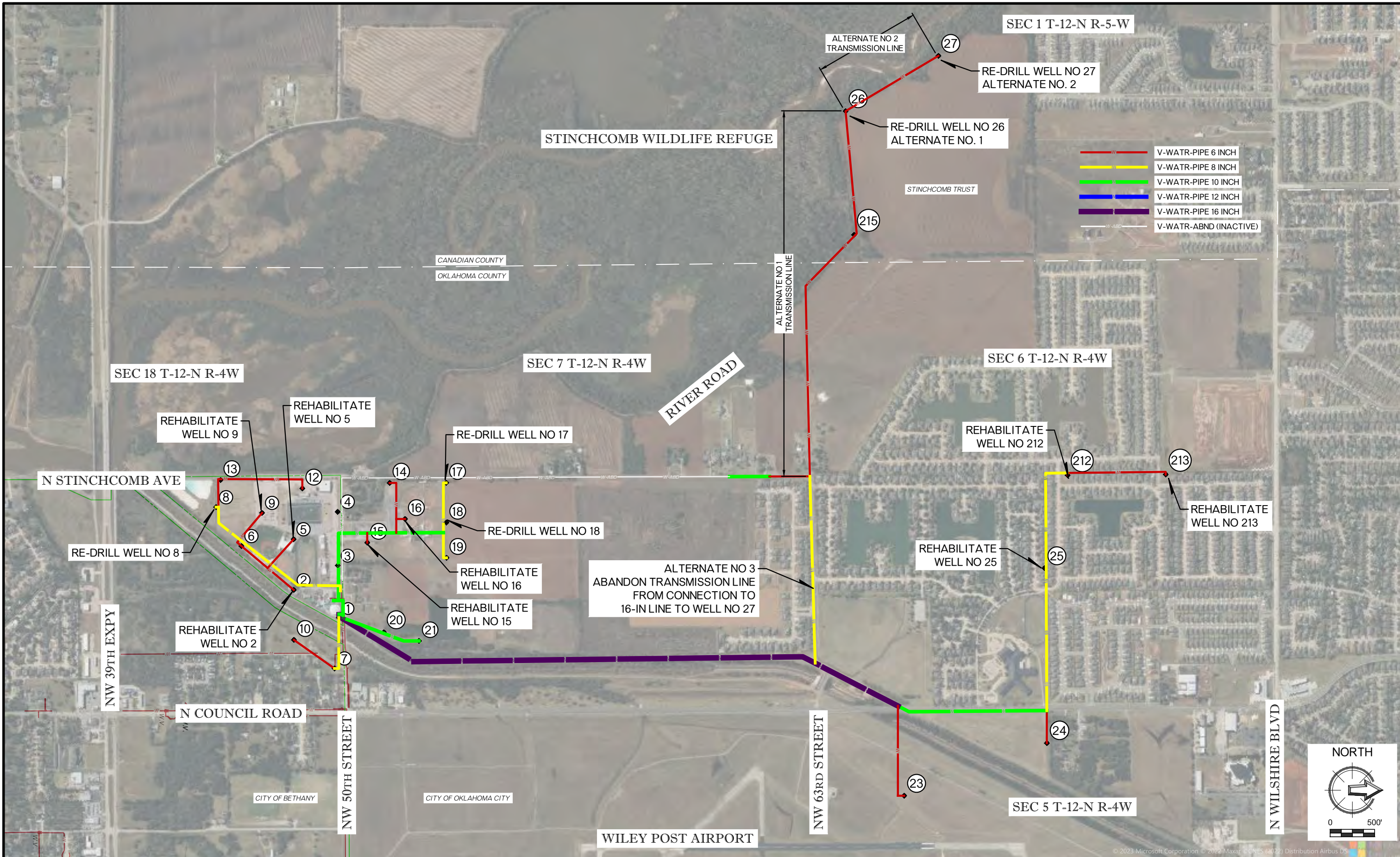


THE CITY OF BETHANY
**CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS**

GENERAL
 LEGEND



SHEET NO.
AC03
 SHEET 04 OF 22



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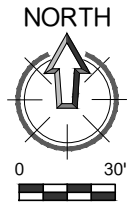
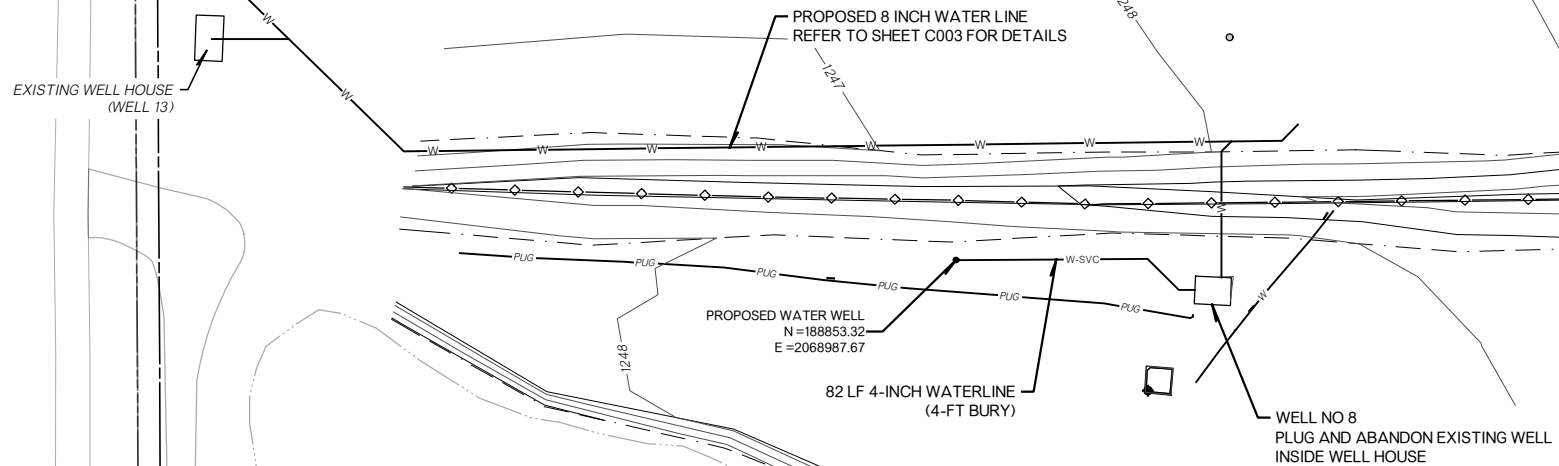
THE CITY OF BETHANY
**CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS**

CIVIL
OVERALL PROJECT LOCATION MAP



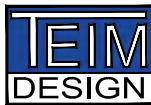
SHEET NO.
C001
 SHEET 05 OF 22

CONTRACTOR TO LOCATE EXISTING TRANSMISSION LINE BETWEEN WELL 13 AND WELL 8 BEFORE CONSTRUCTING NEW TRANSMISSION LINE. EXISTING LINE TO BE ABANDONED.



REV. NO.	DATE	DRWN	CHKD	REMARKS

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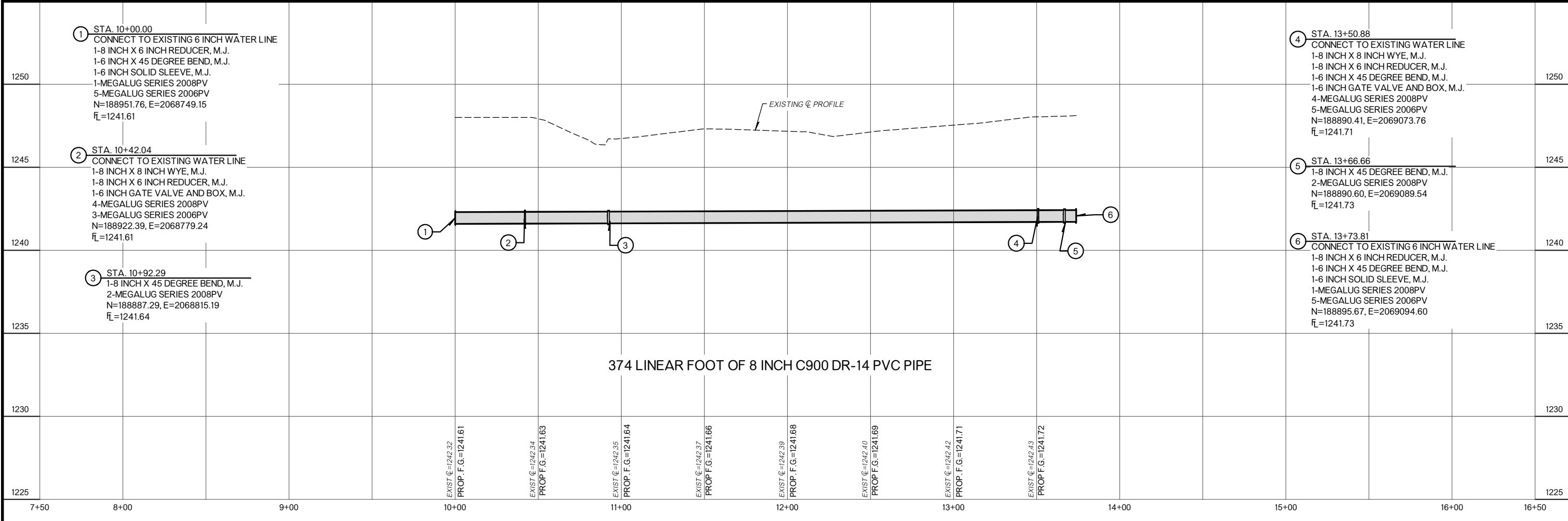
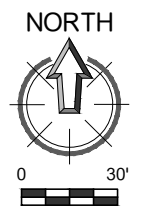
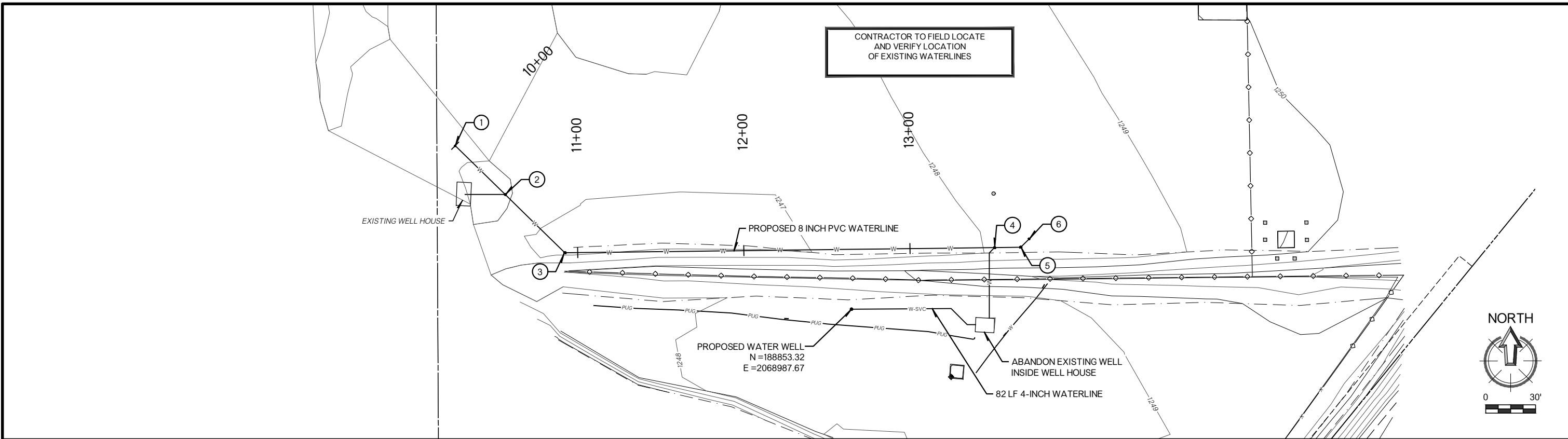
THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL NO 8 SITE PLAN
 BASE BID



SHEET NO.
 C002
 SHEET 06 OF 22

CONTRACTOR TO FIELD LOCATE
AND VERIFY LOCATION
OF EXISTING WATERLINES



① STA. 10+00.00
CONNECT TO EXISTING 6 INCH WATER LINE
1-8 INCH X 6 INCH REDUCER, M.J.
1-6 INCH X 45 DEGREE BEND, M.J.
1-6 INCH SOLID SLEEVE, M.J.
1-MEGALUG SERIES 2008PV
5-MEGALUG SERIES 2006PV
N=188951.76, E=2068749.15
FL=1241.61

② STA. 10+42.04
CONNECT TO EXISTING WATER LINE
1-8 INCH X 8 INCH WYE, M.J.
1-8 INCH X 6 INCH REDUCER, M.J.
1-6 INCH GATE VALVE AND BOX, M.J.
4-MEGALUG SERIES 2008PV
3-MEGALUG SERIES 2006PV
N=188922.39, E=2068779.24
FL=1241.61

③ STA. 10+92.29
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=188887.29, E=2068815.19
FL=1241.64

④ STA. 13+50.88
CONNECT TO EXISTING WATER LINE
1-8 INCH X 8 INCH WYE, M.J.
1-8 INCH X 6 INCH REDUCER, M.J.
1-6 INCH X 45 DEGREE BEND, M.J.
1-6 INCH GATE VALVE AND BOX, M.J.
4-MEGALUG SERIES 2008PV
5-MEGALUG SERIES 2006PV
N=188890.41, E=2069073.76
FL=1241.71

⑤ STA. 13+66.66
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=188890.60, E=2069089.54
FL=1241.73

⑥ STA. 13+73.81
CONNECT TO EXISTING 6 INCH WATER LINE
1-8 INCH X 6 INCH REDUCER, M.J.
1-6 INCH X 45 DEGREE BEND, M.J.
1-6 INCH SOLID SLEEVE, M.J.
1-MEGALUG SERIES 2008PV
5-MEGALUG SERIES 2006PV
N=188895.67, E=2069094.60
FL=1241.73

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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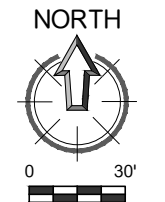
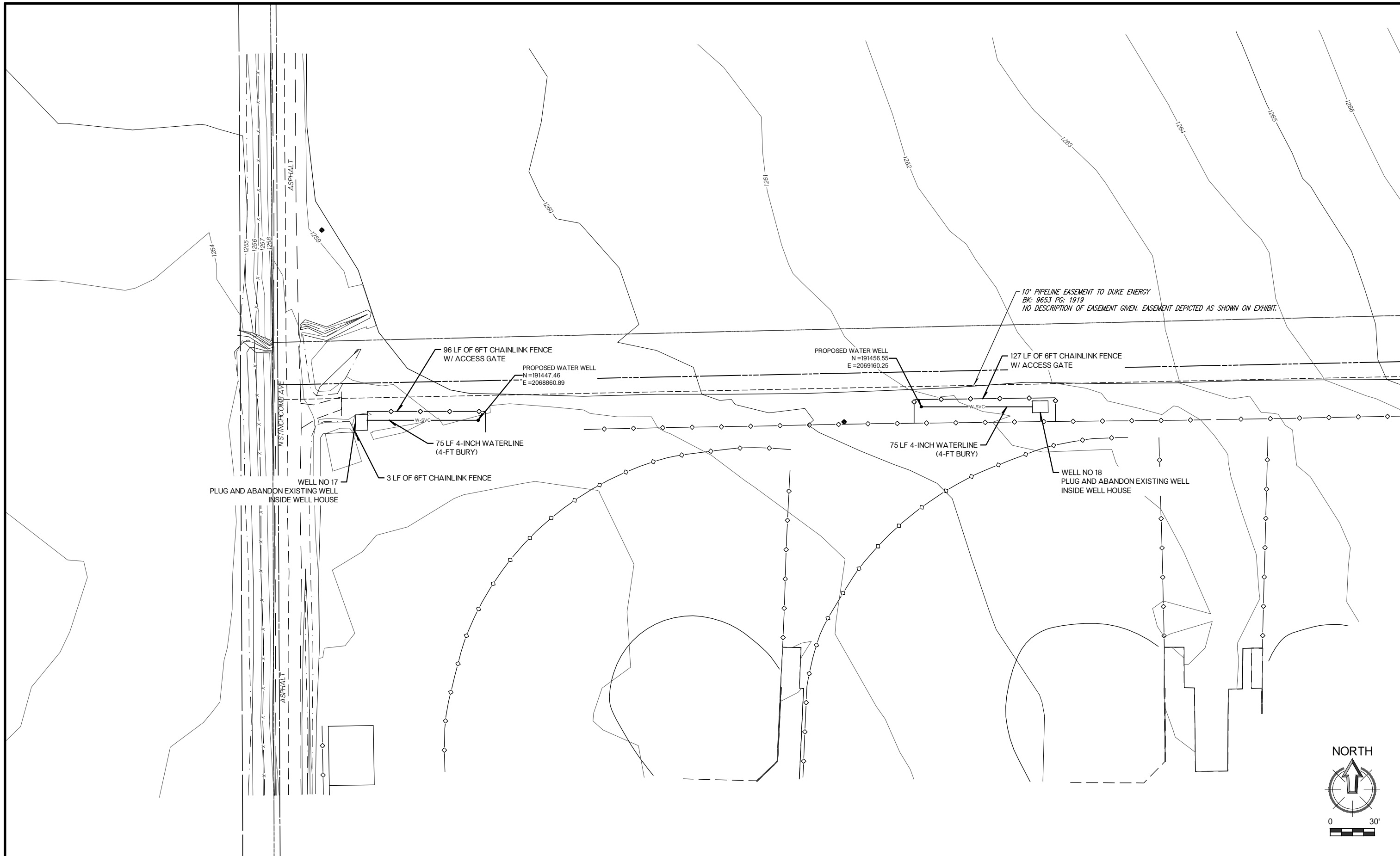
THE CITY OF BETHANY
CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS

CIVIL
WELL NO 8 WATER LINE
PLAN AND PROFILE
BASE BID



SHEET NO.
C003
SHEET 07 OF 22

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THE CITY OF BETHANY
**CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS**

CIVIL
**WELL NO 17 & 18 SITE PLAN
 BASE BID**



SHEET NO.
C004
 SHEET 08 OF 22

REHABILITATION TO INCLUDE:
 PRE AND POST VIDEO INSPECTION, CHEMICAL/MECHANICAL CLEANING, FLOW TESTING AND
 REINSTALLATION OF PUMP AND APPURTENANCES. MAY ALSO INCLUDE ELECTRICAL UPGRADES
 AS WELL AS BUILDING REPAIRS. REFER TO SPECIFICATIONS FOR COMPLETE BREAKDOWN.

STINCHCOMB WILDLIFE REFUGE

SEC 1 T-12-N R-5-W

CANADIAN COUNTY
 OKLAHOMA COUNTY

STINCHCOMB TRUST

SEC 18 T-12-N R-4W

SEC 7 T-12-N R-4W

SEC 6 T-12-N R-4W

RIVER ROAD

REHABILITATE WELL NO 9

REHABILITATE WELL NO 5

REHABILITATE WELL NO 212

REHABILITATE WELL NO 213

N STINCHCOMB AVE

REHABILITATE WELL NO 16

REHABILITATE WELL NO 15

REHABILITATE WELL NO 25

NW 39TH EXPY

REHABILITATE WELL NO 2

N COUNCIL ROAD

NW 50TH STREET

NW 63RD STREET

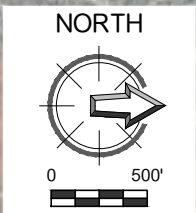
N WILSHIRE BLVD

SEC 5 T-12-N R-4W

CITY OF BETHANY

CITY OF OKLAHOMA CITY

WILEY POST AIRPORT



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REV. NO.	DATE	DRWN	CHKD	REMARKS

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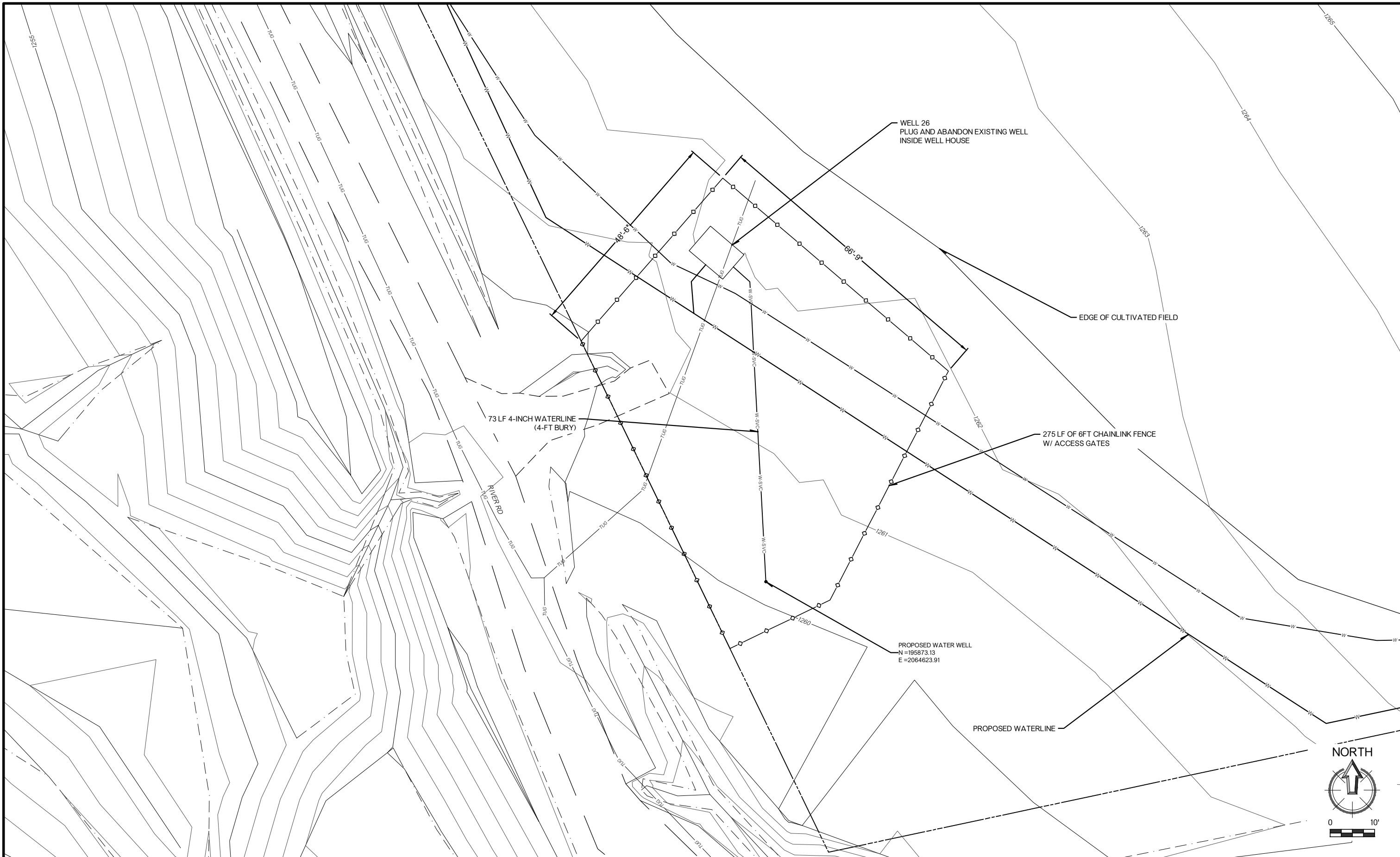


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL REHABILITATION LOCATION MAP
 BASE BID



SHEET NO.
 C005
 SHEET 09 OF 22



REV. NO.	DATE	DRWN	CHKD	REMARKS

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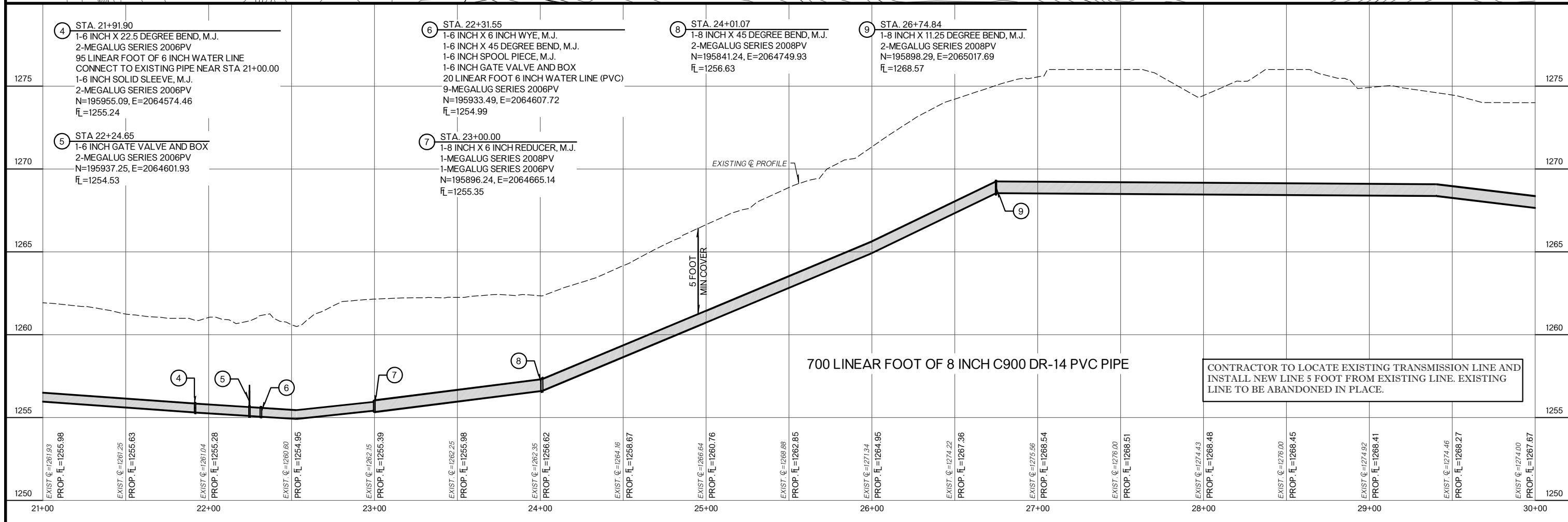
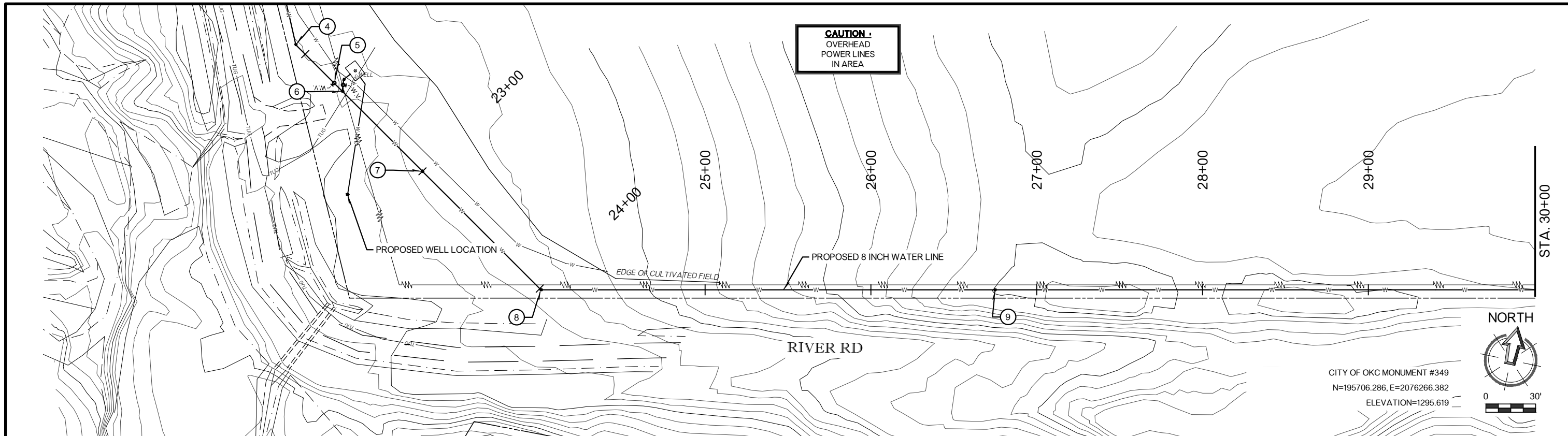


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL NO 26 SITE PLAN
 ALTERNATE NO. 01



SHEET NO.
C006
 SHEET 10 OF 22



④ STA. 21+91.90
 1-6 INCH X 22.5 DEGREE BEND, M.J.
 2-MEGALUG SERIES 2006PV
 95 LINEAR FOOT OF 6 INCH WATER LINE
 CONNECT TO EXISTING PIPE NEAR STA 21+00.00
 1-6 INCH SOLID SLEEVE, M.J.
 2-MEGALUG SERIES 2006PV
 N=195955.09, E=2064574.46
 fl=1255.24

⑤ STA 22+24.65
 1-6 INCH GATE VALVE AND BOX
 2-MEGALUG SERIES 2006PV
 N=195937.25, E=2064601.93
 fl=1254.53

⑥ STA. 22+31.55
 1-6 INCH X 6 INCH WYE, M.J.
 1-6 INCH X 45 DEGREE BEND, M.J.
 1-6 INCH SPOOL PIECE, M.J.
 1-6 INCH GATE VALVE AND BOX
 20 LINEAR FOOT 6 INCH WATER LINE (PVC)
 9-MEGALUG SERIES 2006PV
 N=195933.49, E=2064607.72
 fl=1254.99

⑦ STA. 23+00.00
 1-8 INCH X 6 INCH REDUCER, M.J.
 1-MEGALUG SERIES 2008PV
 1-MEGALUG SERIES 2006PV
 N=195896.24, E=2064665.14
 fl=1255.35

⑧ STA. 24+01.07
 1-8 INCH X 45 DEGREE BEND, M.J.
 2-MEGALUG SERIES 2008PV
 N=195841.24, E=2064749.93
 fl=1256.63

⑨ STA. 26+74.84
 1-8 INCH X 11.25 DEGREE BEND, M.J.
 2-MEGALUG SERIES 2008PV
 N=195898.29, E=2065017.69
 fl=1268.57

STATION	EXIST. @	PROF. fl
21+00	1261.93	1255.98
21+25	1261.25	1255.63
21+50	1261.04	1255.28
22+00	1260.80	1254.95
22+25	1262.15	1255.39
22+50	1262.25	1255.98
23+00	1262.35	1256.62
23+25	1264.16	1258.67
23+50	1266.64	1260.76
24+00	1268.85	1262.85
24+25	1271.34	1264.95
24+50	1274.22	1267.36
25+00	1275.56	1268.54
25+25	1276.00	1268.51
25+50	1274.43	1268.48
26+00	1276.00	1268.45
26+25	1274.92	1268.41
26+50	1274.46	1268.27
27+00	1274.00	1267.67

REV. NO.	DATE	DRWN	CHKD	REMARKS

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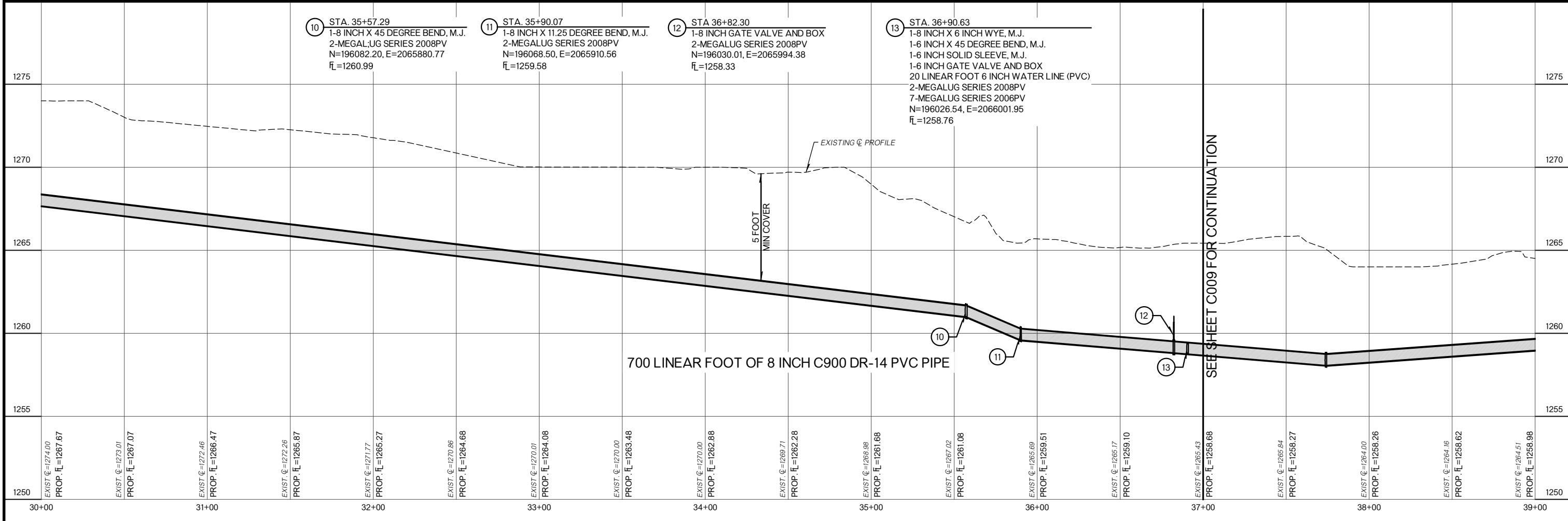
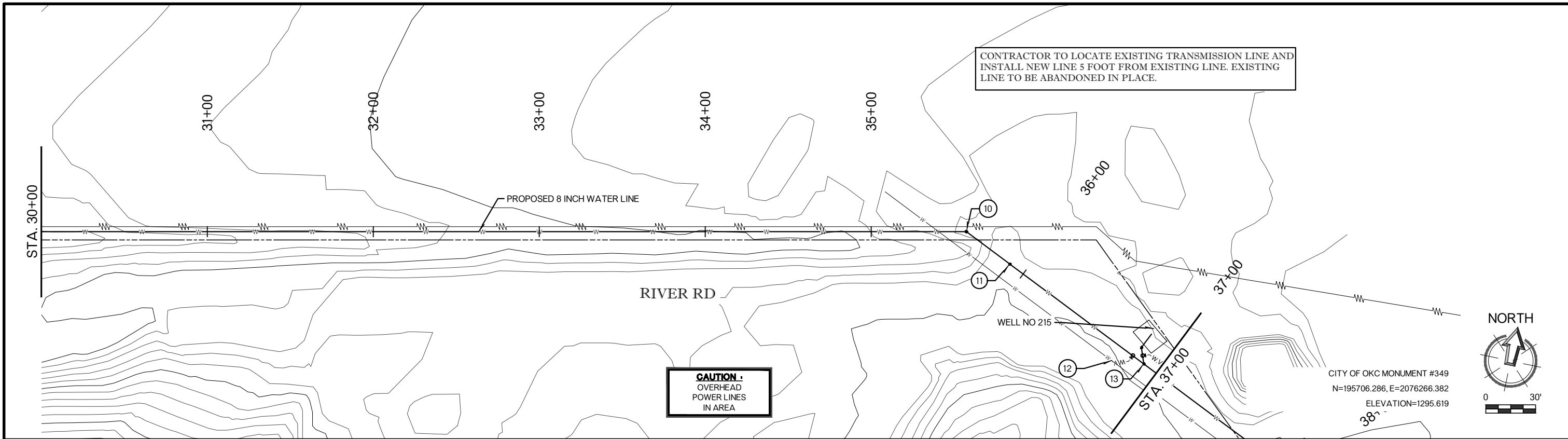


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 PROPOSED TRANSMISSION LINE
 PLAN AND PROFILE
 ALTERNATE NO. 1



SHEET NO.
 C007
 SHEET 11 OF 22



- 10 STA. 35+57.29
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=196082.20, E=2065880.77
f_L=1260.99
- 11 STA. 35+90.07
1-8 INCH X 11.25 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=196068.50, E=2065910.56
f_L=1259.58
- 12 STA 36+82.30
1-8 INCH GATE VALVE AND BOX
2-MEGALUG SERIES 2008PV
N=196030.01, E=2065994.38
f_L=1258.33
- 13 STA. 36+90.63
1-8 INCH X 6 INCH WYE, M.J.
1-6 INCH X 45 DEGREE BEND, M.J.
1-6 INCH SOLID SLEEVE, M.J.
1-6 INCH GATE VALVE AND BOX
20 LINEAR FOOT 6 INCH WATER LINE (PVC)
2-MEGALUG SERIES 2008PV
7-MEGALUG SERIES 2006PV
N=196026.54, E=2066001.95
f_L=1258.76

1250	EXIST. G. = 1274.00 PROP. P. = 1267.67	30+00	EXIST. G. = 1273.01 PROP. P. = 1267.07	31+00	EXIST. G. = 1272.46 PROP. P. = 1266.47	EXIST. G. = 1272.26 PROP. P. = 1265.87	32+00	EXIST. G. = 1271.77 PROP. P. = 1265.27	EXIST. G. = 1270.86 PROP. P. = 1264.68	33+00	EXIST. G. = 1270.01 PROP. P. = 1264.08	EXIST. G. = 1270.00 PROP. P. = 1263.48	34+00	EXIST. G. = 1270.00 PROP. P. = 1262.88	EXIST. G. = 1269.71 PROP. P. = 1262.28	35+00	EXIST. G. = 1269.98 PROP. P. = 1261.68	EXIST. G. = 1267.02 PROP. P. = 1261.08	36+00	EXIST. G. = 1265.69 PROP. P. = 1259.51	EXIST. G. = 1265.17 PROP. P. = 1259.10	37+00	EXIST. G. = 1265.43 PROP. P. = 1258.68	EXIST. G. = 1265.84 PROP. P. = 1258.27	38+00	EXIST. G. = 1264.00 PROP. P. = 1256.26	EXIST. G. = 1264.16 PROP. P. = 1256.62	39+00	EXIST. G. = 1264.51 PROP. P. = 1256.98
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REV. NO.	DATE	DRWN	CHKD	REMARKS

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THE CITY OF BETHANY
CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS

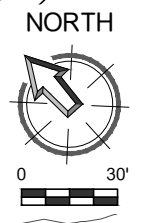
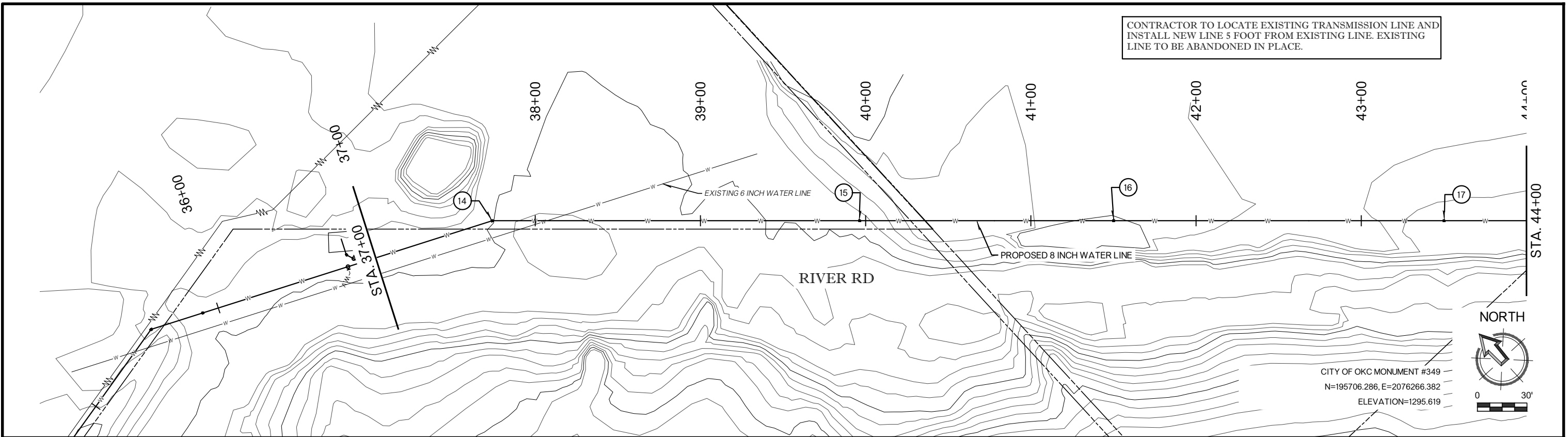
CIVIL
PROPOSED TRANSMISSION LINE
PLAN AND PROFILE
ALTERNATE NO. 1



SHEET NO.
C008
SHEET 12 OF 22

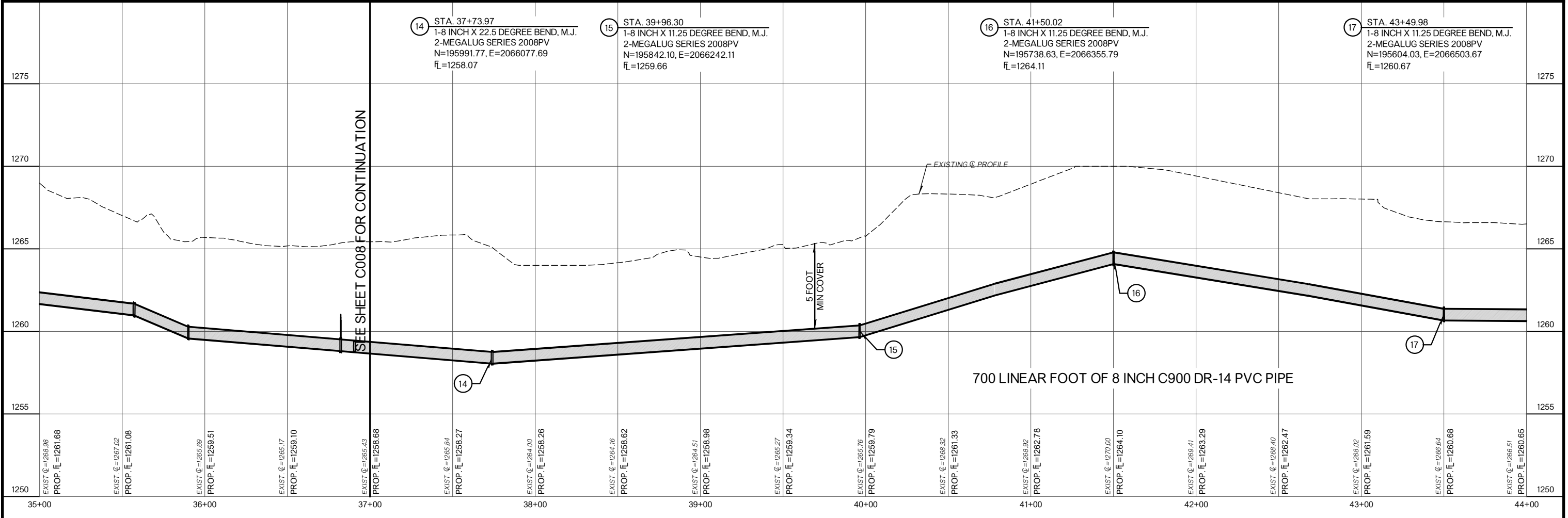
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CONTRACTOR TO LOCATE EXISTING TRANSMISSION LINE AND
INSTALL NEW LINE 5 FOOT FROM EXISTING LINE. EXISTING
LINE TO BE ABANDONED IN PLACE.



CITY OF OKC MONUMENT #349
N=195706.286, E=2076266.382
ELEVATION=1295.619

- 14 STA. 37+73.97
1-8 INCH X 22.5 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195991.77, E=2066077.69
fL=1258.07
- 15 STA. 39+96.30
1-8 INCH X 11.25 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195842.10, E=2066242.11
fL=1259.66
- 16 STA. 41+50.02
1-8 INCH X 11.25 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195738.63, E=2066355.79
fL=1264.11
- 17 STA. 43+49.98
1-8 INCH X 11.25 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195604.03, E=2066503.67
fL=1260.67



REV. NO.	DATE	DRWN	CHKD	REMARKS

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DATE: 08-23-2023
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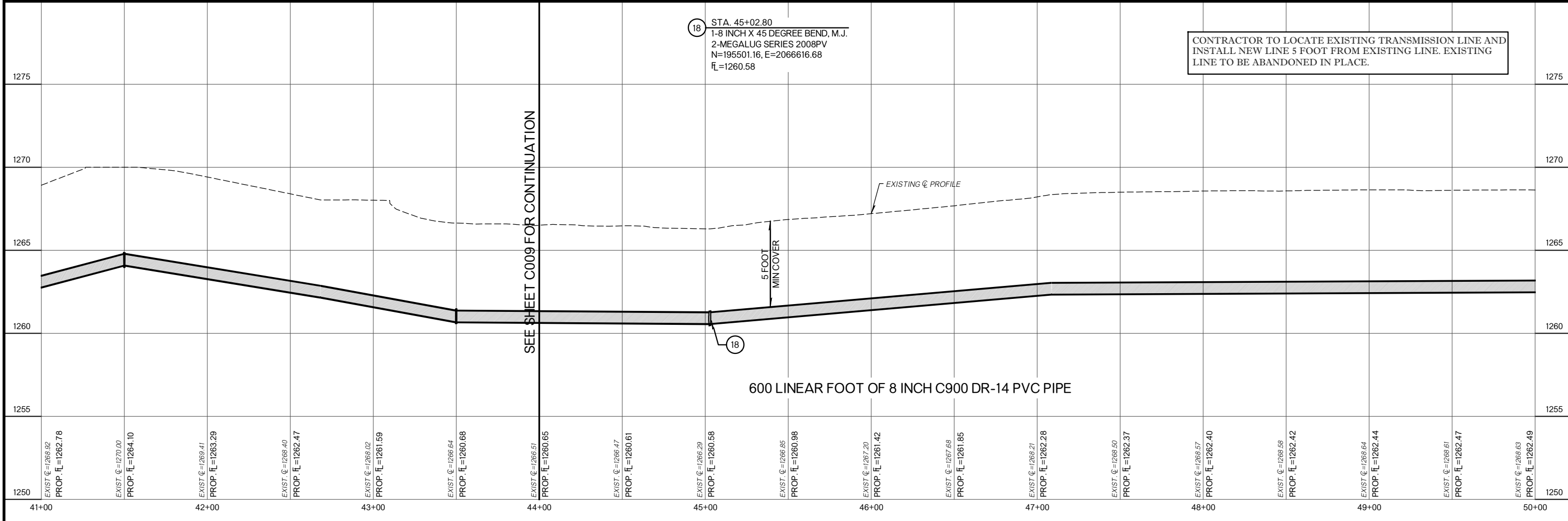
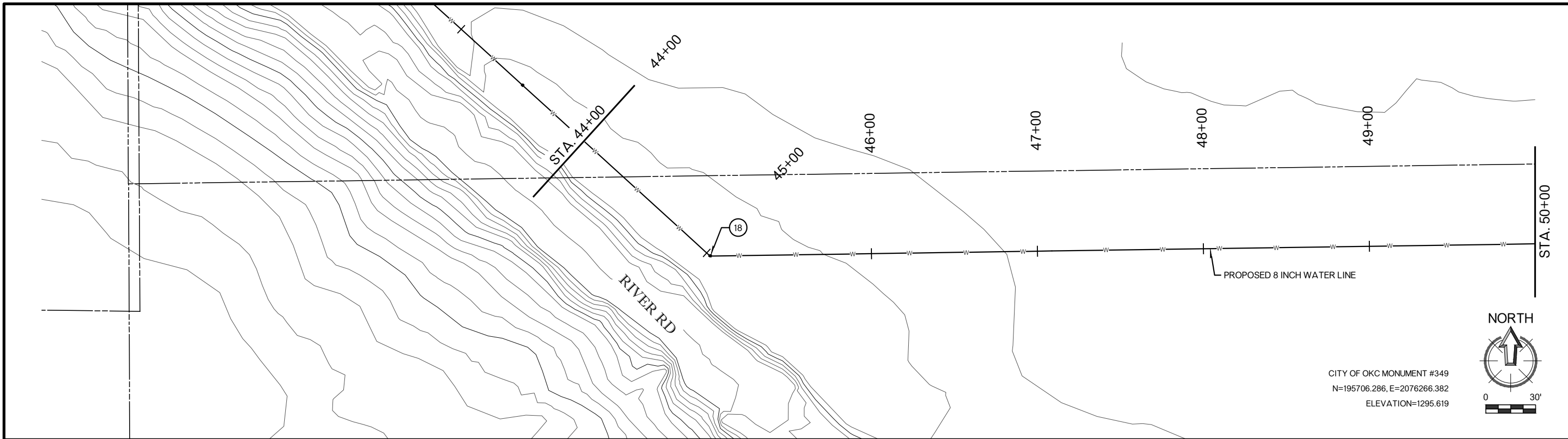
THE CITY OF BETHANY
CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS

CIVIL
PROPOSED TRANSMISSION LINE
PLAN AND PROFILE
ALTERNATE NO. 1



SHEET NO.
C009
SHEET 13 OF 22

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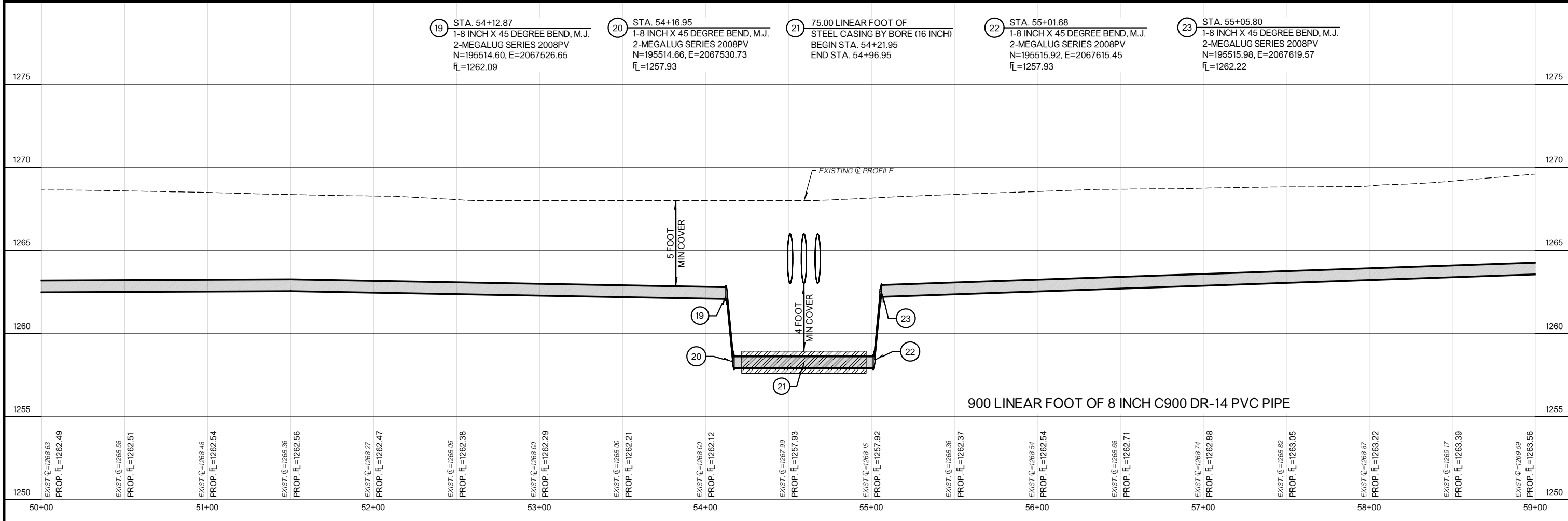
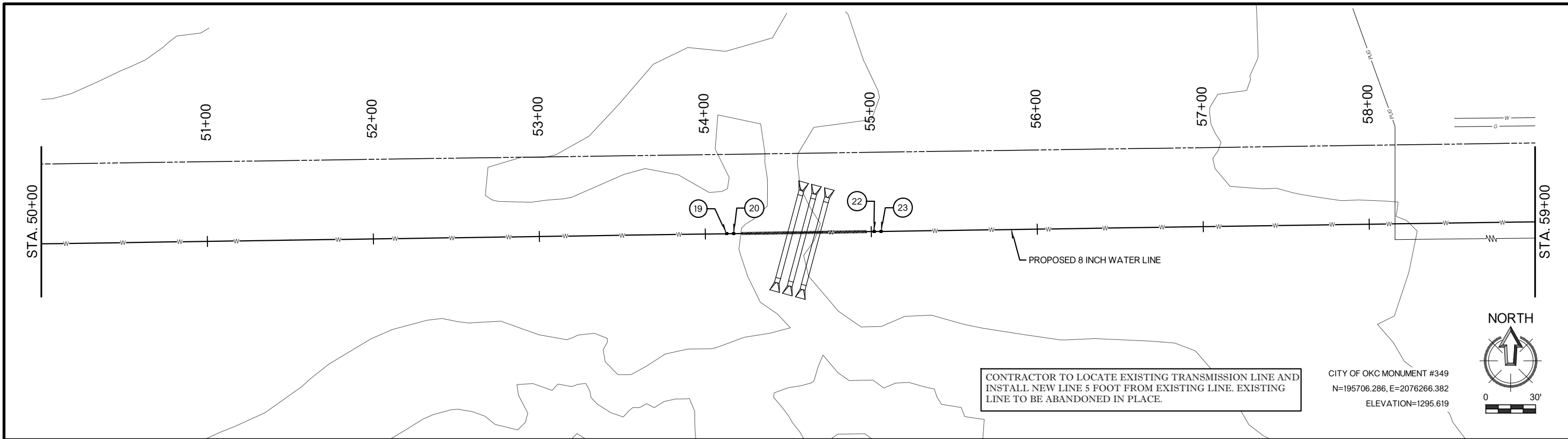
THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 PROPOSED TRANSMISSION LINE
 PLAN AND PROFILE
 ALTERNATE NO. 1



SHEET NO.
C010
 SHEET 14 OF 22

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- 19 STA. 54+12.87
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195514.60, E=2067526.65
f_L=1262.09
- 20 STA. 54+16.95
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195514.66, E=2067530.73
f_L=1257.93
- 21 75.00 LINEAR FOOT OF
STEEL CASING BY BORE (16 INCH)
BEGIN STA. 54+21.95
END STA. 54+96.95
- 22 STA. 55+01.68
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195515.92, E=2067615.45
f_L=1257.93
- 23 STA. 55+05.80
1-8 INCH X 45 DEGREE BEND, M.J.
2-MEGALUG SERIES 2008PV
N=195515.98, E=2067619.57
f_L=1262.22

REV. NO.	DATE	DRWN	CHKD	REMARKS

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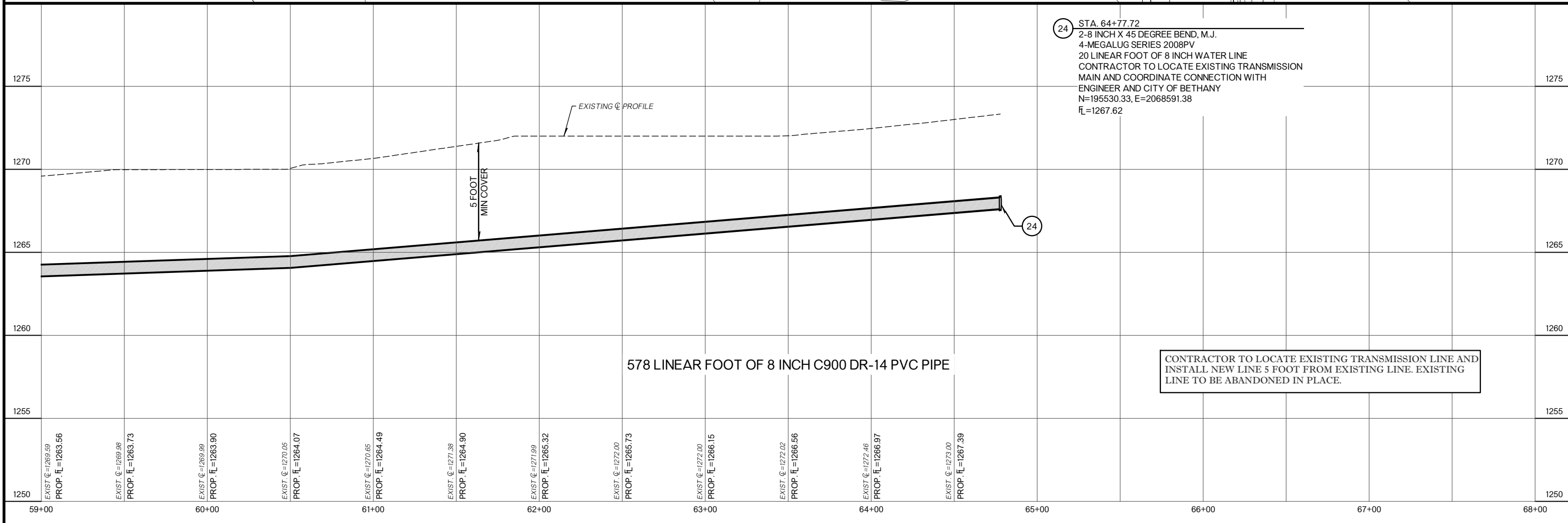
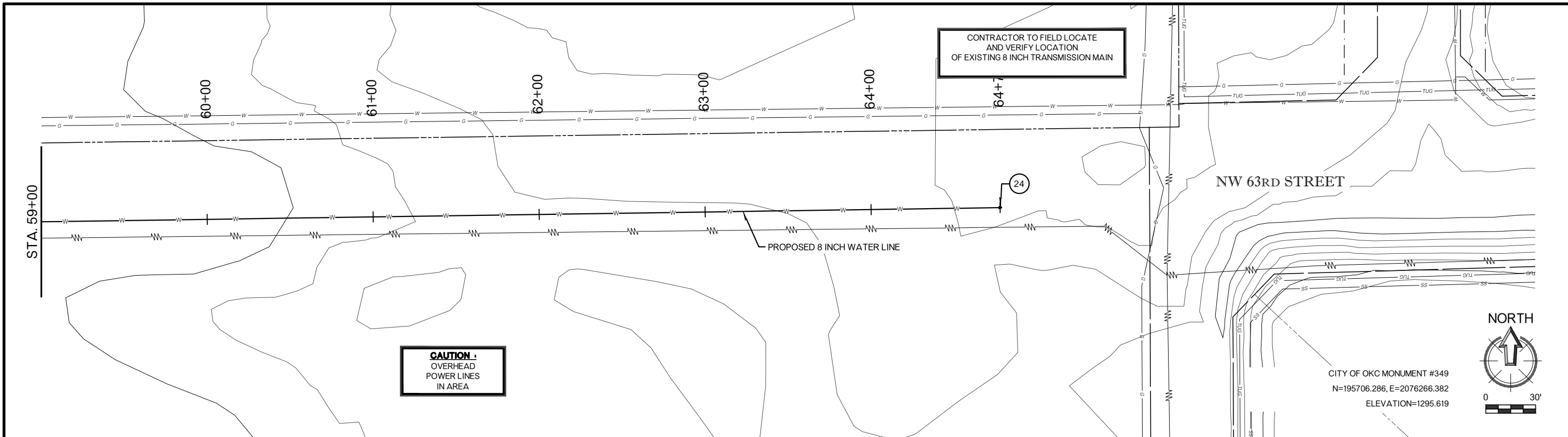


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 PROPOSED TRANSMISSION LINE
 PLAN AND PROFILE
 ALTERNATE NO. 1



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REV. NO.	DATE	DRWN	CHKD	REMARKS

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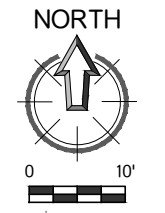
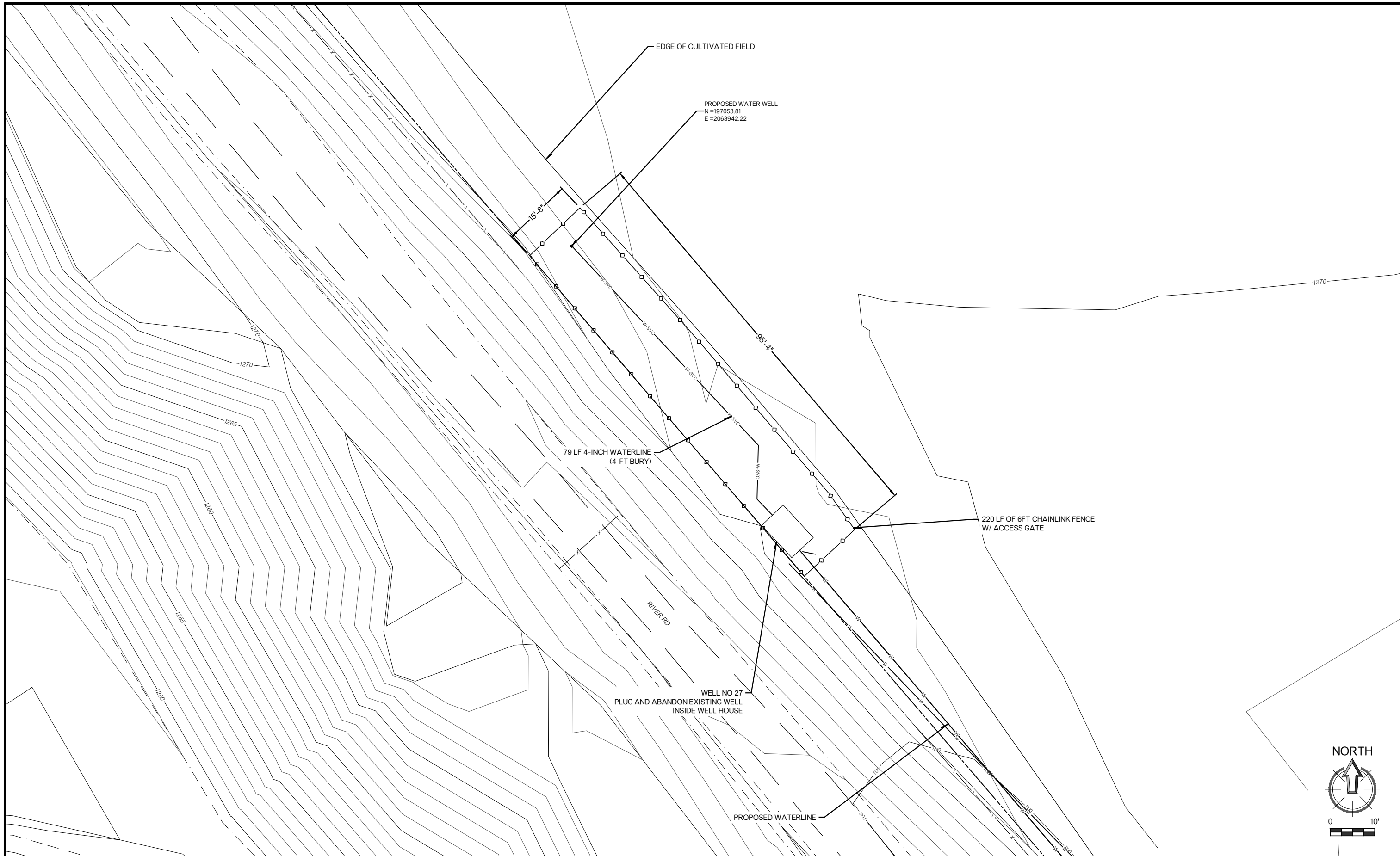
THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 PROPOSED TRANSMISSION LINE
 PLAN AND PROFILE
 ALTERNATE NO. 1



SHEET NO. C012
 SHEET 16 OF 22

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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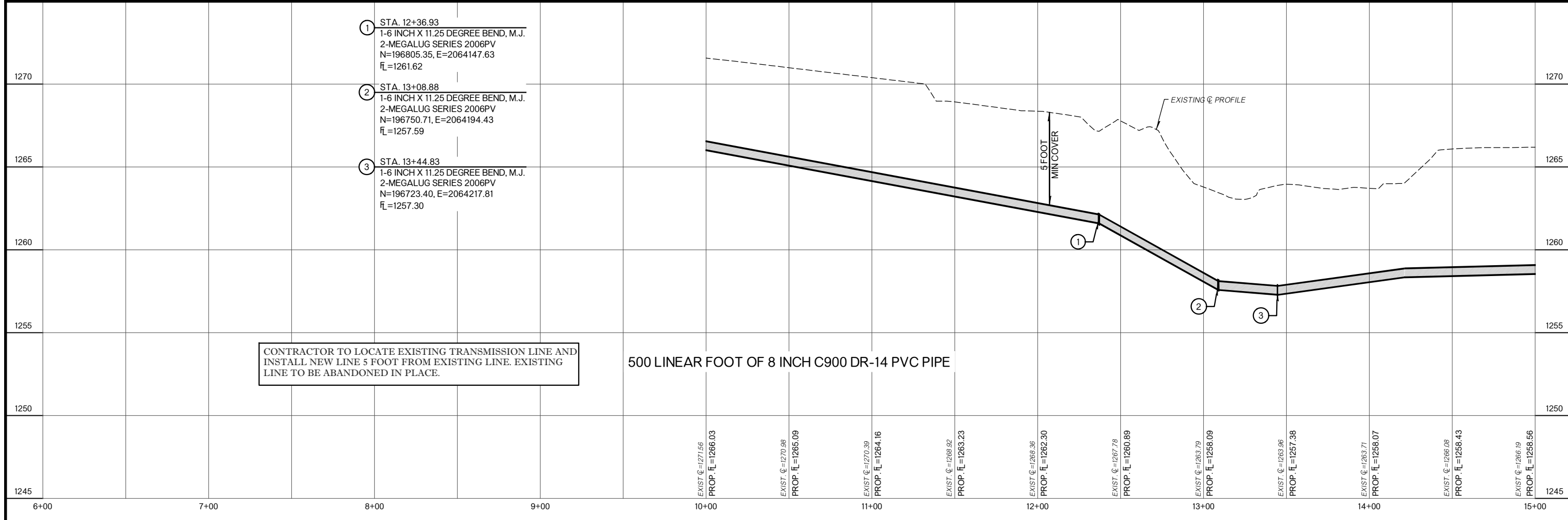
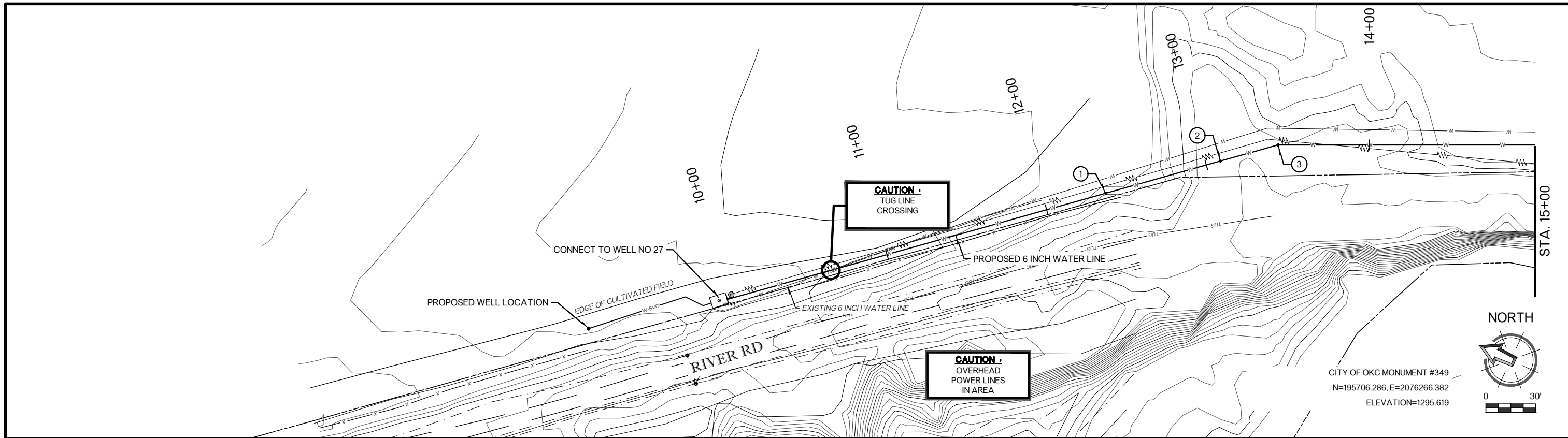


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL NO 27 SITE PLAN
 ALTERNATE NO. 02



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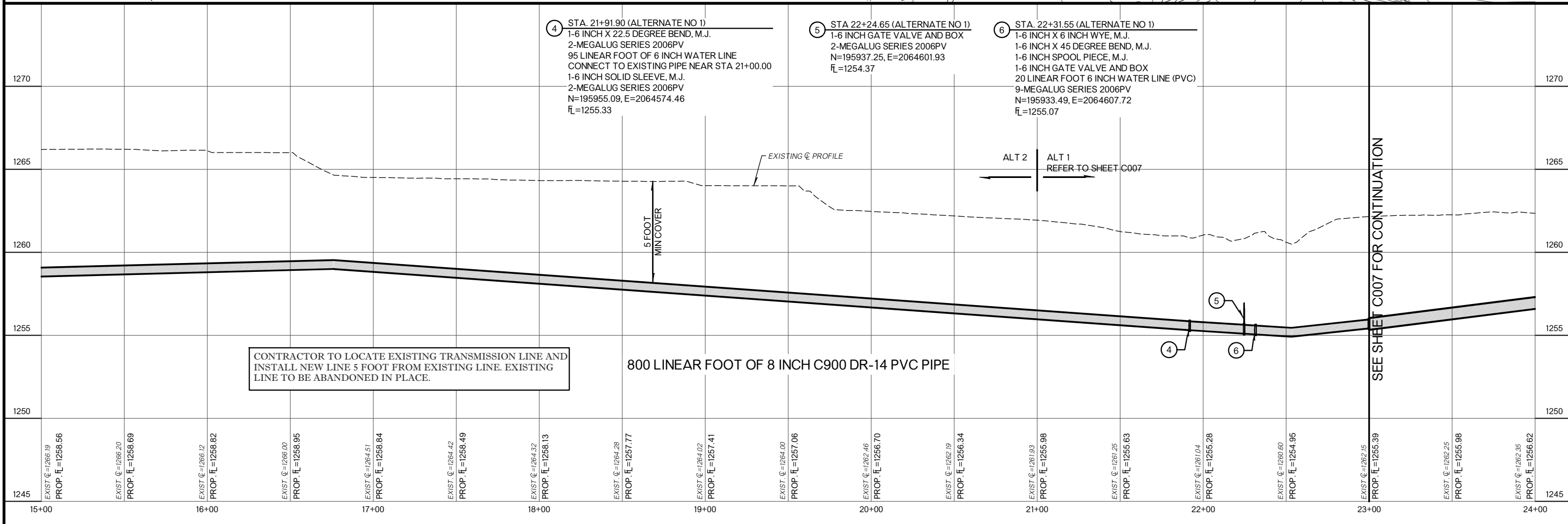
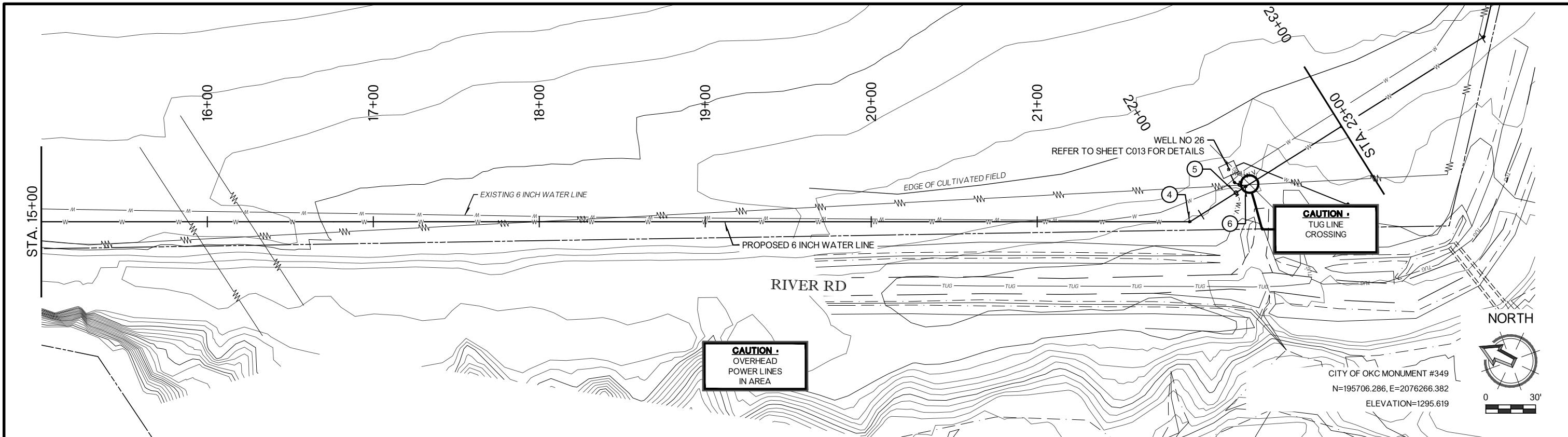
THE CITY OF BETHANY
CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS

CIVIL
PROPOSED TRANSMISSION LINE
PLAN AND PROFILE
ALTERNATE NO. 2



SHEET NO.
C014
SHEET 18 OF 22

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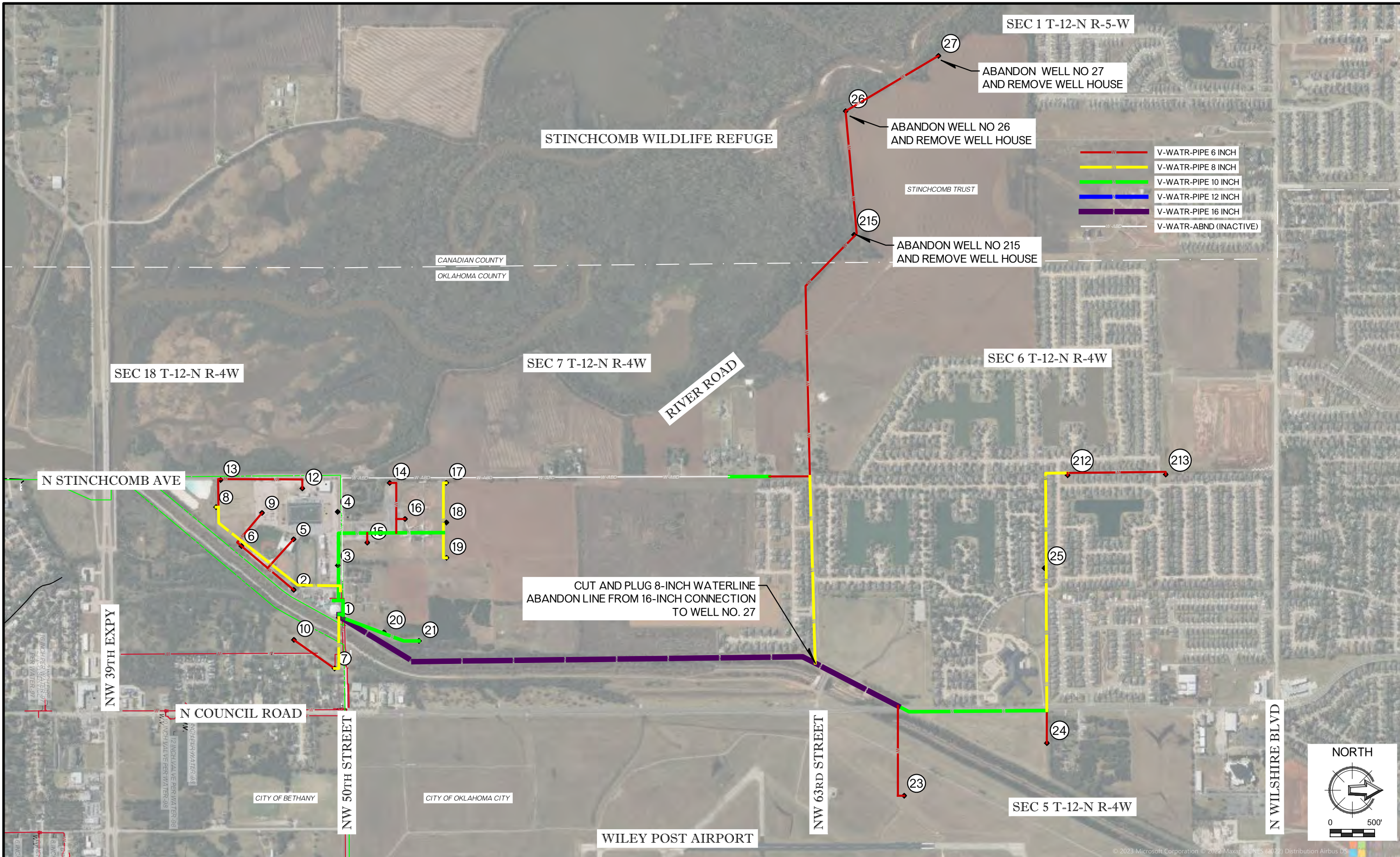


THE CITY OF BETHANY
CITY OF BETHANY WELL FIELD
REHABILITATION AND IMPROVEMENTS

CIVIL
PROPOSED TRANSMISSION LINE
PLAN AND PROFILE
ALTERNATE NO. 2



SHEET NO.
C015
SHEET 19 OF 22



- V-WATR-PIPE 6 INCH
- V-WATR-PIPE 8 INCH
- V-WATR-PIPE 10 INCH
- V-WATR-PIPE 12 INCH
- V-WATR-PIPE 16 INCH
- V-WATR-ABND (INACTIVE)

CUT AND PLUG 8-INCH WATERLINE
 ABANDON LINE FROM 16-INCH CONNECTION
 TO WELL NO. 27



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REV. NO.	DATE	DRWN	CHKD	REMARKS

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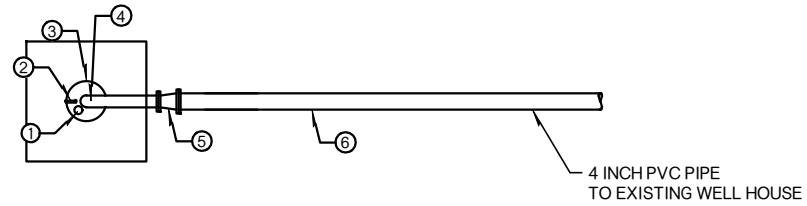


THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL ABANDON AND REMOVAL
 ALTERNATE NO. 03

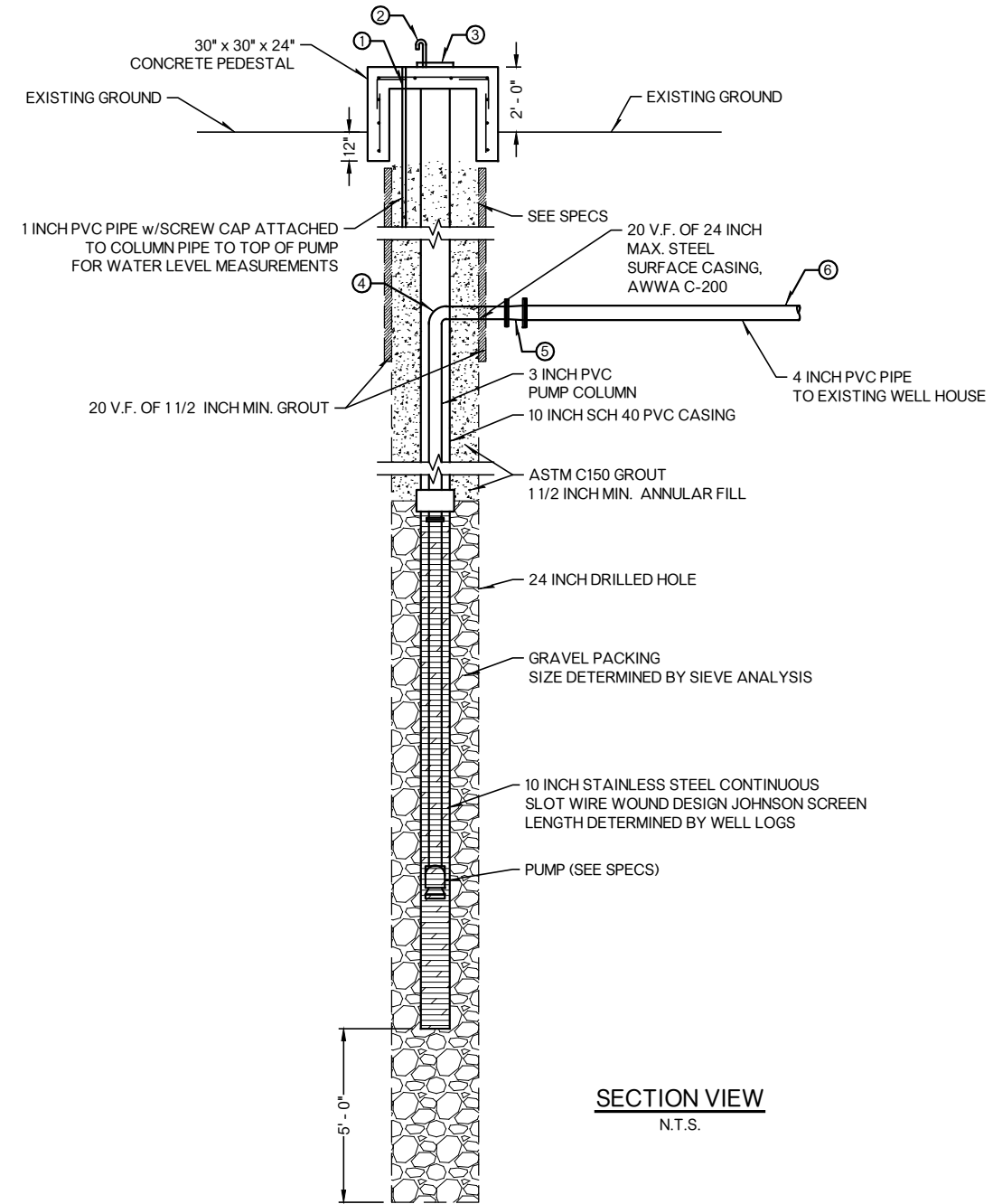


SHEET NO.
C016
 SHEET 20 OF 22



PLAN VIEW
N.T.S.

Summary of Items	
Item Number	Description
1	1 INCH PVC AIR TUBE FOR WATER LEVEL MEASUREMENT, w/SCREWED CAP
2	1 1/2 INCH METAL VENT PIPE w/WATERTIGHT BASE, w/24 MESH CORROSION RESISTANT SCREEN WITH 180 DEGREE BEND, 24 INCH ABOVE SLAB w/WATER TIGHT SEAL
3	SANITARY WELL SEAL
4	3 INCH x 90 DEGREE BEND
5	4 INCH x 3 INCH FLANGED REDUCER
6	4 INCH PVC WATERLINE



SECTION VIEW
N.T.S.

REV. NO.	DATE	DRWN	CHKD	REMARKS

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THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

CIVIL
 WELL DETAILS



SHEET NO.
 D001
 SHEET 21 OF 22

EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: N HOLLOWAY AVENUE BETWEEN NW 36th STREET
AND NW 32ND STREET

PROJECT DESCRIPTION: CONSTRUCTION OF NEW 6 INCH WATER LINE

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

- INSTALL EROSION CONTROL DEVICES
- CONSTRUCTION PROJECT
- REMOVE EROSION CONTROL DEVICES
- CLEAN PROJECT SITE

TOTAL AREA TO BE DISTURBED: 0.30 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.90

NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY OF
NORTH CANADIAN RIVER

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONST. ACTIVITIES HAVE CEASED FOR OVER 21 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- TEMPORARY BRUSH SEDIMENT BARRIERS
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY BALE BARRIERS
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- SANDBAG BERMS
- ROCK FILTER DAMS (STONE DAM)
- TEMPORARY SLOPE DRAIN
- PAVED DITCH DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- RIP RAP
- TEMPORARY STREAM CROSSINGS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- INLET SEDIMENT FILTER
- STABILIZED CONSTRUCTION EXIT
- ROCK BAG SILT FENCE

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES (AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE). POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORMWATER POLLUTION PREVENTION PLAN (SW3P) IS REQUIRED TO BE SUBMITTED BY THE CONTRACTOR TO CITY STORMWATER DEPT. AND COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS DEVELOPED, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORMS THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE BASIC GOAL OF STORMWATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORMWATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORMWATER POLLUTION.

IN ADDITION:

"EPA - FINAL NPDES GENERAL PERMITS FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITES; NOTES FEDERAL REGISTER", MONDAY, JULY 6, 1998 - VOLUME 60, NUMBER 128

"ODEQ - GENERAL PERMIT (OKR10) FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ - WATER QUALITY DIVISION, OCTOBER 18, 2017.

CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUALS TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST OBTAIN A PERMIT FROM ODEQ (FORM 606-002a) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. THIS MEANS THAT LAND DISTURBANCE OF ONE (1) ACRE OR MORE MUST PERMIT WITH ODEQ AND THE CITY OF BETHANY, STORM WATER QUALITY.

A COPY OF THE EROSION CONTROL SITE PLAN MUST ALWAYS BE ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMGED DUE TO CONSTRUCTION.

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REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 08-23-2023
 DRAWN BY: GIBBS
 CHECKED BY: ENGINEER



THE CITY OF BETHANY
 CITY OF BETHANY WELL FIELD
 REHABILITATION AND IMPROVEMENTS

GENERAL
 STORMWATER POLLUTION
 PREVENTION PLAN



SHEET NO.
 ER01
 SHEET 22 OF 22

Agenda: 10/17/2023

Item: 7

BPWA Agenda: 3

**BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY**

From: Elizabeth Gray, City Manager
Date: October 17, 2023
Subject: Request Permission to Advertise for Bids for the Bethany Animal Welfare Sanitary Sewer Relocation Project for G.O. Bond Proposition 3-C

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 3, that included Project 3-C Repairing, Renovating and Equipping the Animal Welfare Facility.

On April 4, 2023, the City of Bethany entered into a contract for engineering and design services with TEIM Design, LLC.

TEIM Design now requests permission to advertise for bids. Construction plans have been submitted to the Oklahoma Department of Environmental Quality for review and permitting, and once they are approved the plans will be advertised for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for the Bethany Animal Welfare Sanitary Sewer Relocation Project for G.O. bond Proposition 3-C.



ADDITIONAL COMMENTS

Funding will come from the Peniel Sewer Project ARPA funds.



SANITARY SEWER RELOCATION TO SERVE:
THE ANIMAL WELFARE EXPANSION

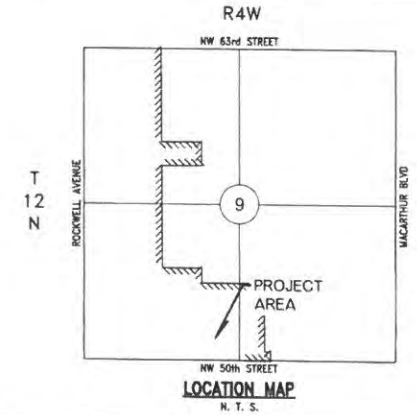
5100 N COLLEGE AVENUE

PREPARED BY



3020 N W 149th STREET
 OKLAHOMA CITY, OKLAHOMA
 (405) 752-1122 FAX (405) 752-8855

FOR ODEQ PERMITTING
 NOT FOR CONSTRUCTION



The City of
BETHANY, OKLAHOMA

NIKKI LLOYD, Mayor
 ELIZABETH GRAY, City Manager

COUNCIL MEMBERS:

AMANDA SANDOVAL	Ward 1	MARILYN MCPHAIL	Ward 3
CHRIS POWELL	Ward 1	KATHY LARSEN	Ward 3
MATTHEW GOODWIN	Ward 2	BRIAN MAGIROWSKY	Ward 4
STEVE PALMER	Ward 2	JEFF KNAPP	Ward 4

SHEET INDEX

SHEET NO.	DESCRIPTION
0001	TITLE SHEET
AC01	SUMMARY OF PAY QUANTITIES
AC02	CONSTRUCTION NOTES
AC03	LEGEND
CO01	EXISTING SITE PLAN
CO02	PROPOSED SITE PLAN
CO03	PLAN AND PROFILE SHEET
DO01	MISCELLANEOUS DETAILS
ER01	STORMWATER POLLUTION PREVENTION PLAN
	OKC STANDARDS

ONE CALL UTILITY LOCATION NUMBER

840-5032
 1-800-522-6543

This number is to be used for information on the location of all underground utilities. Contact this number and other numbers specified in the plans prior to any excavation.

Patrick James Garbetti
 PATRICK JAMES GARBETTI, P.E.
 RESTRICTED PROFESSIONAL ENGINEER
 C&P #428 EXPIRES JUNE 30, 2023

25768 9-11-2023
 DATE



CONSTRUCTION MUST BEGIN
 WITHIN SIX (6) MONTHS FROM
 THE DATE OF APPROVAL, OR
 THAT APPROVAL IS WITHDRAWN

APPROVED BY:

Patrick James Garbetti
 CITY ENGINEER NAME
 CITY ENGINEER
 9-11-2023
 DATE

Summary of Pay Quantities					
Item Number	Title	Pay Item Notes	Description	Quantity	Unit
1	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION		109-08	1.00	lump sum
2	SEDIMENT AND EROSION CONTROL		109-09	1.00	lump sum
3	TRENCH EXCAVATION AND BACKFILL - ZERO (0 FT.) TO TEN (10 FT.)	1	212	52.00	linear foot
4	CRUSHED ROCK FOUNDATION (CRUSHER RUN) (1.5 IN)		213	82.00	ton
5	EMBEDMENT MATERIAL		215	8.00	cubic yard
6	BORING (20 INCH)		252	30.00	linear foot
7	SANITARY SEWER PIPE (12 INCH)		610	82.00	linear foot
8	SANITARY SEWER (CLEANOUT)		610	3.00	each
9	SEWER SERVICE CONNECTION		611	3.00	each
10	RISER PIPE		611	40.00	linear foot
11	SEWER SERVICE LINE		612	50.00	linear foot
12	ABANDONING SEWER		614	2.00	cubic yard
13	DEFLECTION TEST (12 INCH) (LESS THAN 24 INCH)		623	1.00	lump sum
14	TELEVISION INSPECTION (CCTV)		624	82.00	linear foot
15	SEWER LEAKAGE TEST (12 INCH) (LESS THAN 24 INCH)		625	1.00	lump sum
16	EXTRA DEPTH MANHOLE WALL (4 FT)		626	2.95	vertical foot
17	SANITARY SEWER MANHOLE (4 FT)		626	2.00	each
18	MANHOLE TESTING (LESS THAN 24 INCH)		627	2.00	each
19	ABANDONING MANHOLE		648	1.00	each
20	STEEL CASING PIPE (20 INCH)		654	30.00	linear foot
21	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)		801	1.00	lump sum
22	GPS AS-BUILT SURVEY		801	1.00	lump sum
23	CONSTRUCTION SIGNING AND TRAFFIC CONTROL		802	1.00	lump sum
24	MOBILIZATION		809	1.00	lump sum
25	STRUCTURE REMOVAL (SANITARY SEWER PIPE) (6 IN)		811	25.00	linear foot
26	PAYEMENT CUT AND PERMENANT REPAIR (ASPHALT)		814	42.00	square yard
27	ADJUST EXISTING STRUCTURE (CLEANOUT)		819	1.00	each
28	SOLID SLAB SODDING		840	100.00	square yard

PAY ITEM NOTES

- 1. DEWATER CONSIDERED INCIDENTAL TO TRENCH EXCAVATION AND BACKFILL.

REV NO	DATE	DRWN	CHKD	REMARKS

SCALE AS SHOWN
 DATE: JUNE 28, 2023
 DRAWN BY: GIBBS
 CHECKED BY: P. GARRETT



CITY OF BETHANY
 SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION

CIVIL
 SUMMARY OF PAY QUANTITIES



SHEET NO.
 AC01
 SHEET 2 OF 9

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE CITY OF OKLAHOMA CITY STANDARD SPECIFICATIONS.
2. CONTRACTOR SHALL "CALL OKIE" AT 811 STATEWIDE OR 1-800-522-6543 OUT OF STATE FOR INFORMATION ON UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
3. UNDERGROUND UTILITY LINES DEPICTED IN THESE DRAWINGS HAVE BEEN DEVELOPED FROM INFORMATION PROVIDED BY THE OWNER AND OTHER SOURCES. NEITHER THE OWNER NOR THE ENGINEER TAKE RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO COMMENCING ANY CONSTRUCTION OR DIGGING OPERATIONS WITHIN THE AREA OF THESE DRAWINGS, A FIELD VERIFICATION AND PHYSICAL EXAMINATION OF THE WORK LIMITS SHALL BE MADE BY THE CONTRACTOR. THE CONTRACTOR SHOULD ASSUME THAT ADDITIONAL UNDERGROUND LINES DO EXIST AND ARE NOT SHOWN ON THESE DRAWINGS. THE LOCATIONS, BOTH HORIZONTAL AND VERTICAL, SHOWN ON THESE DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL "CALL OKIE" FOR COORDINATION AND ASSISTANCE IN LOCATING UNDERGROUND LINES.
4. CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST ALSO OBTAIN A PERMIT FROM ODEQ (FORM 605-002A) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION. A COPY OF THE EROSION CONTROL PLAN MUST BE ON SITE AT ALL TIMES AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST. POSSIBLE RUBBLE AND DEBRIS MAY BE ENCOUNTERED DURING EXCAVATION. ALL UNSUITABLE BACKFILL MATERIALS SHALL BE REMOVED AND LEGALLY DISPOSED OF.
6. ALL DEBRIS AND OTHER MATERIALS OF ANY NATURE NOT USED IN THIS CONTRACT MUST BE LEGALLY DISPOSED OF, OFF-SITE.
7. CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND APPLICABLE D.O.T. STANDARD DRAWINGS. PRICE BID FOR THIS ITEM SHALL BE PAYMENT IN FULL FOR THE INSTALLATION, MAINTENANCE AND SUBSEQUENT REMOVAL OF ALL NECESSARY CONSTRUCTION TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS REQUIRED FOR COMPLETION OF THE PROJECT. ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES WHICH ARE SHOWN WITH EITHER TYPE "A" OR TYPE "C" LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL PLAN. LANE CLOSINGS SHALL BE COORDINATED WITH THE CITY OF BETHANY. NO ADDITIONAL PAYMENT, INCIDENTAL CONSTRUCTION.
8. THE DENSITY REQUIREMENTS FOR THE PROJECT ARE 90% STANDARD PROCTOR FOR UNPAVED AREAS AND 95% STANDARD PROCTOR FOR PAVED AREAS.
9. CONTRACTOR SHALL FOLLOW OSHA GUIDELINES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING STRUCTURES, FENCES, AND LANDSCAPING NOT SHOWN TO BE REMOVED. AND SHALL BE RESPONSIBLE FOR THE COST OF ANY REPAIRS TO THESE ITEMS UPON COMPLETION OF CONSTRUCTION.
11. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING PIPING, CONDUITS, AND UTILITIES PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF ALL MEASUREMENTS BEFORE CONSTRUCTING ANY PERMANENT STRUCTURE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH SURFACE AND SUB-SURFACE CONDITIONS.
14. ALL WORK AND/OR MATERIALS NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED INCIDENTAL AND THE COST THEREOF SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEMS WHICH ARE QUALIFIED FOR PAYMENT.
15. ALL WORK SHALL BE DONE IN A NEAT AND ORDERLY FASHION BY SKILLED WORKMEN. ALL WORK WILL REQUIRE INSPECTION TO INSURE ACCEPTABLE CONSTRUCTION.
16. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR STORM WATER PERMIT REGULATIONS AND STORM WATER EROSION AND SEDIMENT CONTROL PROCEDURES.
17. THE CONTRACTOR IS RESPONSIBLE FOR THE PROMPT REPLACEMENT AND/OR REPAIR OF ALL TRAFFIC CONTROL DEVICES AND APPURTENANCES DAMAGED OR DISTURBED DUE TO CONSTRUCTION.
18. ALL ADDITIONAL WORK NOT CLASSIFIED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL CONSTRUCTION.

ODEQ NOTES

IN ACCORDANCE WITH OAC 252.626-19-2(B), REMOVE ALL STONES FOUND IN THE TRENCH TO A DEPTH OF AT LEAST 6 INCHES BELOW THE BOTTOM OF THE PIPE.

IN ACCORDANCE WITH OAC 252.626-19-2(B), SEPARATION OF WATER MAINS FROM CONTAMINATION SOURCES MUST MEET THE FOLLOWING STANDARDS:

HORIZONTAL SEPARATION

MEASURE THE SEPARATION DISTANCE EDGE TO EDGE. LOCATE WATER MAINS AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER LINES. LOCATE WATER MAINS AT LEAST 5 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED STORM SEWERS, RAW WATER LINES, PETROLEUM PRODUCT LINES, NATURAL GAS LINES, AND OTHER BURIED UTILITY LINES. LOCATED CAST IRON WATER LINES AT LEAST 10 FEET FROM ANY GASOLINE STORAGE TANK, AND LINES AND PVC WATER LINES AT LEAST 50 FEET HORIZONTALLY FROM ANY GASOLINE STORAGE TANKS AND LINES. LOCATE WATERLINE AT LEAST 15 FEET FROM ALL PARTS OF SEPTIC TANKS AND ABSORPTION FIELDS OR OTHER SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

VERTICAL SEPARATION

MEASURE THE SEPARATION DISTANCE FROM EDGE TO EDGE. LAY WATERLINE CROSSING SEWER LINES TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 24 INCHES BETWEEN THE WATER MAIN AND THE SEWER LINE. ARRANGE THE PIPING SO THAT JOINTS IN A 20-FOOT LENGTH OF PVC OF 18-FOOT LENGTH OF CAST IRON SEWER PIPE, W/O, BE EQUIDISTANCE FROM THE WATER MAIN WHERE A WATER MAIN CROSSES UNDER A SEWER. PROVIDE ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER TO PREVENT DAMAGE TO THE WATER MAIN. MAINTAIN A 2-FOOT VERTICAL SEPARATION BETWEEN WATER LINES AND ANY EXISTING OR PROPOSED STORM SEWERS, RAW WATER LINES, PETROLEUM PRODUCT LINES, NATURAL GAS LINES, AND OTHER BURIED UTILITY LINES.

SPECIAL CONDITION

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED IN (11) AND (2) OF THIS SUBSECTION, DESIGN AND CONSTRUCT THE OTHER LINE EQUAL TO WATER PIPE AND PRESSURE TEST IT TO ASSURE WATER TIGHTNESS OF JOINT ADJACENT TO THE WATER LINE PRIOR TO BACKFILLING.

IN ACCORDANCE WITH OAC 252.626-19-3(B)(6), THE LOWEST OUTLET SHALL BE INSTALLED NO LESS THAN 16 INCHES ABOVE THE SURROUNDING GRADE AND THE OPERATION NUT HIGHER THAN 4 FEET ABOVE GRADE.

IN ACCORDANCE WITH OAC 252.626-19-9(E), TEST THE INSTALLED PIPE FOR LEAKAGE IN ACCORDANCE WITH AWWA STANDARD SPECIFICATION. LEAKAGE MUST NOT EXCEED 10 GAL/INCH DIAMETER PER MILE OF PIPE PER 24 HOURS AT 150 PSI TESTING PRESSURE.

IN ACCORDANCE WITH OAC 252.626-19-2(F), DISINFECT ALL WATERLINES ACCORDING TO AWWA STANDARD SPECIFICATIONS. OBTAIN SAFE BACTERIOLOGICAL SAMPLES ON TWO CONSECUTIVE DAYS BEFORE PLACING THE WATERLINE INTO SERVICE.

IN ACCORDANCE WITH OAC 252.626-19-9(J), INSTALL METAL TRACER WIRE ON ALL NON-FERROUS PIPING USED FOR PUBLIC WATER SUPPLY MAINS.

REV	DATE	DRAWN	CHECKED	REMARKS

SCALE:	AS SHOWN
DATE:	JUNE 28 2023
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CHECKED BY:	P. GARRETT



CITY OF BETHANY
**SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION**

CIVIL
CONSTRUCTION NOTES



SHEET NO.
AC02
 SHEET 3 OF 9

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LINETYPE LEGEND

BLOCK LEGEND

HATCH LEGEND

	EXISTING	PROPOSED
FILTER FABRIC SILT FENCE		
EROSION CALLOUTS		
CALLOUTS		
CONTOUR		
CONTOUR		
BUILDING LIMIT		
PERMANENT EASEMENT		
TEMPORARY EASEMENT		
EASEMENT CALLOUTS	PROPERTY NAME	
PROPERTY LINE		
PROPERTY LOTS		
PROPERTY PIN		
RIGHT OF WAY		
TEMPORARY RIGHT OF WAY		
SECTION LINE		
QUARTER SECTION LINE		
SIXTEENTH SECTION LINE		
PROPERTY SECTION CALLOUTS	SECTION NAME	
PROPERTY SECTION CALLOUTS	SECTION TEXT	
PROPERTY CALLOUTS	PROPERTY OWNERS	
ASPHALT ROAD		
CONCRETE ROAD		
DIRT ROAD		
GRAVEL ROAD		
GROUND LINE		
GROUND LINE CALLOUTS	TEXT	
CROSS SECTION GROUND LINE		
CROSS SECTION GROUND LINE CALLOUTS	TEXT	
ROADWAY STRIPING		
PROPERTY HATCH		
ALIGNMENTS		
CENTER OF EASEMENT ALIGNMENT		
ROADWAY CALLOUTS	STREET NAME	TEXT
SANITARY SEWER-PLAN		
SANITARY SEWER STRUCTURES		
SANITARY SEWER HATCH		
SANITARY SEWER CALLOUTS	TEXT	
STEEL CASING		
STORM SEWER FLOWLINE		
STORM SEWER PIPE		
STORM SEWER STRUCTURES		
STORM SEWER HATCH		
STORM SEWER CALLOUTS	TEXT	
BENCHMARK CALLOUTS		
GEO TECH BORE		
SURVEY CONTROL		
SURVEY CONTROL CALLOUTS		
MONUMENT		
MONUMENT TEXT	TEXT	
TOPO		
BUILDING		
BUILDING FOOTING		
BUILDING SERVICE		
BUILDING OVERHANG		
BRIDGE		
BREAKLINE		
CABLE BARRIER		

	EXISTING	PROPOSED
CONCRETE PAD		
WATERS EDGE		
BARB WIRE FENCE		
CHAIN LINK FENCE		
METAL FENCE		
PLASTIC FENCE		
WOOD FENCE		
DITCH FLOWLINE		
QUADRANT		
MAJOR CONTOUR		
CONTOUR CALLOUTS	ELEVATION	ELEVATION
MINOR CONTOUR		
RAILROAD		
RETAINING WALL		
TOP OF BANK		
TOE OF SLOPE		
RIPRAP		
SAWCUT		
SIGNAGE		
TOPO CALLOUTS	TEXT	TEXT
TREES		
TREE OVERHANG		
TREE PROTECTION ZONE		
SIDEWALK		
CABLE LINE		
ELECTRIC LIGHTS		
OVERHEAD ELECTRIC		
POWER UNDERGROUND		
GAS LINE		
OIL PIPELINE		
TELEPHONE UNDERGROUND		
FIBER OPTIC		
UTILITY CALLOUTS	TEXT	
ABANDONED WATER LINE		
WATER APPURTENANCES		
FIRELINE		
WATER PIPE FITTINGS		
IRRIGATION LINE		
WATER PIPE-PLAN		
WATER PIPE PROFILE		
WATER HATCH		
WATER SERVICE		
WATER LINE CALLOUTS		
TABLE OUTLINE		TEXT
TABLE TEXT		TEXT

	EXISTING	PROPOSED
BENCHMARK		
BUILDING-ROOF DRAIN		
CONTROL POINT		
ELECTRICAL-AIR CONDITION		
ELECTRICAL RISER		
ELECTRICAL-TRANSFORMER		
FIRE HYDRANT		
FIRE CONNECTION		
FIRE CONNECTION W/STROBE		
FITTING - CAP		
FITTING - PLUG		
GAS METER		
GAS VALVE		
GUY ANCHOR		
HIGHWAY-INTERSTATE		
HIGHWAY-US		
HIGHWAY-STATE		
LIGHT POLE DOUBLE ARM		
LIGHT LANDSCAPING		
LIGHT POLE SINGLE ARM		
LIGHT POLE-STADIUM		
LIGHT POLE-QUAD ARM		
MAILBOX		
MANHOLE-ELECTRICAL		
MANHOLE-SANITARY SEWER		
MANHOLE-STORM SEWER		
MANHOLE-TELEPHONE		
MANHOLE-WATER		
POST-FENCE		
POST-GATE		
POST-VENT PIPE		
POST-SQUARE		
POWER POLE-DISTRIBUTION		
POWER POLE-TRANSMISSION		
SEWER CLEANOUT		
SIGNAL MAST ARM		
DOUBLE LIGHT SIGNAL MAST ARM		
TRIPLE LIGHT SIGNAL-RAILROAD ARM		
SIGN-SCHOOL		
SIGN-STREET		
TELEPHONE RISER		
TREE-CONIFEROUS		
TREE-DECIDUOUS		
TREE-SHRUB		
VALVE AIR VAC/RELEASE		
VALVE BLOWOFF		
VALVE IRRIGATION		
VERTICAL BEND		
WATER VALVE		
WATER METER		
WATER FAUCET		
WATER WELL		

ROCK RIPRAP	
ROCK BACKFILL	
AGGREGATE BASE	
GRAVEL	
CONCRETE PAVEMENT	
ASPHALT PAVEMENT	
PAVEMENT REPAIR	
CASING	
STRUCTURES	

REV	NO	DATE	DRAWN	CHKD	REMARKS

SCALE:	AS SHOWN
DATE:	JUNE 28 2023
DRAWN BY:	GIBBS
CHECKED BY:	P. GARRETT



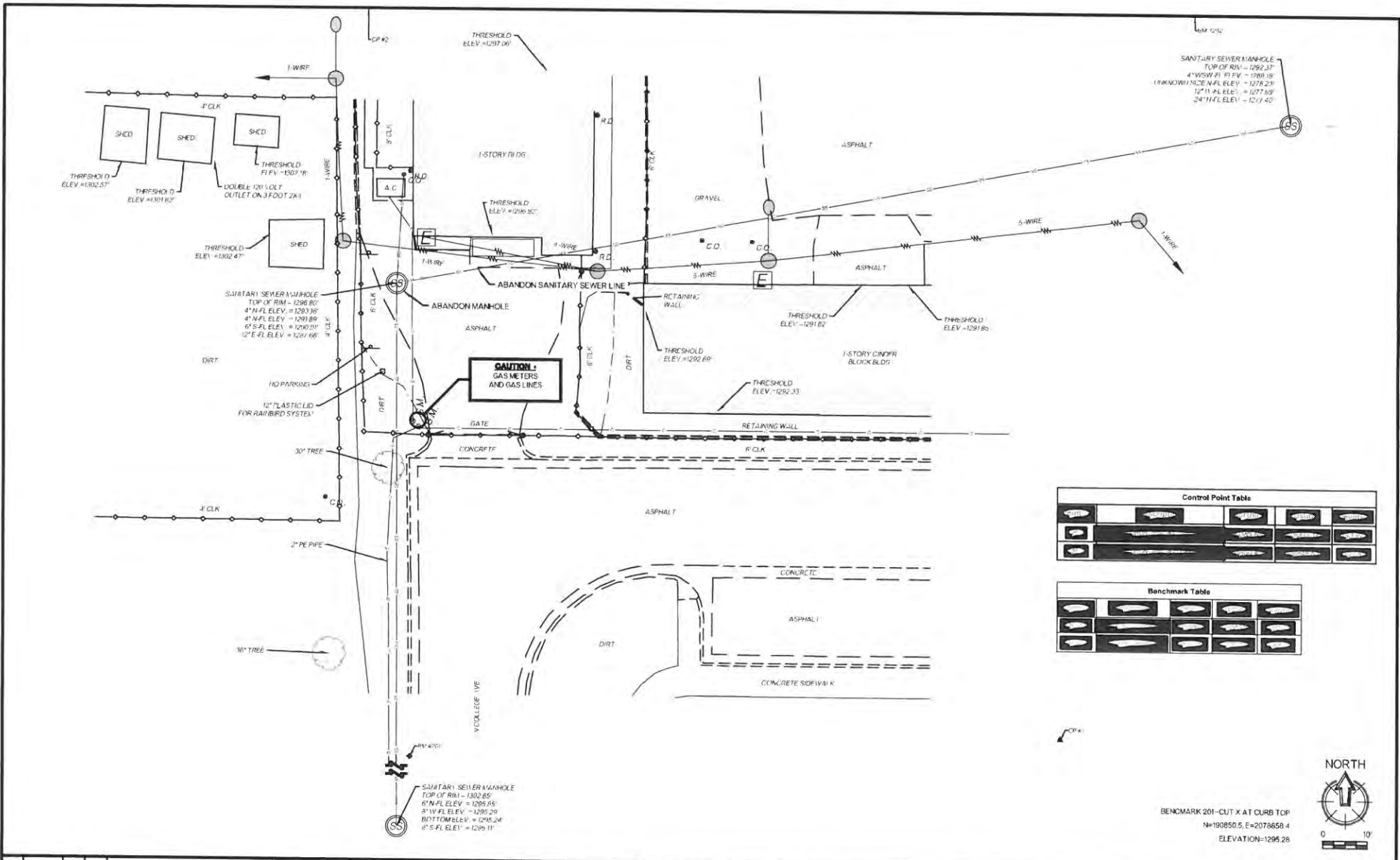
CITY OF BETHANY
**SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION**

GENERAL
LEGEND



SHEET NO.
AC03
 SHEET 4 OF 9

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Control Point Table							

Benchmark Table							

SANITARY SEWER MANHOLE
 TOP OF RIM = 1292.37
 4" WSW FL ELEV = 1288.18
 UNKNOWN N/E FL ELEV = 1278.23
 12" FL ELEV = 1275.99
 24" HFL ELEV = 1271.40

SANITARY SEWER MANHOLE
 TOP OF RIM = 1296.67
 4" W FL ELEV = 1293.39
 4" N FL ELEV = 1291.89
 6" S FL ELEV = 1290.59
 12" E FL ELEV = 1292.66

SANITARY SEWER MANHOLE
 TOP OF RIM = 1302.65
 6" N FL ELEV = 1298.65
 6" W FL ELEV = 1295.29
 BOTTOM ELEV = 1295.24
 6" S FL ELEV = 1295.11

**CAUTION:
 GAS METERS
 AND GAS LINES**

BENCHMARK 201-CUT X AT CURB TOP
 N=190850.5, E=2076850.4
 ELEVATION=1295.26



REV. NO.	DATE	DRAWN	CHKD.	REMARKS

SCALE: AS SHOWN
 DATE: JUNE 28 2023
 DRAWN BY: GIBBS
 CHECKED BY: P. GARRETT



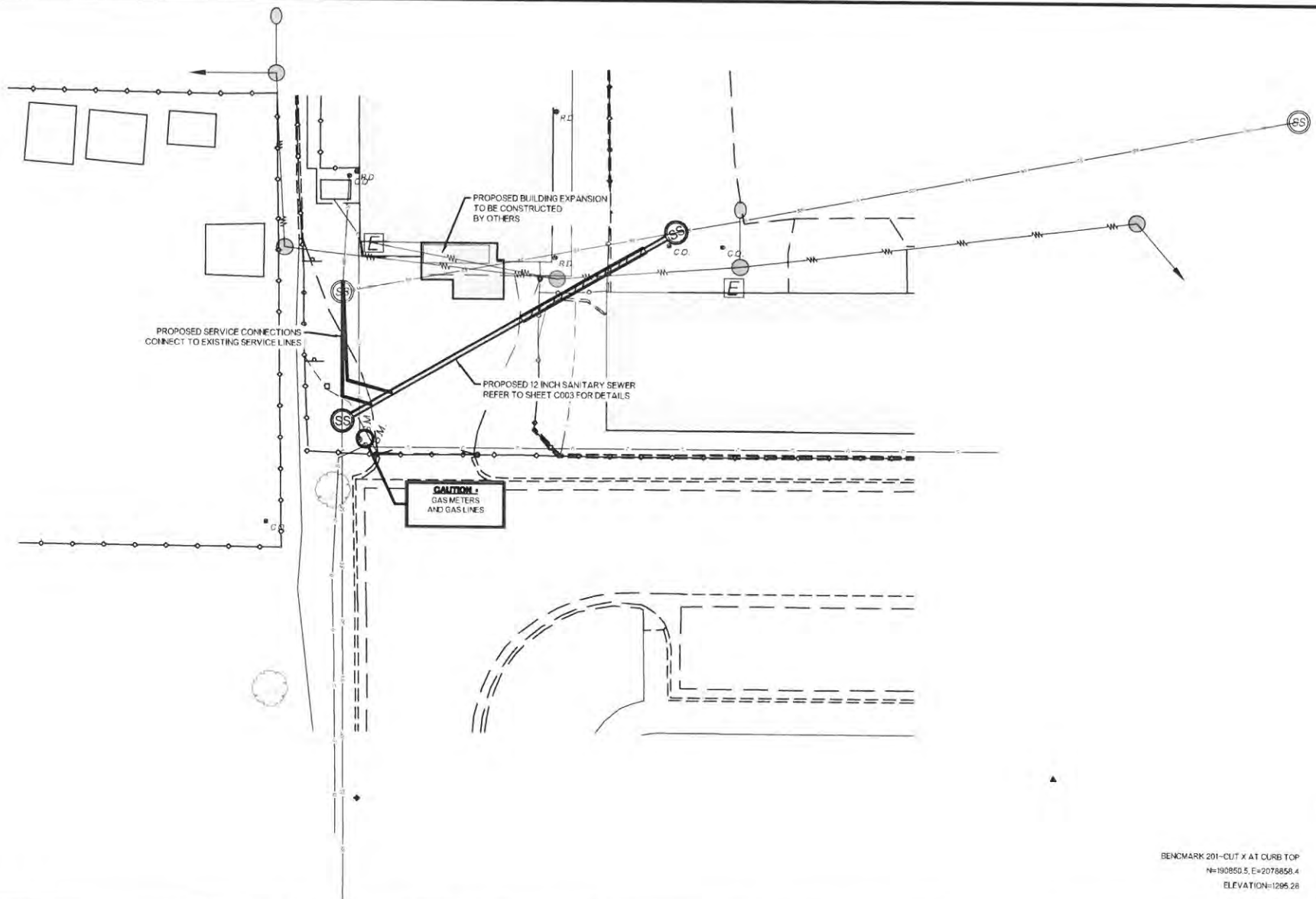
CITY OF BETHANY
 SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION

CIVIL
 EXISTING SITE PLAN



SHEET NO.
 C001
 SHEET 5 OF 9

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BENCHMARK 201-CUT X AT CURB TOP
 N=190850.5, E=2078858.4
 ELEVATION=1295.28



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: JUNE 28 2023
 DRAWN BY: GIBBS
 CHECKED BY: P. GARRETT



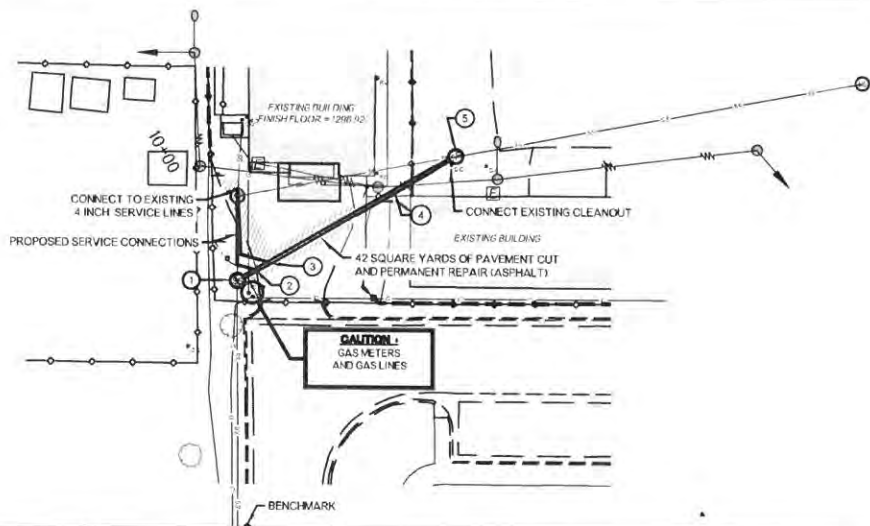
CITY OF BETHANY
SANITARY SEWER RELOCATION TO SERVE THE ANIMAL WELFARE EXPANSION

CIVIL
 PROPOSED SITE PLAN

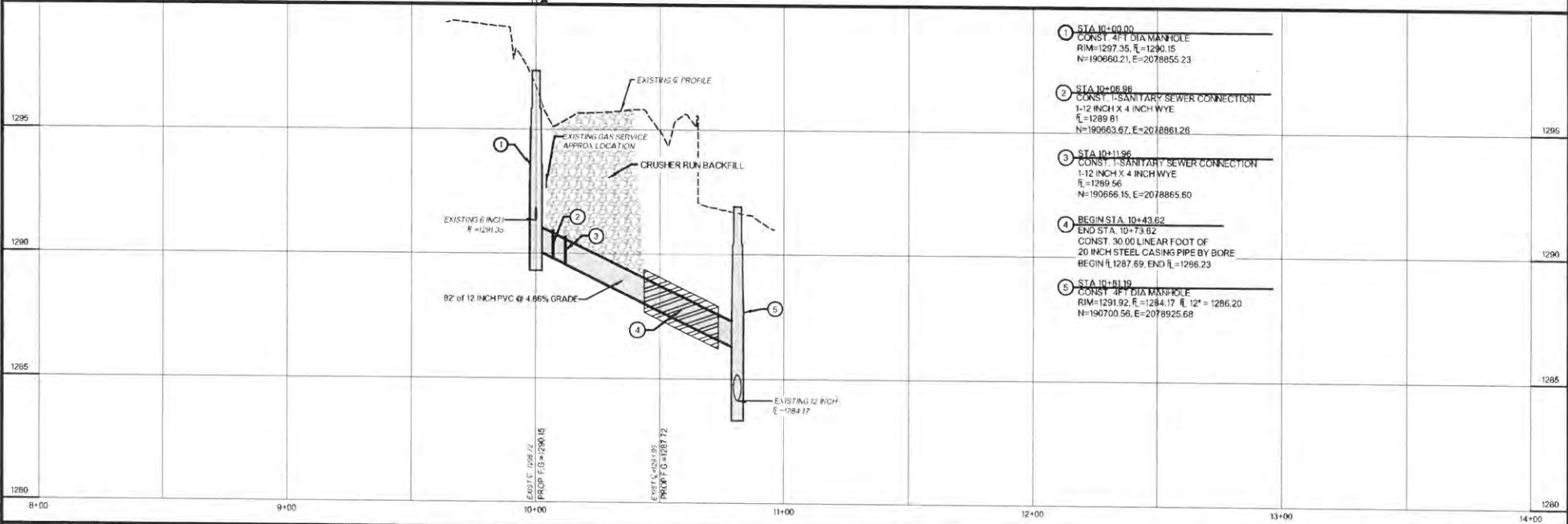


SHEET NO.
C002
 SHEET 6 OF 9

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BENCHMARK 201-CUT X AT CURB TOP
 N=190850.5, E=2078658.4
 ELEVATION=1295.28



- ① STA 10+00.00
 CONST. 4 FT DIA MANHOLE
 RIM=1297.35, ℓ =1290.15
 N=190660.21, E=2078655.23
- ② STA 10+08.86
 CONST. 1" SANITARY SEWER CONNECTION
 1-12 INCH X 4 INCH WYE
 ℓ =1289.81
 N=190663.67, E=2078861.26
- ③ STA 10+11.86
 CONST. 1" SANITARY SEWER CONNECTION
 1-12 INCH X 4 INCH WYE
 ℓ =1289.56
 N=190666.15, E=2078865.60
- ④ BEGIN STA. 10+43.62
 END STA. 10+73.62
 CONST. 30.00 LINEAR FOOT OF
 20 INCH STEEL CASING PIPE BY BORE
 BEGIN ℓ 1287.69, END ℓ =1286.23
- ⑤ STA 10+81.19
 CONST. 4 FT DIA MANHOLE
 RIM=1291.92, ℓ =1284.17 ℓ 12" = 1286.20
 N=190700.58, E=2078925.68

REV	NO	DATE	DRWN	CHKD	REMARKS

SCALE AS SHOWN
 DATE: JUNE 28 2023
 DRAWN BY: GIBBS
 CHECKED BY: P GARRETT



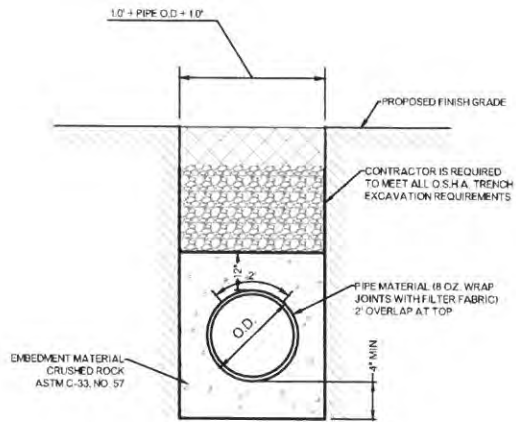
CITY OF BETHANY
 SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION

CIVIL
 PROPOSED 12 INCH SANITARY SEWER
 PLAN AND PROFILE



XX-####
 SHEET NO.
C003
 SHEET 7 OF 9

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**TYPICAL RCP PIPE BEDDING DETAIL
UNDER ROADWAY AND PARKING LOT**
N.T.S.

REV. NO.	DATE	DRAWN	CHKD.	REMARKS

SCALE: AS SHOWN
 DATE: JUNE 28 2023
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 CHECKED BY: P. GARRETT



CITY OF BETHANY
**SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION**

CIVIL
 MISCELLANEOUS DETAILS



SHEET NO.
D001
 SHEET 8 OF 9

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EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: CITY OF BETHANY ANIMAL WELFARE BUILDING

PROJECT DESCRIPTION: ANIMAL WELFARE BUILDING IMPROVEMENTS

X

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

- INSTALL EROSION CONTROL DEVICES
- CONSTRUCT PROJECT
- REMOVE EROSION CONTROL DEVICES
- CLEAN PROJECT SITE

TOTAL AREA TO BE DISTURBED: 0.11 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.7

NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONST. ACTIVITIES HAVE CEASED FOR OVER 30 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- TEMPORARY BRUSH SEDIMENT BARRIERS
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY BALE BARRIERS
- DIVERSION INTERCEPTOR OR PERIMETER DIKES
- DIVERSION INTERCEPTOR OR PERIMETER SWALES
- SANDBAG BERMS
- ROCK FILTER DAMS (STONE DAM)
- TEMPORARY SLOPE DRAIN
- PAVED DITCH / DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- RIP RAP
- TEMPORARY STREAM CROSSINGS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- INLET SEDIMENT FILTER
- STABILIZED CONSTRUCTION EXIT
- ROCK BAG SILT FENCE

OFF-SITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TAIRPAULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES (AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE). POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES

A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO BE SUBMITTED BY THE CONTRACTOR TO CITY STORMWATER DEPT. AND COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (ODES) REGULATIONS. THIS PLAN IS DEVELOPED, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORMS THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE BASIC GOAL OF STORMWATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORMWATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORMWATER POLLUTION.

IN ADDITION:

*EPA - FINAL NPDES GENERAL PERMITS FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITES, NOTES FEDERAL REGISTER, MONDAY, JULY 6, 1998 - VOLUME 63, NUMBER 128

*ODEQ - GENERAL PERMIT (OKR10) FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA *ODEQ - WATER QUALITY DIVISION, OCTOBER 18, 2017.

CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUALS TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST OBTAIN A PERMIT FROM ODEQ (FORM 606-002a) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. THIS MEANS THAT LAND DISTURBANCE OF ONE (1) ACRE OR MORE MUST PERMIT WITH ODEQ AND THE CITY OF OKLAHOMA CITY, STORM WATER QUALITY.

A COPY OF THE EROSION CONTROL SITE PLAN MUST ALWAYS BE ON SITE AND MADE AVAILABLE TO THE INSPECTOR UPON REQUEST.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL EROSION CONTROL DEVICES DAMAGED DUE TO CONSTRUCTION.

REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: JUNE 28 2023
 DRAWN BY: GIBBS
 CHECKED BY: P. GARRETT



CITY OF BETHANY
 SANITARY SEWER RELOCATION TO SERVE
 THE ANIMAL WELFARE EXPANSION

GENERAL
 STORMWATER POLLUTION
 PREVENTION PLAN



SHEET NO.
 ER01
 SHEET 9 OF 9

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03/13/14
DATE
FILE DATE: 2/28/2014
PLOTTED: Friday, March 28, 2014

2015 USER MANUAL FOR SANITARY SEWER STANDARD DETAILS

SANITARY SEWER STANDARD DETAIL

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0.02 GENERAL CONSTRUCTION NOTES PAGE 2 OF 2	3/13/2014
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0.04 VITRIFIED CLAY PIPE DESIGN	3/13/2014
0.05 MANHOLE TESTING	3/13/2014
0.06 EMBEDMENT MATERIAL & TRENCH WIDTH TABLE	3/13/2014
0.07 BACKFILLING REQUIREMENTS PAGE 1 OF 2	3/13/2014
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0.13 PRECAST REINFORCED CONCRETE TO MANHOLE TRANSITION SECTION	3/13/2014
0.14 REINFORCED CONCRETE PRECAST MANHOLE BASE SECTION	3/13/2014
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0.19 MANHOLE PIPE CONNECTION FOR CAST-IN-PLACE MANHOLES	3/13/2014
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0.35 STEEL CARRIER PIPE SIZES MAXIMUM SPAN LENGTH	3/13/2014

SANITARY SEWER STANDARD DETAIL	
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF OKLAHOMA CITY STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC IMPROVEMENTS.	
2. ALL WORK NOT CLASSIFIED AS A CONTRACT PAY ITEM SHALL BE CONSIDERED AS AN INCIDENTAL AND NOT PAID FOR DIRECTLY.	
3. ALL EXCAVATION UNDER EXISTING PAVEMENT SHALL BE BACKFILLED WITH CRUSHER RUN ROCK. ALL EXCAVATION UNDER PAVEMENT SHALL BE BACKFILLED WITH SAND.	
4. PIPE LEAKAGE TESTS SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE OKLAHOMA CITY SEWER REQUIREMENTS. LEAKAGE SHALL NOT EXCEED 10 GALLONS PER INCH OF NORMAL PIPE PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM.	
5. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE FOR AT LEAST THIRTY (30) DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF MORE THAN FIVE (5%) PERCENT. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL AND MANHOLE, IT SHALL HAVE A DIAMETER EQUAL TO NINETY-FIVE (95%) PERCENT OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.	
6. POLYVINYL CHLORIDE (PVC) PIPES SHALL CONFORM TO ASTM F 199 FOR OPEN PROFILE PIPE AND ASTM F 100 FOR CLOSED PROFILE PIPE. REGARDLESS OF SIZE, OPEN PROFILE WALL PIPE WILL BE ALLOWED ONLY ON SECTIONS OF PIPE WHERE THERE ARE NO APPARENT SERVICE CONNECTIONS.	
7. SPECIAL SANITARY SEWER PIPE SHALL BE REQUIRED TO SATISFY MINIMUM HORIZONTAL AND VERTICAL CLEARANCE REQUIREMENTS FROM WATER MAINS, WELLS AND FRESH WATER STORAGE TANKS, AS ESTABLISHED BY THE OKLAHOMA STATE DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ).	
8. SPECIAL PVC PIPE SHALL CONFORM TO ASTM D-2241 AND SDR 35.5 FOR SIZES FOUR (4") THROUGH THIRTY-SIX (36") INCHES, OR AWWA C-900 AND AWWA C-905, WITH A MINIMUM DR RATING OF DR18 FOR PIPE SIZES FOUR (4") INCHES TO TWELVE (12") INCHES AND A MINIMUM DR RATING OF DR22.5 FOR PIPE SIZES GREATER THAN TWELVE (12") INCHES.	
9. DUCTILE IRON PIPE (DIP) SHALL CONFORM TO THE REQUIREMENTS OF AWWA C-151 EXTERIOR COATING - BE LOCATED ON SURFACES OF DUCTILE IRON PIPE SPECIFICATIONS AND FITTINGS SHALL BE COVERED WITH AN ASPHALTIC COATING IN ACCORDANCE WITH ASTM A848, SECTION 6.1.6 OF AWWA C-151. THE COATING SHALL HAVE A MINIMUM THICKNESS OF ONE (1) MIL.	
9.2. INTERIOR COATING - INTERIOR SURFACES OF PIPE AND FITTINGS SHALL BE LINED WITH FORTY (40) MILS OF VIRBON POLYETHYLENE COMPLYING WITH ASTM D-1538 OR MADISON POLYETHYLENE LINING, CORPORATION ITX-3 MINUTE NUMBER 1715, MANUFACTURED BY MADISON CHEMICALS, INC. CANALIC OR APPROVED COLOR. THE LINED MATERIALS TO ALL BE COMPOUNDED WITH A MINIMUM OF TWO (2%) PERCENT CARBON BLACK TO RESIST ULTRA VIOLET RAYS.	
9.3. THICKNESS - UNLESS OTHERWISE SPECIFIED DUCTILE IRON PIPE SHALL MEET THE REQUIREMENTS IN THE FOLLOWING TABLE AS SHOWN IN DETAIL S-40:	

SANITARY SEWER STANDARD DETAIL	
GENERAL CONSTRUCTION NOTES	
1 OF 2	2 OF 2

SANITARY SEWER STANDARD DETAIL	
REINFORCED CONCRETE PIPE MINIMUM DESIGN	
03/13/14	5-03

The City of Oklahoma City
Utilities Department
Engineering Division

SANITARY SEWER STANDARD DETAIL

VITRIFIED CLAY PIPE (VCP) MINIMUM PIPE DESIGN ASTM C-700		
PIPE NOMINAL SIZE (INCHES)	MINIMUM THREE-EDGE BEARING STRENGTH (LB/FT)	MAXIMUM DEPTH OF COVER (FT)
4	2000	25
6	2000	25
8	2200	20
10	2400	18
12	2600	16
15	2900	15
18	3300	14
21	3850	14
24	4400	14
27	4700	13
30	5000	13
33	5500	13
36	6000	13
39	6500	13
42	7000	12

SANITARY SEWER STANDARD DETAIL	
GENERAL CONSTRUCTION NOTES	
1 OF 2	2 OF 2

SANITARY SEWER STANDARD DETAIL	
TRENCH WIDTH TABLE	
DEPTH OF COVER (FEET)	MINIMUM TRENCH WIDTH (FEET)
0-10	3.00
10-15	3.25
15-20	3.50
20-25	3.75
25-30	4.00
30-35	4.25
35-40	4.50
40-45	4.75
45-50	5.00
50-55	5.25
55-60	5.50
60-65	5.75
65-70	6.00
70-75	6.25
75-80	6.50
80-85	6.75
85-90	7.00
90-95	7.25
95-100	7.50

SANITARY SEWER STANDARD DETAIL	
DESCRIPTION	
BACKFILL IS THAT PORTION OF THE TOTAL TRENCH BACKFILL DOWN TO BUT NOT INCLUDING THE PIPE EMBEDMENT MATERIAL. THE BACKFILL SHALL BE ONLY MATERIAL PROVIDED BY THE ENGINEER CONSISTING OF LOOSE EARTH FREE OF CLODS, STONES, ORGANIC MATTER, DEBRIS OR OTHER OBJECTS OF SIGNIFICANT SIZE. ALL BACKFILLING SHALL BE DONE IN SUCH A MANNER AS NOT TO DISTURB OR DAMAGE THE PIPE OR STRUCTURES OVER OR AGAINST WHICH IT IS BEING PLACED. ANY PIPE OR STRUCTURE DAMAGED OR MOVED FROM ITS PROPER LINE OR GRADE IN ANY BACKFILLING OPERATIONS SHALL BE REPAIRED AND THEN REBACKFILLED AS HEREIN SPECIFIED. THE PLACING OF BACKFILL MATERIAL SHALL NOT BEGIN UNTIL APPROVAL FOR SO DOING HAS BEEN GIVEN BY THE ENGINEER. BUT BACKFILLING ABOUT STRUCTURES OR PORTIONS OF STRUCTURES SHALL BE DONE IMMEDIATELY WHEN SO ORDERED BY THE ENGINEER. THE TOP SURFACE OF OTHER MATERIAL IS TO BE MAINTAINED SEPARATELY. SUCH MATERIAL SHALL BE CAREFULLY REPLACED IN A MANNER APPROVED BY THE ENGINEER. THE TOP TWELVE INCHES (12") OF BACKFILL MATERIAL SHALL BE OF AS GOOD OR BETTER QUALITY AS THE ORIGINAL TOP SOIL WHICH WAS REMOVED.	
2. COMPACTION REQUIREMENTS	
ALL BACKFILL SHALL BE PLACED AND COMPACTED BY 60 INCH (5) FT. 30 HAND-TAMMED EQUIPMENT AND THIRTY INCH (2) FT. 15 SELF-PROPELLED DRUM OR ROLLER EQUIPMENT TO THE FOLLOWING MINIMUM PERCENT OF STANDARD PROCTOR DENSITY OR RELATED DENSITY AS DETERMINED BY ASTM D-998. TESTS FOR MOISTURE DENSITY RELATIONS OF CORES AND SOIL ADOPTED AT INTERVALS AND ASTM D-2922 FOR RELATIVE DENSITY OF CONSOLIDATED SOBS, RESPECTIVELY. ASTM D-3084 SHALL BE PERFORMED ON CORES AND SOBS (ORGANIC) SOBS. CORRECTIVE BACKFILL MATERIAL SHALL REACH THE INDICATED COMPACTION LEVELS AT PLUS OR MINUS THREE PERCENT (3%) OF OPTIMUM MOISTURE CONTENT. THE LIFT THICKNESS SHALL BE REDUCED, IF NECESSARY, TO MEET THE COMPACTION SPECIFIED HEREIN.	
GENERAL LOCATION	PERCENT COMPACTION
STANDARD PROCTOR DENSITY BY ASTM D-998	RELATIVE DENSITY TEST BY ASTM - 2049
UNDER TRAFFIC AREA OR IMPROVED EXISTING SURFACES	95
URBAN & RESIDENTIAL AREAS	90
UNDEVELOPED & OTHER AREAS	85

SANITARY SEWER STANDARD DETAILS

DATE: 03/14/14
DRAWN BY: JCB
CHECKED BY: MWS/JW

SCALE: AS SHOWN

SHEET NUMBER S-STD-01

VITRIFIED CLAY PIPE DESIGN	
03/13/14	5-04

MANHOLE TESTING	
03/13/14	5-05

EMBODIMENT MATERIAL & TRENCH WIDTH TABLE	
03/13/14	5-06

BACKFILLING REQUIREMENTS	
03/13/14	5-07



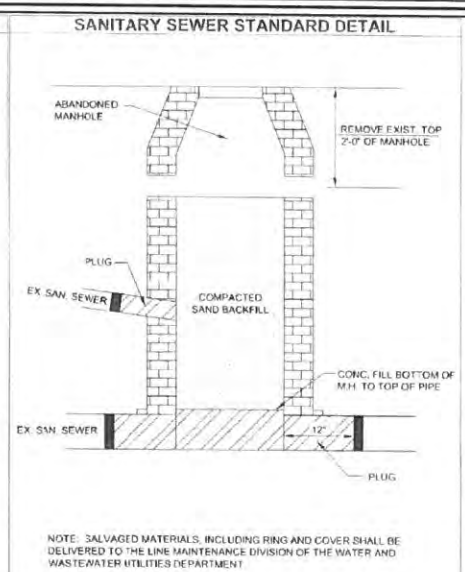
NO.	DATE	DESCRIPTION

SANITARY SEWER STANDARD DETAILS

DATE: 09/14/11
DRAWN BY: EBF
CHECKED BY: MVSE/JW

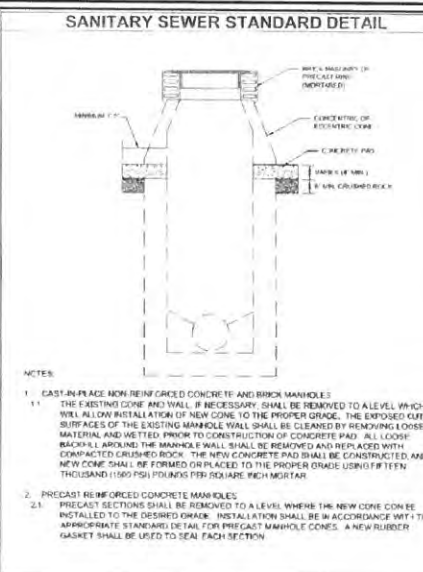
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SHEET NUMBER
S-STD-02



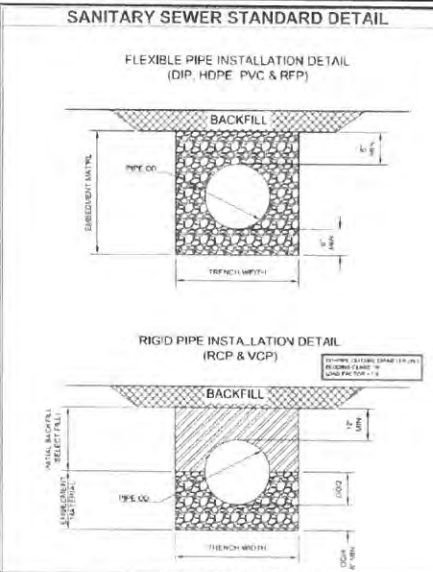
REINFORCED CONCRETE PRECAST 4 FT DIAMETER MANHOLE CONE

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



REINFORCED CONCRETE PRECAST MANHOLE STANDARD DETAIL

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



PIPE INSTALLATION DETAILS

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

3. COMPACTION METHODS

COMPACTION METHODS MAY VARY DEPENDING ON THE MATERIAL OR AS APPROVED BY THE ENGINEER.

A. COHESIVE MATERIALS

COMPACTION OF COHESIVE MATERIALS MAY BE OBTAINED BY USE OF IMPACT TYPE EQUIPMENT IN CONFINED AREAS. PNEUMATIC TAMPERS AND ENGINE DRIVEN ROLLERS MAY ALSO BE USED IN RELATIVELY SHALLOW TRENCHES. SELF-PROPULLED ROLLERS MAY BE USED IN WIDE TRENCHES. SHEET-PILE FOOT ROLLERS MAY BE USED.

B. COHESIVE-FSS MATERIALS

COHESIVE-FSS MATERIALS ARE GRANULAR MATERIALS CLASSIFIED AS NON-PLASTIC. IN GENERAL, VIBRATORY EQUIPMENT MAY BE USED FOR PROPER COMPACTION IN CONFINED AREAS. VIBRATORY PLATES MAY BE USED FOR WIDE TRENCHES. VIBRATORY ROLLERS MAY BE USED.

C. FLOODING OR JETTING

WHEN APPROVED BY THE ENGINEER, MATERIALS MAY ALSO BE COMPACTED OR SETTLED BY FLOODING WHERE ADOQUATE QUANTITIES OF WATER ARE AVAILABLE FROM THE CITY'S WATER SYSTEM. PRIVATELY OWNED POND, CREEKS OR OTHER SOURCES LOCATED WITHIN THREE HUNDRED FEET (300') OF THE TRENCH, WATER SHALL BE USED TO PRODUCE A STABLE LID MADE AROUND AND OUT OF THE TRENCH AT STREAM CROSSINGS OR OTHER PLACES OF ABRUPT CHANGE IN GROUND PROFILE. THE CONTRACTOR SHALL MAKE NECESSARY ARRANGEMENTS WITH THE CITY FOR THE PURCHASE OF WATER FROM THE CITY WATER MAINS, AND WITH OWNERS OF WATER PROCURED FROM PRIVATELY OWNED WATER SOURCES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO THE CONTRACTOR FOR SETTLING THE BACKFILL BY JETTING. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE UNIT PRICE BIDS FOR TRENCH EXCAVATION AND BACKFILL ON OTHER PAY ITEMS THE CONTRACTOR MAY ELECT.

4. COMPACTION REQUIREMENTS

ALL BACKFILL SHALL BE TESTED BY AN APPROVED LABORATORY FOR COMPLIANCE OF THE COMPACTION REQUIREMENTS.

5. SURFACE RESTORATION

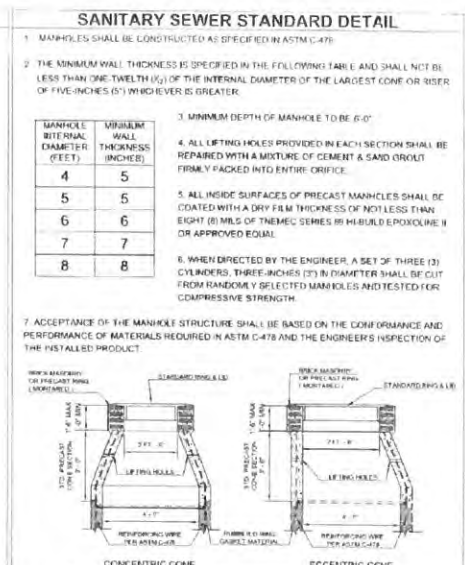
UPON COMPLETION OF BACKFILLING PROCEDURES, THE CONTRACTOR SHALL REPLACE ALL SURFACE MATERIALS AND SHALL RESTORE PAVING, CURBS, SIDEWALKS, GUTTERS, SUBURBERY, FENCES, SOG AND OTHER SURFACES DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION BEFORE WORK BEGAN.

BACKFILLING REQUIREMENTS

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR

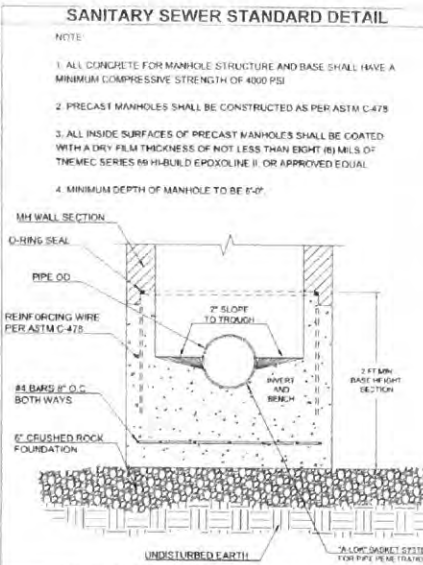
BACKFILLING REQUIREMENTS

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



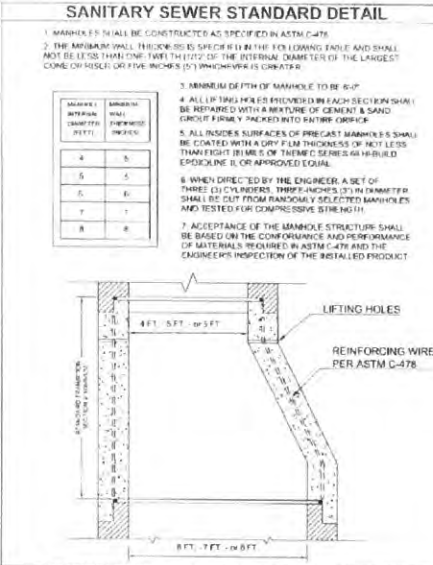
REINFORCED CONCRETE PRECAST 4 FT DIAMETER MANHOLE CONE

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



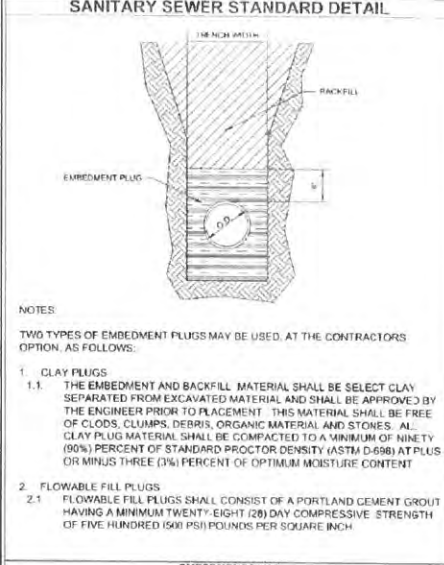
REINFORCED CONCRETE PRECAST MANHOLE STANDARD DETAIL

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



EMBEYMENT PLUG

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR



EMBEYMENT PLUG

APPROVED BY: [Signature] DATE: 11/10/11
MARGARET W. SLAGETER, P.E., UTILITIES DIRECTOR

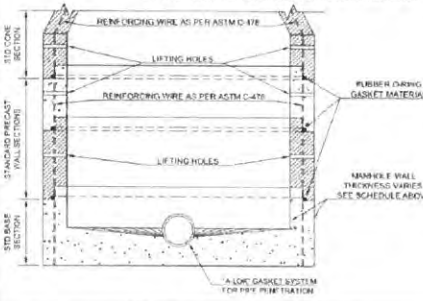
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SANITARY SEWER STANDARD DETAIL

- MANHOLE SHALL BE CONSTRUCTED AS SHOWN IN ASTM 1452.
- THE MINIMUM WALL THICKNESS SHALL BE AS SHOWN IN THE FOLLOWING TABLE AND SHALL NOT BE LESS THAN ONE-TWENTH (1/20) OF THE INTERNAL DIAMETER OF THE LARGEST PIPE OR RISER OR FIVE INCHES (5") WHICHEVER IS GREATER.

MANHOLE INTERNAL DIAMETER (FEET)	MINIMUM WALL THICKNESS (INCHES)
4	5
5	5
6	6
7	7
8	8

- ALL LIFTING HOLES PROVIDED IN EACH SECTION SHALL BE REPAIRED WITH A CURABLE TYPE OF GROUT AND SAND GRAPT FROM 1" RADIIED INTO ENTIRE DEPTH.
- ALL INSIDE SURFACES OF PRECAST MANHOLES SHALL BE COATED WITH A DRY FILM THICKNESS OF NOT LESS THAN 0.015 INCHES (1.5 MILS) OF THERMO-SEALER OR ITS EQUAL OR APPROVED EQUAL.
- WHEN DESIGNED BY THE ENGINEER, A SET OF THREE (3) CYLINDERS THREE INCHES (3") IN DIAMETER SHALL BE CUT FROM RANDOMLY SELECTED MANHOLES AND TESTED FOR COMPRESSIVE STRENGTH.
- ACCEPTANCE OF THE MANHOLE STRUCTURE SHALL BE BASED ON THE COMBINATION AND PERFORMANCE OF MATERIALS REQUIRED IN ASTM 1452 AND THE ENGINEER'S INSPECTION OF THE INSTALLED PRODUCT.

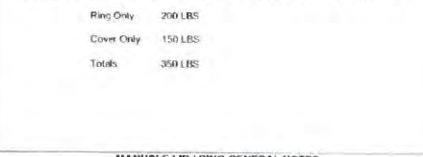


PRECAST MANHOLE WALL DETAIL

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-16
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

- GENERAL — Cast iron rings, lids, covers, grating and all cast iron fitting shall be sound, true to form and thickness, and neatly finished and shall fit together in a satisfactory manner. Castings shall be clean, uniform and whole without blow or sand holes, deposit, hard spots, shrinkage, distortion or any other surface defects which would render unusable. Casting surfaces shall be smooth and well-finished by steel blasting or other approved cleaning method. Flugging or filling holes or other defects shall not be permitted. Parting line and pouring gates shall be removed. Sharp edges resulting from fabrication shall be dulled by acceptable method to ensure safety in handling. Casting shall conform to the requirements of the Standard Specification for Gray Iron Fittings ASTM A-48, Class "30 B" for rings and "30 B" for covers and the approved Standard Details for Manhole Rings and Covers.
 All rings and covers shall be constantly and carefully placed. All rings shall be landed in a substantial layer of mortar, shall have a full bearing and shall be set to the exact grade. Unless other view shown, top of covers shall be flush with or slightly above the surrounding surface. When each cover is placed in any position on the ring, the side play shall not exceed one-eighth (1/8) inch in any direction.
- RINGS — Rings may be manufactured in accordance with the Standard Detail for Reversible Manhole Rings.
- COVERS —
 A. GENERAL — Manhole covers may be manufactured in accordance with the appropriate Standard Detail for Vented or Non-Vented Covers.
 B. COATING — When called for on the plans or specified, the underside of all manhole covers shall be given one (1) coat of asphalt varnish after visual inspection and approval on the job site.
 C. APPLICATION — All lids, covers in street right-of-way shall be non-vented and include frangulum or snow protectors.
- CASTING WEIGHTS — The maximum weight of casting will be not less than shown below.
 Ring Only: 200 LBS.
 Cover Only: 150 LBS.
 Totals: 350 LBS.

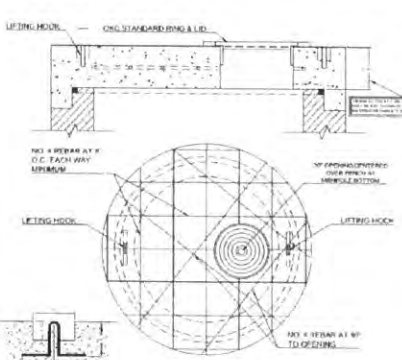


MANHOLE LID / RING GENERAL NOTES

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-20
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

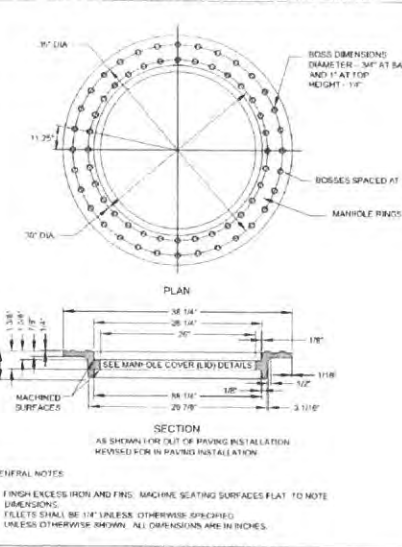
- MANHOLE TOPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM 1452 (LIFTING HOOD) SHALL BE CONSTRUCTED AS PER MANUFACTURER'S RECOMMENDATION.
- ALL INTERIOR SURFACES OF PRECAST FLAT TOP SHALL BE COATED WITH A DRY FILM THICKNESS OF NOT LESS THAN 0.015 INCHES (1.5 MILS) OF THERMO-SEALER OR ITS EQUAL OR APPROVED EQUAL.
- WHEN DESIGNED BY THE ENGINEER, A SET OF THREE (3) CYLINDERS THREE INCHES (3") IN DIAMETER SHALL BE CUT FROM RANDOMLY SELECTED MANHOLE TOPS AND TESTED FOR COMPRESSIVE STRENGTH OF 4000 PSI.
- ACCEPTANCE OF THE MANHOLE TOP STRUCTURE SHALL BE BASED ON THE COMBINATION AND PERFORMANCE OF MATERIALS REQUIRED IN ASTM 1452 AND THE ENGINEER'S INSPECTION OF THE INSTALLED PRODUCT.



PRECAST REINFORCED CONCRETE FLAT SLAB MANHOLE TOP

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-17
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

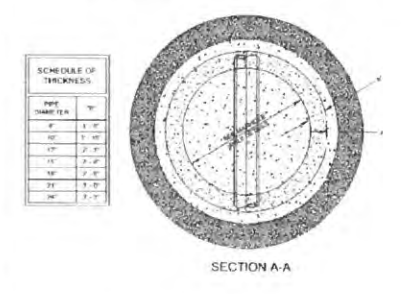
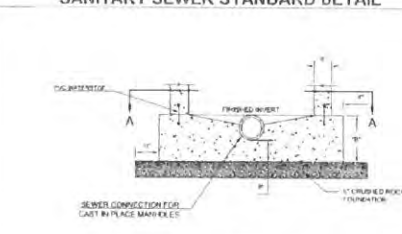
SANITARY SEWER STANDARD DETAIL



REVERSIBLE MANHOLE RING

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-21
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 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

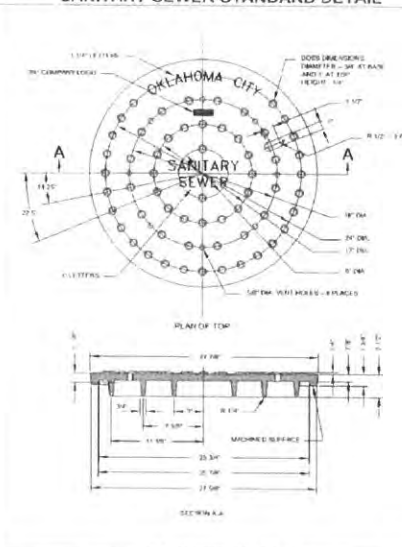
SANITARY SEWER STANDARD DETAIL



CAST-IN-PLACE CONCRETE MANHOLE BASE SECTION

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-18
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL



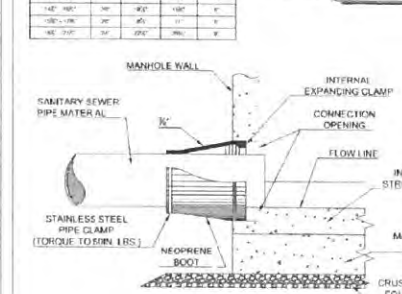
VENTED MANHOLE COVER

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-22
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

NOTE:
 1. ALL PIPE CLAMPS SHALL BE STAINLESS STEEL.
 2. NEOPRENE EPDM BLEND COMPOUNDED ROOT SHALL MEET ASTM L6431.

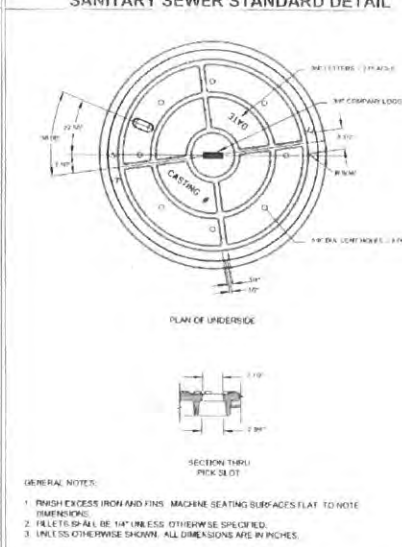
ROOST CLAMP SIZE (IN)	PIPE & ROOST DIAMETER (IN)	CLAMP SIZE (IN)
1 1/2"	1 1/2"	1 1/2"
2"	2"	2"
2 1/2"	2 1/2"	2 1/2"
3"	3"	3"
3 1/2"	3 1/2"	3 1/2"
4"	4"	4"
4 1/2"	4 1/2"	4 1/2"
5"	5"	5"
5 1/2"	5 1/2"	5 1/2"
6"	6"	6"
6 1/2"	6 1/2"	6 1/2"
7"	7"	7"
7 1/2"	7 1/2"	7 1/2"
8"	8"	8"
8 1/2"	8 1/2"	8 1/2"
9"	9"	9"
9 1/2"	9 1/2"	9 1/2"
10"	10"	10"



MANHOLE PIPE CONNECTION FOR CAST-IN-PLACE MANHOLES

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-19
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR


SANITARY SEWER STANDARD DETAIL



VENTED MANHOLE COVER

03/13/14 APPROVED BY: [Signature] DATE: 3/13/14 S-23
 DATE: [Signature] DATE: [Signature]
 OKLAHOMA CITY UTILITIES DEPARTMENT MANISHA W. BLANKENHORN, P.E., UTILITIES DIRECTOR

The City of Oklahoma City
 Utilities Department
 Engineering Division



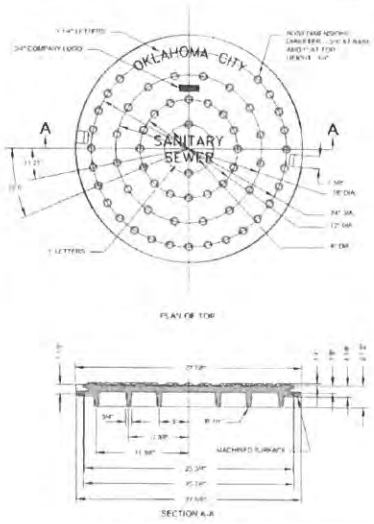
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SANITARY SEWER STANDARD DETAILS

DATE: 03/14/14
 DRAWN BY: BS
 CHECKED BY: MWS/EJM
 SCALE:
 AS SHOWN
 SHEET NUMBER
 S-STD-03

PLOTTED: Friday, March 28, 2014 3:52:57 PM
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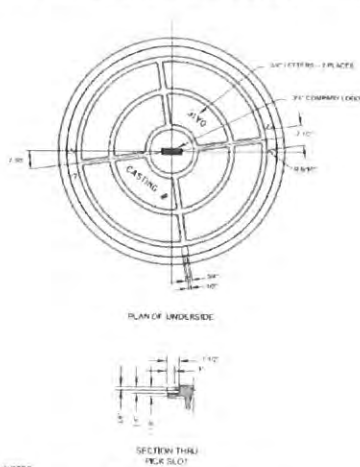
SANITARY SEWER STANDARD DETAIL



NON-VENTED MANHOLE COVER 1 of 2

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

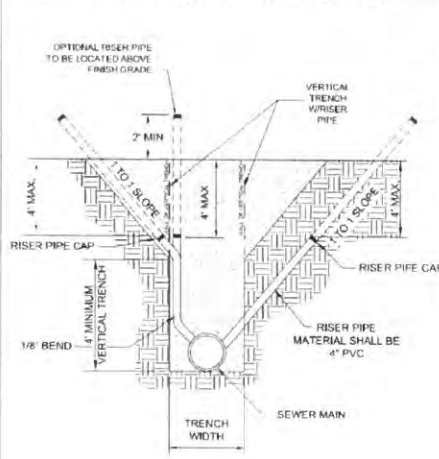


GENERAL NOTES:
 1. FINISH EXCESS IRON AND FIN. MACHINE SEATING SURFACES FLAT TO NOTE DIMENSIONS.
 2. TALLETS SHALL BE 1/4\"/>

NON-VENTED MANHOLE COVER 2 of 2

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL



SERVICE CONNECTION INSTALLATION

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

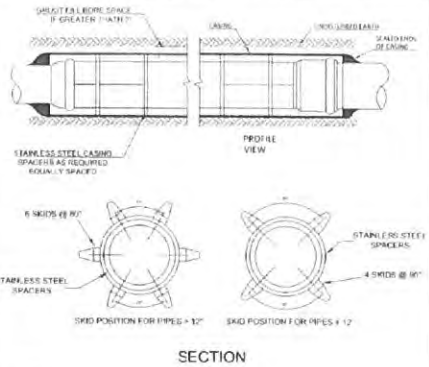
SANITARY SEWER STANDARD DETAIL

1. EXTERNAL CONNECTIONS FOR NEW CONSTRUCTION
 - a. WYE BRANCHES - For new construction there shall be installed wye branches of size and type shown on the plans with six (6") inch openings at locations shown on the plans or as described by the Engineer.
 - b. ELECTRO FUSION BONDED SADDLES - For new construction using "Trenchless Construction" technology with HDPE pipe, service connections shall be installed with an electro fusion bonded saddle.
2. EXTERNAL CONNECTION TO EXISTING MAIN - Connections to existing main may be accomplished as follows:
 - a. SADDLES - Connections may be made by excavating the existing main and cutting a hole using approved equipment and installing a saddle. Sewer service connections constructed with saddles shall include straps, a one-eighth (1/8") degree bend, and a closure piece, when existing main has been rehabilitated by trenchless method of construction, the saddle connection shall be made to the pipe or liner.
 - b. TEES - Connections may be made by removing a section of existing pipe and installing a tee branch. Fillings and closure assembly shall be used to make the connection and shall be supplied in a normal diameter or six (6") inches. The external connection shall be considered complete when backfilling and surface restoration is complete. Service connections constructed with wye branches shall include a one-eighth (1/8") degree bend, elbow, and when required, a closure piece.
3. RISER
 - a. INSTALLATION - The pipe may be installed in one of four ways shown on "Service Connection Details." Vertical installation is only approved if approved by the City Engineer.
 - b. SIZE AND MATERIAL - The riser pipe shall be four inch (4") PVC.
4. LOCATOR TAPE - A locator tape, green in color stating "CAUTION - SANITARY SEWER RISER BURIED BELOW" shall be attached to the sanitary sewer main and extended to a minimum of two (2') feet above the ground, the tape shall be three (3") inch wide DuraTac as manufactured by THOR Enterprises, Inc. of Sun Prairie, Wisconsin or approved equal.

SERVICE CONNECTION INSTALLATION

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL



NOTES:
 1. PLUGGED PIPE ENDS:
OPTION A - BROUT - both ends of the casing pipe shall be plugged with a grout or concrete having a minimum compressive strength of twenty-five hundred (2500 psi) pounds per square inch or greater masonry. Each plug shall be a minimum length of eighteen (18) inches. The grout pressure shall be in accordance with the pipe manufacturer's recommendations.
OPTION B - SEALS - both ends shall be sealed with neoprene rubber seals with stainless steel bandings.

BORE AND ENCASUREMENT DETAIL 1 of 2

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

SANITARY SEWER STANDARD DETAIL

2. CASING PIPE SIZE - Small casing pipe shall have the following suggested minimum diameters:

PIPE NOMINAL SIZE (inches)	SUGGESTED CASING PIPE INSIDE DIAMETER (inches)
4	8 in. 00
6	10 in. 00
8	14 in. 00
10	16 in. 00
12	18 in. 00
14	22 in. 00
16	24 in. 00
18	28 in. 00
20	30 in. 00
22	32 in. 00
24	36 in. 00
26	40 in. 00
28	42 in. 00
30	48 in. 00

3. CASING PIPE THICKNESS - Steel casing pipe shall have the following minimum thicknesses, in inches, for the indicated minimum depth of covers, or less or as required for the reason of the type of construction:

DEPTH FROM TOP (INCHES)	UPPER HALF ROAD		LOWER HALF ROAD	
	MINIMUM WALL THICKNESS (INCHES)	MINIMUM COVER (INCHES)	MINIMUM WALL THICKNESS (INCHES)	MINIMUM COVER (INCHES)
0-12	0.1885	30	0.2500	0.2500
12-18	0.2500	30	0.2500	0.2500
18-24	0.2500	30	0.2500	0.2500
24-30	0.2500	30	0.2500	0.2500
30-36	0.2500	30	0.2500	0.2500
36-42	0.2500	30	0.2500	0.2500
42-48	0.2500	30	0.2500	0.2500
48-54	0.2500	30	0.2500	0.2500
54-60	0.2500	30	0.2500	0.2500
60-66	0.2500	30	0.2500	0.2500
66-72	0.2500	30	0.2500	0.2500
72-78	0.2500	30	0.2500	0.2500
78-84	0.2500	30	0.2500	0.2500
84-90	0.2500	30	0.2500	0.2500
90-96	0.2500	30	0.2500	0.2500
96-102	0.2500	30	0.2500	0.2500
102-108	0.2500	30	0.2500	0.2500
108-114	0.2500	30	0.2500	0.2500
114-120	0.2500	30	0.2500	0.2500
120-126	0.2500	30	0.2500	0.2500
126-132	0.2500	30	0.2500	0.2500
132-138	0.2500	30	0.2500	0.2500
138-144	0.2500	30	0.2500	0.2500
144-150	0.2500	30	0.2500	0.2500
150-156	0.2500	30	0.2500	0.2500
156-162	0.2500	30	0.2500	0.2500
162-168	0.2500	30	0.2500	0.2500
168-174	0.2500	30	0.2500	0.2500
174-180	0.2500	30	0.2500	0.2500
180-186	0.2500	30	0.2500	0.2500
186-192	0.2500	30	0.2500	0.2500
192-198	0.2500	30	0.2500	0.2500
198-204	0.2500	30	0.2500	0.2500
204-210	0.2500	30	0.2500	0.2500
210-216	0.2500	30	0.2500	0.2500
216-222	0.2500	30	0.2500	0.2500
222-228	0.2500	30	0.2500	0.2500
228-234	0.2500	30	0.2500	0.2500
234-240	0.2500	30	0.2500	0.2500
240-246	0.2500	30	0.2500	0.2500
246-252	0.2500	30	0.2500	0.2500
252-258	0.2500	30	0.2500	0.2500
258-264	0.2500	30	0.2500	0.2500
264-270	0.2500	30	0.2500	0.2500
270-276	0.2500	30	0.2500	0.2500
276-282	0.2500	30	0.2500	0.2500
282-288	0.2500	30	0.2500	0.2500
288-294	0.2500	30	0.2500	0.2500
294-300	0.2500	30	0.2500	0.2500

4. CASING MATERIAL - Small casing pipe shall conform with ASTM A 138, Standard Specification for Electro Fusion (ARC) Welded Steel Pipe (Pipes and Fittings). The steel material shall be new, smooth wall, carbon steel, Grade B, with a minimum tensile strength, and minimum yield (or minimum 65,000 psi) pounds per square inch yield strength.

BORE AND ENCASUREMENT DETAIL 2 of 2

03/13/14 APPROVED BY: [Signature] DATE: 3/14/14
 DATE: [Signature] DATE: 3/14/14
 OKLAHOMA CITY UTILITIES DEPARTMENT MANHOLE W. SALGATER, P.E., UTILITIES DIRECTOR

The City of
Oklahoma City
 Utilities Department
 Engineering Division

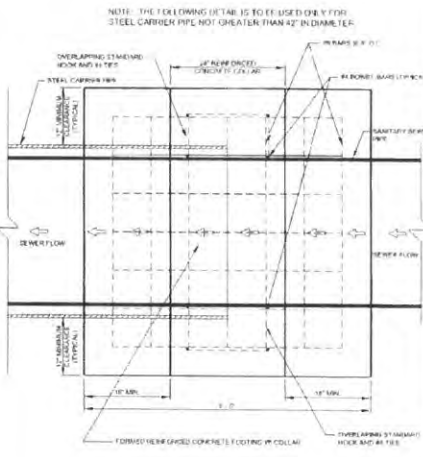
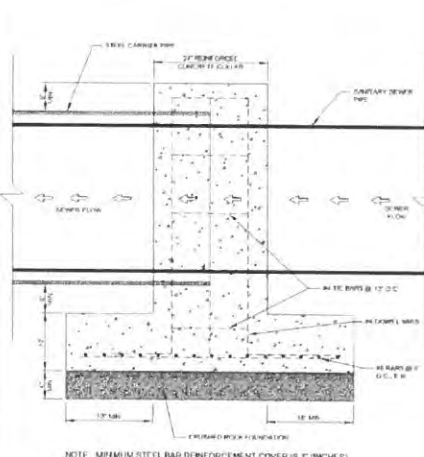
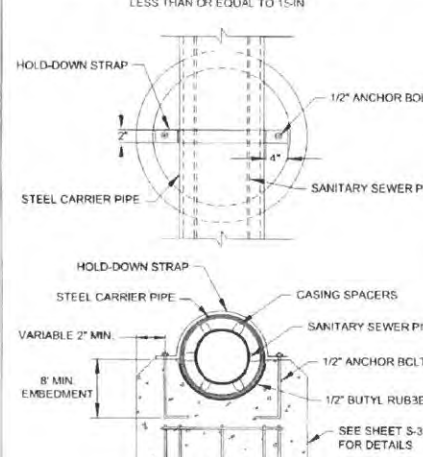
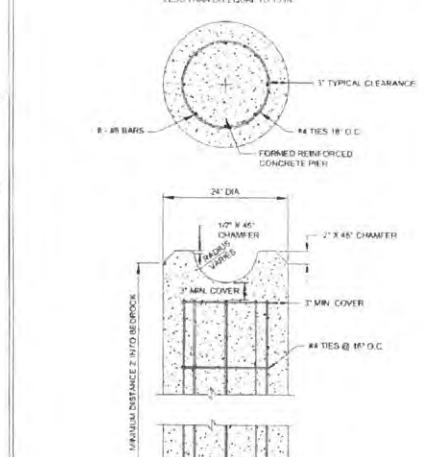
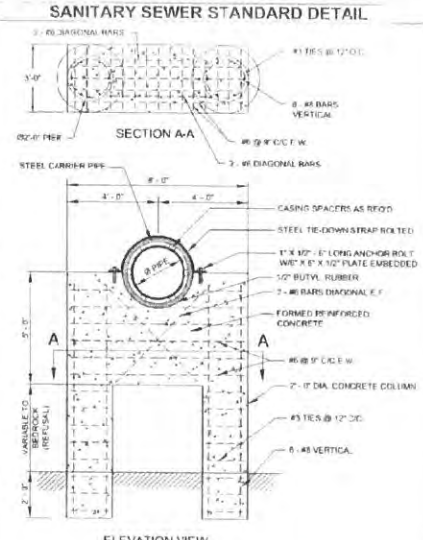


NO.	DATE	DESCRIPTION

**SANITARY SEWER
 STANDARD DETAILS**

DATE: 03/14/14
 DRAWN BY: LRS
 CHECKED BY: MWSEJW
 SCALE:
 AS SHOWN
 SHEET NUMBER
S-STD-04

PLOTTED: Friday, March 28, 2014 3:10:01 PM
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<p>SANITARY SEWER STANDARD DETAIL</p> <p>NOTE: THE FOLLOWING TABLE IS TO BE USED ONLY FOR STEEL CARRIER PIPE NOT GREATER THAN 42" IN DIAMETER.</p>  <p>PLAN VIEW</p> <p>CONCRETE COLLAR WITH SPREAD FOOTING 1 of 2</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-30</p>	<p>SANITARY SEWER STANDARD DETAIL</p>  <p>ELEVATION VIEW</p> <p>CONCRETE COLLAR WITH SPREAD FOOTING 2 of 2</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-31</p>	<p>SANITARY SEWER STANDARD DETAIL</p> <p>FOR SANITARY SEWER PIPE LESS THAN OR EQUAL TO 15-IN</p>  <p>TYPE I PIER</p> <p>FOR SANITARY SEWER PIPE LESS THAN OR EQUAL TO 15-IN</p> <p>TYPE I PIER 1 of 2</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-32</p>	<p>SANITARY SEWER STANDARD DETAIL</p> <p>FOR SANITARY SEWER PIPE LESS THAN OR EQUAL TO 15-IN</p>  <p>TYPE I PIER</p> <p>FOR SANITARY SEWER PIPE LESS THAN OR EQUAL TO 15-IN</p> <p>TYPE I PIER 2 of 2</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-33</p>																																																																																																																																																																																																																																																																																																																																																																						
<p>SANITARY SEWER STANDARD DETAIL</p>  <p>SECTION A-A</p> <p>ELEVATION VIEW</p> <p>TYPE II PIER</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-34</p>	<p>SANITARY SEWER STANDARD DETAIL</p> <p>TABLE OF STEEL CARRIER PIPE SIZES</p> <p>Wall Thickness (in)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Nominal Size [in]</th> <th colspan="11">Span Length - [ft]</th> </tr> <tr> <th>3/16</th><th>1/8</th><th>5/16</th><th>3/8</th><th>7/16</th><th>1/2</th><th>5/8</th><th>3/4</th><th>7/8</th><th>1</th><th></th> </tr> </thead> <tbody> <tr><td>6</td><td>36</td><td>40</td><td>44</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td>38</td><td>42</td><td>45</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td>39</td><td>43</td><td>46</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td>40</td><td>44</td><td>47</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td>40</td><td>44</td><td>47</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>16</td><td>41</td><td>45</td><td>48</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>18</td><td>41</td><td>45</td><td>48</td><td>52</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>20</td><td>42</td><td>46</td><td>50</td><td>53</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>22</td><td>42</td><td>46</td><td>51</td><td>54</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>24</td><td>42</td><td>48</td><td>52</td><td>55</td><td>58</td><td>60</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>26</td><td>43</td><td>48</td><td>52</td><td>56</td><td>59</td><td>61</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>28</td><td>43</td><td>48</td><td>53</td><td>56</td><td>59</td><td>62</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>30</td><td>43</td><td>49</td><td>53</td><td>57</td><td>60</td><td>63</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>32</td><td>44</td><td>49</td><td>54</td><td>57</td><td>61</td><td>64</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>34</td><td>44</td><td>49</td><td>54</td><td>58</td><td>61</td><td>64</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>36</td><td>44</td><td>50</td><td>54</td><td>58</td><td>62</td><td>65</td><td>70</td><td></td><td></td><td></td><td></td></tr> <tr><td>38</td><td>44</td><td>50</td><td>55</td><td>59</td><td>62</td><td>65</td><td>70</td><td></td><td></td><td></td><td></td></tr> <tr><td>40</td><td>44</td><td>50</td><td>55</td><td>59</td><td>63</td><td>66</td><td>71</td><td></td><td></td><td></td><td></td></tr> <tr><td>42</td><td>44</td><td>50</td><td>55</td><td>59</td><td>63</td><td>66</td><td>71</td><td></td><td></td><td></td><td></td></tr> <tr><td>45</td><td></td><td>51</td><td>55</td><td>60</td><td>63</td><td>67</td><td>72</td><td></td><td></td><td></td><td></td></tr> <tr><td>48</td><td></td><td>51</td><td>56</td><td>60</td><td>64</td><td>67</td><td>73</td><td>78</td><td></td><td></td><td></td></tr> <tr><td>51</td><td></td><td>51</td><td>56</td><td>60</td><td>64</td><td>68</td><td>74</td><td>79</td><td></td><td></td><td></td></tr> <tr><td>54</td><td></td><td>51</td><td>56</td><td>61</td><td>65</td><td>68</td><td>74</td><td>79</td><td></td><td></td><td></td></tr> <tr><td>57</td><td></td><td>51</td><td>57</td><td>61</td><td>65</td><td>69</td><td>75</td><td>80</td><td></td><td></td><td></td></tr> <tr><td>60</td><td></td><td>51</td><td>57</td><td>61</td><td>65</td><td>69</td><td>75</td><td>80</td><td></td><td></td><td></td></tr> <tr><td>63</td><td></td><td>52</td><td>57</td><td>62</td><td>66</td><td>69</td><td>76</td><td>81</td><td></td><td></td><td></td></tr> <tr><td>66</td><td></td><td>52</td><td>57</td><td>62</td><td>66</td><td>70</td><td>76</td><td>81</td><td>86</td><td>90</td><td></td></tr> <tr><td>72</td><td></td><td>52</td><td>58</td><td>62</td><td>66</td><td>70</td><td>77</td><td>82</td><td>87</td><td>92</td><td></td></tr> </tbody> </table> <p>Reference: ASWWA M-11, 4th Edition, 2004, "Steel Pipe - A Guide for Design and Installation", Table 7.1</p> <p>STEEL CARRIER PIPE SIZES MAXIMUM SPAN LENGTH</p> <p>TYPE II PIER</p> <p>APPROVED BY: [Signature] DATE: 3/14/14 DATE: [Signature] DATE: 3/14/14 OKLAHOMA CITY UTILITIES DEPARTMENT MARSHALL W. SALZGRIFF, P.E., UTILITIES DIRECTOR S-35</p>		Nominal Size [in]	Span Length - [ft]											3/16	1/8	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1		6	36	40	44									8	38	42	45									10	39	43	46									12	40	44	47									14	40	44	47									16	41	45	48									18	41	45	48	52								20	42	46	50	53								22	42	46	51	54								24	42	48	52	55	58	60						26	43	48	52	56	59	61						28	43	48	53	56	59	62						30	43	49	53	57	60	63						32	44	49	54	57	61	64						34	44	49	54	58	61	64						36	44	50	54	58	62	65	70					38	44	50	55	59	62	65	70					40	44	50	55	59	63	66	71					42	44	50	55	59	63	66	71					45		51	55	60	63	67	72					48		51	56	60	64	67	73	78				51		51	56	60	64	68	74	79				54		51	56	61	65	68	74	79				57		51	57	61	65	69	75	80				60		51	57	61	65	69	75	80				63		52	57	62	66	69	76	81				66		52	57	62	66	70	76	81	86	90		72		52	58	62	66	70	77	82	87	92	
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The City of
Oklahoma City
 Utilities Department
 Engineering Division



NO.	DATE	DESCRIPTION

**SANITARY SEWER
 STANDARD DETAILS**

DATE: 03/14/14
 DRAWN BY: [Signature]
 CHECKED BY: MWSE/JW

SCALE:
 AS SHOWN

SHEET NUMBER
S-STD-05

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: October 17, 2023
Subject: Request Permission to Advertise for Bids for Pavement Improvement Project G.O. Bond Proposition 1-E (NW 30th from Rockwell to Peniel), Proposition 1-F (Mueller from NW 44th to NW 50th), and Proposition 1-G (Divis from NW 36th to NW 39th)

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 1, that included Proposition 1-E (NW 30th from Rockwell to Peniel), Proposition 1-F (Mueller from NW 44th to NW 50th), and Proposition 1-G (Divis – NW 36th to NW 39th)

On November 15, 2022, the City of Bethany entered into a contract for engineering and design services with TEIM Design, LLC.

TEIM Design now requests permission to advertise for bids.

RECOMMENDATION

- 1 Approve permission to advertise for bids for Pavement Improvement Project G.O. Bond Proposition 1-E (NW 30th from Rockwell to Peniel), Proposition 1-F (Mueller from NW 44th to NW 50th), and Proposition 1-G (Divis from NW 36th to NW 39th).

ADDITIONAL COMMENTS



CITY OF BETHANY PUBLIC WORKS DEPARTMENT

PLAN OF PROPOSED CITY STREETS PAVEMENT REHABILITATION PLANS

NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE. G.O. BOND

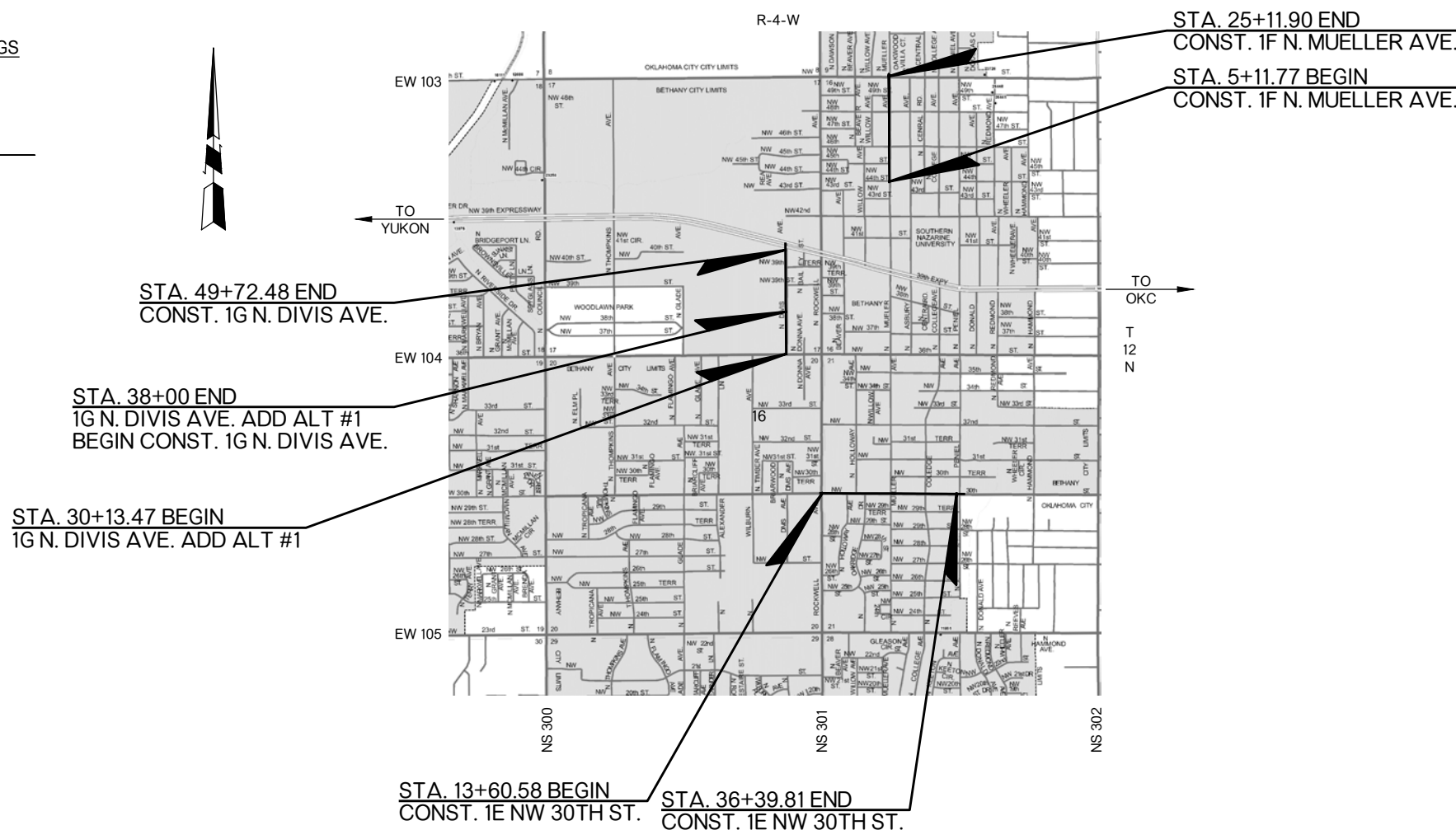
PROJECT NO. 2023001(1E, 1F & 1G)

INDEX OF SHEETS

0001	TITLE SHEET
0002	INDEX OF SEALS
0003	TYPICAL SECTION
AR01-AR03	SUMMARY OF PAY QUANTITIES & NOTES
AR04-AR06	SUMMARIES
AR07-AR09	SUGGESTED SEQUENCE OF CONSTRUCTION
R001-R010	PLAN AND PROFILE SHEETS
R011-R016	JOINT LAYOUT SHEETS
R017-R021	REMOVAL & EROSION CONTROL SHEETS

THE FOLLOWING ODOT STANDARD DRAWINGS SHALL BE REQUIRED FOR THIS PROJECT:

2019 ROADWAY	2019 TRAFFIC SIGNING & STRIPING	CONTROL
BMPR-0		
TESCA-1		
IPD-0		
RSF-0		
TSD-0		
SCE-0		
CWA-0		
SSS-2-1		
ASCD-6-1		
CSCD-6-2		
LECS-5-2		
LTU-5-1		
PR-4-1		
PED-4-1		
TWD-2-2		
SSCD-4-1		
CI-2-2		
SSIF-5-1		
CIG-4-1		
PUD-4-1		
MI-4-2		
SUEL1-4-1		
SUEL2-4-1		



PROJECT LENGTH BASED ON CRL STATIONING.

N. 30TH AVE. LENGTH	2279.23 FT.	0.431 MI.
N. MUELLER AVE. LENGTH	2000.13 FT.	0.378 MI.
N. DIVIS AVE. LENGTH	1172.48 FT.	0.222 MI.
PROJECT LENGTH		1.031 MI.

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

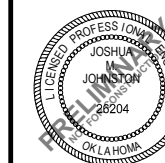


CITY OF BETHANY, OKLAHOMA

NIKKI LLOYD	MAYOR
COUNCIL MEMBERS:	
PETER PLANK	WARD 1
CHRIS POWELL	WARD 1
KEN SMART	WARD 2
STEVE PALMER	WARD 2
MARILYN MCPHAIL	WARD 3
KATHY LARSEN	WARD 3
BRIAN MAGIROWSKY	WARD 4
JEFF KNAPP	WARD 4
ELIZABETH GRAY	CITY MANAGER

RECOMMENDED FOR APPROVAL

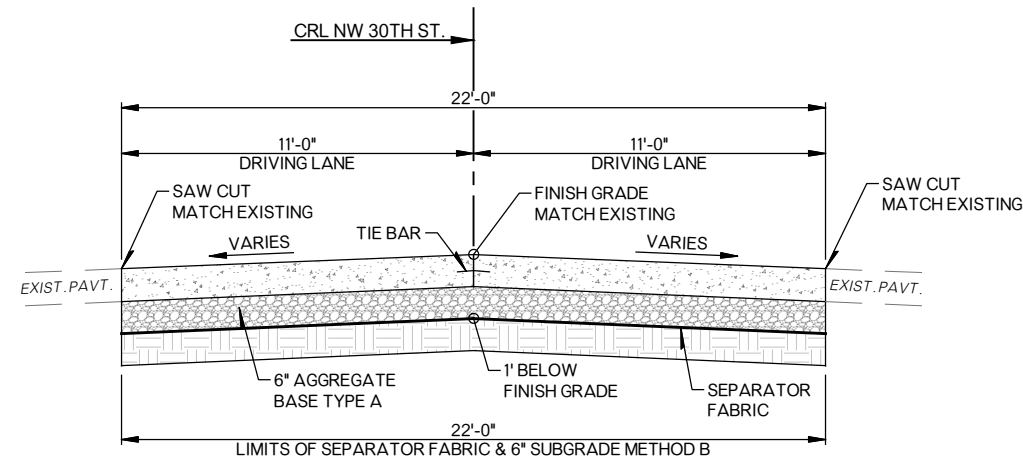
ROBERT DON WILLIAMS, P.E. CITY ENGINEER	DATE
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TEIM DESIGN, PLLC
3020 N.W. 149TH STREET
OKLAHOMA CITY, OK 73134
PH. (405) 752-1122
FAX (405) 752-8855
CA# 8428, RENEWAL 06-30-2025

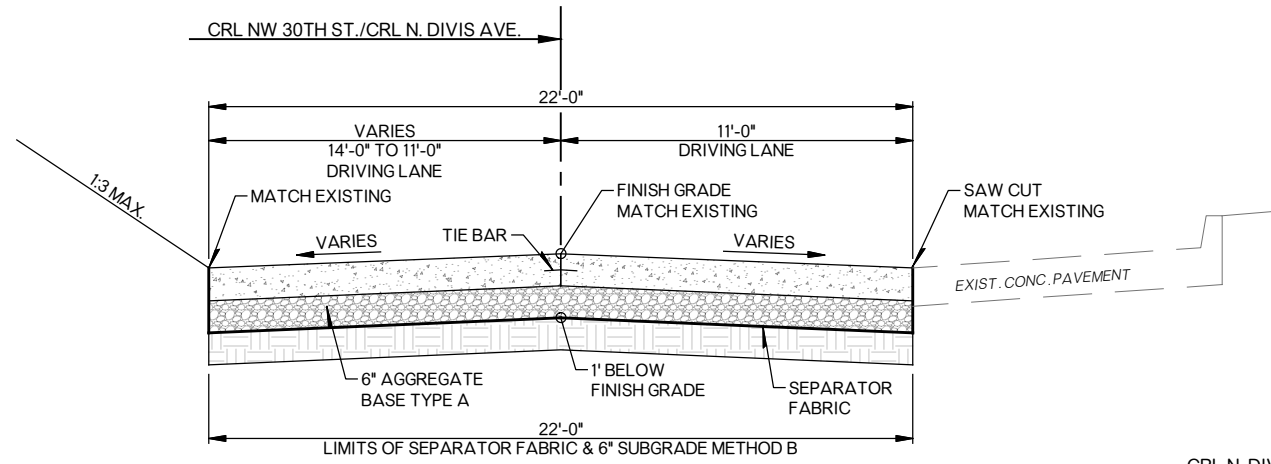
JOSHUA M. JOHNSTON LICENSED PROFESSIONAL ENGINEER NO. 26204	DATE
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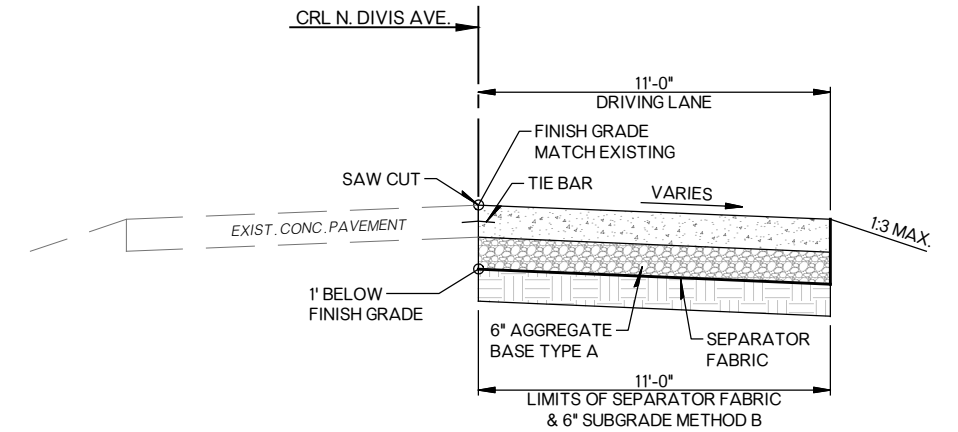
TYPICAL SECTION NO. 1
 1E - NW 30TH ST.
 STA. 13+60.58 TO STA. 17+16.54

PAVEMENT REQUIREMENTS	
PAVEMENT STRUCTURE	DRIVING LANE
SURFACE COURSE	6" P.C. CONCRETE PAVEMENT (3,500 PSI)



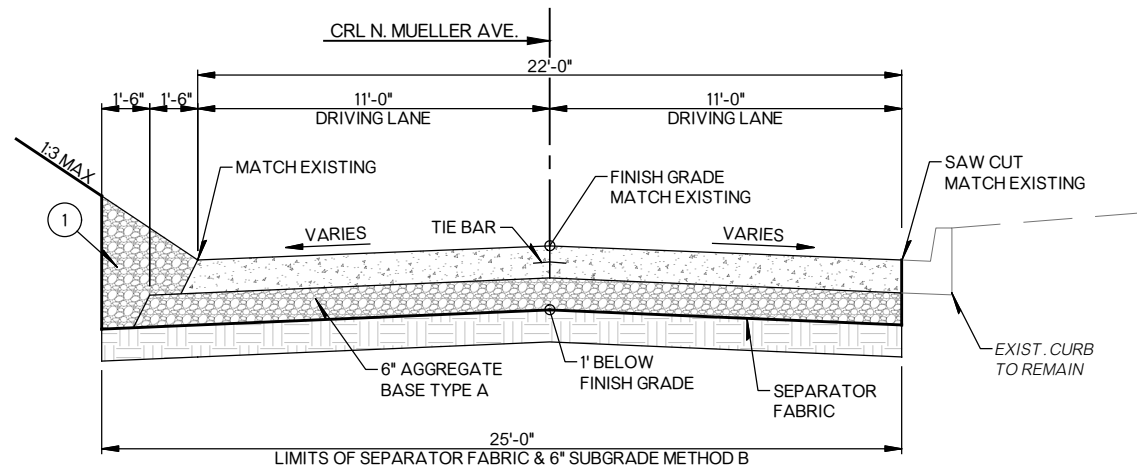
TYPICAL SECTION NO. 2
 1E - NW 30TH ST.
 STA. 17+16.54 TO STA. 23+68.88
 1F - MUELLER AVE.
 STA. 30+15 TO STA. 36+39.81
 1G - DIVIS AVE.
 STA. 38+00 TO STA. 43+61.75

PAVEMENT REQUIREMENTS	
6" PAVEMENT STRUCTURE	DRIVING LANE
SURFACE COURSE	6" P.C. CONCRETE PAVEMENT (3,500 PSI)



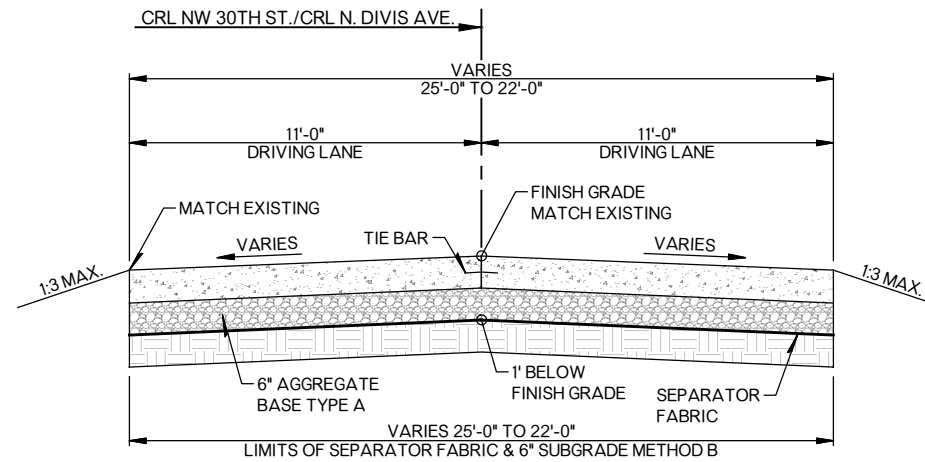
TYPICAL SECTION NO. 5
 ADD ALT. 1
 1G - DIVIS AVE.
 STA. 30+13.47 TO STA. 38+00

PAVEMENT REQUIREMENTS	
6" PAVEMENT STRUCTURE	DRIVING LANE
SURFACE COURSE	6" P.C. CONCRETE PAVEMENT (3,500 PSI)



TYPICAL SECTION NO. 3
 1F - N. MUELLER AVE.
 STA. 5+11.77 TO STA. 10+81.46

PAVEMENT REQUIREMENTS	
PAVEMENT STRUCTURE	DRIVING LANE
SURFACE COURSE	6" P.C. CONCRETE PAVEMENT (3,500 PSI)



TYPICAL SECTION NO. 4
 1F - N. MUELLER AVE.
 STA. 10+81.46 TO STA. 25+11.90
 1E - NW 30TH ST.
 STA. 23+68.88 TO STA. 30+15
 1G - N. DIVIS AVE.
 STA. 43+61.75 TO STA. 49+72.48

PAVEMENT REQUIREMENTS	
PAVEMENT STRUCTURE	DRIVING LANE
SURFACE COURSE	6" P.C. CONCRETE PAVEMENT (3,500 PSI)

- ① BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS. QUANTITY IS MEASURED IN TBSC TYPE E.
- ② THE CONTRACTOR SHALL GRADE BACK AND WINDROW TOPSOIL AND ORGANIC MATERIAL PRIOR TO REMOVAL OF PAVEMENTS. ONCE SURFACING ACTIVITIES HAVE ENDED, GRADE BACK WINDROWED TOPSOIL AND ORGANIC MATERIAL, COMPACT AND WATER. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.
- ③ CONC. CURB (8" BARRIER-INTEGRAL)

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

TYPICAL SECTIONS

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

PAY QUANTITY NOTES

- (R-4) TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5" ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.
- (R-6) FOR SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SY.
- (R-8) PRICE BID TO INCLUDE COST OF ALL NECESSARY MAINTENANCE, MAINTAINING DEVICE IN PROPER UPRIGHT POSITION, REMOVAL OF DEVICE, AND REMOVAL OF SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE DEVICE.
- (R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.
- (R-39) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.
- (R-40) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.
- (1) COST OF CLEARING AND GRUBBING TO INCLUDE THE REMOVAL OF TREES AND ROOTS WHICH ARE IN CONFLICT WITH OR COULD POSE FUTURE HARM TO THE PROPOSED PAVEMENT ONLY.
- (2) EARTHWORK IS ESTIMATED AT 1039 CY OF UNCLASSIFIED EXCAVATION.
- (3) TYPE A SALVAGED TOPSOIL TO BE INCLUDED IN THE PRICE BID FOR EARTHWORK. TOPSOIL SHALL BE ROLLED SMOOTH TO THE SATISFACTION OF THE CITY OF BETHANY PRIOR TO PLACEMENT OF SOD.

GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS AND BEFORE PAVEMENT WORK IS COMPLETED, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIED EXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE PLACED SHALL HAVE 18-46-0 FERTILIZER APPLIED, AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL BE FERTILIZED AND WATERED AS CALLED FOR ON THE PLANS, BUT SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

ONLY THE SILICONE SEALANT OPTIONS, FROM STANDARD LECS-5, WILL BE ALLOWED ON THIS PROJECT.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

CONTRACTOR SHALL PROTECT VALVES AND APPURTENANCES WITHIN THE PROPOSED PAVEMENT AND SHALL ENSURE THAT SUCH FEATURES ARE NOT COVERED BY PROPOSED PAVEMENT.

1E - NW 30TH AVE. - PAY QUANTITIES - ROADWAY

ROADWAY 100			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201(A) 1200	CLEARING AND GRUBBING (1)	LSUM	1.0
202(H) 2900	EARTHWORK (2), (3), (R-4, R-6)	LSUM	1.0
221(C) 2400	TEMPORARY SEDIMENT FILTER (R-8)	EA	7.0
221(E) 2600	TEMPORARY SILT DIKE (R-8)	LF	84.0
230(A) 7200	SOLID SLAB SODDING (R-6, R-7)	SY	344.0
303(A) 1200	AGGREGATE BASE TYPE A (R-16)	CY	984.0
310(B) 5300	SUBGRADE, METHOD B	SY	5,901.0
325 0100	SEPARATOR FABRIC	SY	5,901.0
414(A) 5200	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	5,901.0
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	984.0
609(A) 4270	CONC. CURB (8" BARRIER-INTEGRAL)	LF	94.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-39, R-40)	LSUM	1.0
619(B) 6360	REMOVAL OF CONCRETE PAVEMENT (R-40, R-41)	SY	222.0
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT (R-40, R-41)	SY	5,674.0
619(B) 6400	REMOVAL OF CURB (R-40, R-41)	LF	15.0
619(C) 6600	SAWING PAVEMENT	LF	2,897.0

1E - NW 30TH AVE. - PAY QUANTITIES - STAKING

STAKING 600			
ITEM	DESCRIPTION	UNIT	QUANTITY
642(B) 3300	CONSTRUCTION STAKING LEVEL II	LSUM	1

1E - NW 30TH AVE. - PAY QUANTITIES - CONSTRUCTION

CONSTRUCTION 640			
ITEM	DESCRIPTION	UNIT	QUANTITY
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641 2110	MOBILIZATION	LSUM	1

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

**SUMMARY OF PAY QUANTITY AND NOTES
1E - NW 30TH AVE.**

PAY QUANTITY NOTES

- (R-4) TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5" ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.
- (R-6) FOR SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SY.
- (R-8) PRICE BID TO INCLUDE COST OF ALL NECESSARY MAINTENANCE, MAINTAINING DEVICE IN PROPER UPRIGHT POSITION, REMOVAL OF DEVICE, AND REMOVAL OF SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE DEVICE.
- (R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.
- (R-39) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.
- (R-40) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.
- (1) COST OF CLEARING AND GRUBBING TO INCLUDE THE REMOVAL OF TREES AND ROOTS WHICH ARE IN CONFLICT WITH OR COULD POSE FUTURE HARM TO THE PROPOSED PAVEMENT ONLY.
- (2) EARTHWORK IS ESTIMATED AT 1267 CY OF UNCLASSIFIED EXCAVATION.
- (3) TYPE A SALVAGED TOPSOIL TO BE INCLUDED IN THE PRICE BID FOR EARTHWORK. TOPSOIL SHALL BE ROLLED SMOOTH TO THE SATISFACTION OF THE CITY OF BETHANY PRIOR TO PLACEMENT OF SOD.

GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

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AREAS ON WHICH SALVAGED TOPSOIL IS TO BE PLACED SHALL HAVE 18-46-0 FERTILIZER APPLIED, AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

ONLY THE SILICONE SEALANT OPTIONS, FROM STANDARD LECS-5, WILL BE ALLOWED ON THIS PROJECT.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

THE CONTRACTOR SHALL PROTECT VALVES AND APPURTENANCES WITHIN THE PROPOSED PAVEMENT AND SHALL ENSURE THAT SUCH FEATURES ARE NOT COVERED BY PROPOSED PAVEMENT.

1F- N. MUELLER AVE. - PAY QUANTITIES - ROADWAY

ROADWAY 100			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201(A) 1200	CLEARING AND GRUBBING (1)	LSUM	1.0
202(H) 2900	EARTHWORK (2), (3), (R-4, R-6)	LSUM	1.0
221(C) 2400	TEMPORARY SEDIMENT FILTER (R-8)	EA	7.0
221(E) 2600	TEMPORARY SILT DIKE (R-8)	LF	14.0
230(A) 7200	SOLID SLAB SODDING (R-6, R-7)	SY	494.0
303(A) 1200	AGGREGATE BASE TYPE A (R-16)	CY	885.0
310(B) 5300	SUBGRADE, METHOD B	SY	5,306.0
325 0100	SEPARATOR FABRIC	SY	5,306.0
414(A) 5200	P.C. CONCRETE PAVEMENT(PLACEMENT)	SY	5,306.0
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	885.0
609(A) 4270	CONC. CURB (8" BARRIER-INTEGRAL)	LF	51.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-39, R-40)	LSUM	1.0
619(B) 6360	REMOVAL OF CONCRETE PAVEMENT (R-40, R-41)	SY	111.0
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT (R-40, R-41)	SY	5,258.0
619(B) 6400	REMOVAL OF CURB (R-40, R-41)	LF	14.0
619(C) 6600	SAWING PAVEMENT	LF	2,401.0

1F- N. MUELLER AVE. - PAY QUANTITIES - STAKING

STAKING 600			
ITEM	DESCRIPTION	UNIT	QUANTITY
642(B) 3300	CONSTRUCTION STAKING LEVEL II	LSUM	1

1F- N. MUELLER AVE. - PAY QUANTITIES - CONSTRUCTION

CONSTRUCTION 640			
ITEM	DESCRIPTION	UNIT	QUANTITY
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641 2110	MOBILIZATION	LSUM	1

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**SUMMARY OF PAY QUANTITY AND NOTES
1F - N. MUELLER AVE.**

PAY QUANTITY NOTES

- (R-4) TOPSOIL TO BE RESERVED FOR REPLACEMENT OF APPROXIMATELY 5" ON COMPLETED FORESLOPES, DITCHES, AND BACKSLOPES. THIS QUANTITY IS INCLUDED IN THE EARTHWORK BALANCE. ANY ADDITIONAL EXCAVATION REQUIRED IN CUT SECTIONS TO ALLOW FOR PLACEMENT OF TOPSOIL TO FINAL GRADE, SHALL BE INCLUDED IN THE PRICE BID.
- (R-6) FOR SALVAGED TOPSOIL PRICE BID TO INCLUDE COST OF 18-46-0 FERTILIZER, ESTIMATED AT 150 POUNDS PER ACRE. FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER SY.
- (R-8) PRICE BID TO INCLUDE COST OF ALL NECESSARY MAINTENANCE, MAINTAINING DEVICE IN PROPER UPRIGHT POSITION, REMOVAL OF DEVICE, AND REMOVAL OF SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE DEVICE.
- (R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.
- (R-39) INCLUDES REMOVAL OF ALL EXISTING ROADWAY DRAINAGE STRUCTURES, HEADWALLS (UNLESS OTHERWISE SPECIFIED), INLETS, FENCES, AND OTHER STRUCTURES WITHIN THE RIGHT OF WAY.
- (R-40) TO BECOME THE PROPERTY OF AND BE DISPOSED OF BY THE CONTRACTOR IN A MANNER APPROVED BY THE ENGINEER.
- (R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.
- (1) COST OF CLEARING AND GRUBBING TO INCLUDE THE REMOVAL OF TREES AND ROOTS WHICH ARE IN CONFLICT WITH OR COULD POSE FUTURE HARM TO THE PROPOSED PAVEMENT ONLY.
- (2) EARTHWORK IS ESTIMATED AT 694 CY OF UNCLASSIFIED EXCAVATION.
- (3) TYPE A SALVAGED TOPSOIL TO BE INCLUDED IN THE PRICE BID FOR EARTHWORK. TOPSOIL SHALL BE ROLLED SMOOTH TO THE SATISFACTION OF THE CITY OF BETHANY PRIOR TO PLACEMENT OF SOD.

GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

MAINTENANCE OF THROUGH TRAFFIC INCLUDES THE MAINTENANCE OF THE EXISTING ROAD IN CLOSE PROXIMITY TO THE NEW CONSTRUCTION AS SHOWN ON THE PLANS.

IN ORDER TO ALLEVIATE DUST CONDITIONS DURING GRADING OPERATIONS AND BEFORE PAVEMENT WORK IS COMPLETED, THE CONTRACTOR SHALL SPRINKLE GRADING AT INTERVALS APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN OTHER ITEMS OF WORK.

THE CONTRACTOR SHALL NOT WASTE ANY EXCESS EXCAVATION UNTIL ALL PLANNED EMBANKMENTS AND BACKFILLS ARE COMPLETED. EXCESS UNCLASSIFIED EXCAVATION MATERIAL DETERMINED BY THE ENGINEER TO BE SUITABLE FOR BACKFILL SHALL BE USED TO REDUCE ANY UNCLASSIFIED BORROW NEEDED. COST OF SECOND HANDLING SHALL BE INCLUDED IN OTHER ITEMS OF WORK. ANY REMAINING EXCESS EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER.

AREAS ON WHICH SALVAGED TOPSOIL IS TO BE PLACED SHALL HAVE 18-46-0 FERTILIZER APPLIED, AT THE RATE OF 150 POUNDS PER ACRE, JUST PRIOR TO THE REPLACEMENT OF SALVAGED TOPSOIL.

AT THE BEGINNING OF TURFING OPERATIONS, ANY AREAS INCLUDED IN PLANNED QUANTITIES THAT HAVE GROWN A SATISFACTORY VOLUNTEER TURF OF PERENNIAL GRASS, AS DETERMINED BY THE ENGINEER, SHALL BE FERTILIZED AND WATERED AS CALLED FOR ON THE PLANS, BUT SHALL NOT BE SEEDED, SODDED, OR SPRIGGED.

SURFACING OF RETURNS, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE OF THE SAME MATERIAL (BASE AND SURFACE) AS THAT OF THE ABUTTING SHOULDER OF THE MAINLINE. BASE AND SURFACE THICKNESS SHALL BE THE THICKNESS SHOWN ON PLANS.

ONLY THE SILICONE SEALANT OPTIONS, FROM STANDARD LECS-5, WILL BE ALLOWED ON THIS PROJECT.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

1G - N. DIVIS AVE. - PAY QUANTITIES - ROADWAY - BASE BID			
ROADWAY 100			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201(A) 1200	CLEARING AND GRUBBING (1)	LSUM	1.0
202(H) 2900	EARTHWORK (2), (3), (R-4),(R-6)	LSUM	1.0
221(B) 2300	TEMPORARY SILT FENCE (R-8)	LF	467.0
230(A) 7200	SOLID SLAB SODDING (R-6,R-7)	SY	412.0
303(A) 1200	AGGREGATE BASE TYPE A (R-16)	CY	483.0
310(B) 5300	SUBGRADE, METHOD B	SY	2,895.0
325 0100	SEPARATOR FABRIC	SY	2,895.0
414(A) 5200	P.C. CONCRETE PAVEMENT(PLACEMENT)	SY	2,895.0
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	483.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-40),(R-39)	LSUM	1.0
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT (R-40, R-41)	SY	2,577.0
619(C) 6600	SAWING PAVEMENT	LF	784.0

1G - N. DIVIS AVE. - PAY QUANTITIES - STAKING - BASE BID			
STAKING 600			
ITEM	DESCRIPTION	UNIT	QUANTITY
642(B) 3300	CONSTRUCTION STAKING LEVEL II	LSUM	1

1G - N. DIVIS AVE. - PAY QUANTITIES - CONSTRUCTION - BASE BID			
CONSTRUCTION 640			
ITEM	DESCRIPTION	UNIT	QUANTITY
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641 2110	MOBILIZATION	LSUM	1

1G - N. DIVIS AVE. - PAY QUANTITIES - ROADWAY - ADD ALT. NO. 1			
ROADWAY 100			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
201(A) 1200	CLEARING AND GRUBBING (1)	LSUM	1.0
202(H) 2900	EARTHWORK (2), (3), (R-4),(R-6)	LSUM	1.0
221(B) 2300	TEMPORARY SILT FENCE (R-8)	LF	283.0
230(A) 7200	SOLID SLAB SODDING (R-6, R-7)	SY	74.0
303(A) 1200	AGGREGATE BASE TYPE A (R-16)	CY	163.0
310(B) 5300	SUBGRADE, METHOD B	SY	975.0
325 0100	SEPARATOR FABRIC	SY	975.0
414(A) 5200	P.C. CONCRETE PAVEMENT(PLACEMENT)	SY	975.0
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	163.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS (R-39),(R-40)	LSUM	1.0
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT (R-40, R-41)	SY	962.0
619(B) 6380	REMOVAL OF CONCRETE DRIVEWAY (R-40, R-41)	SY	7.0
619(C) 6600	SAWING PAVEMENT	LF	1,348.0

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**SUMMARY OF PAY QUANTITY AND NOTES
1G - N. DIVIS AVE.**

1E - NW 30TH AVE. - SUMMARY OF SURFACING						
STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	P.C. CONC. PAVEMENT (PLACEMENT) 414(A)	P.C. CONCRETE FOR PAVEMENT 414(G)	CONC. CURB (6" BARRIER - INTEGRAL) 609(A)
	CY	SY	SY	SY	CY	LF
NW 30TH AVE.						
STA. 13+60.58 TO STA. 15+00.00	74.95	449.69	449.69	449.69	74.95	50.22
STA. 15+00.00 TO STA. 24+00.00	373.19	2,239.16	2,239.16	2,239.16	373.19	
STA. 24+00.00 TO STA. 33+00.00	376.94	2,261.62	2,261.62	2,261.62	376.94	43.12
STA. 33+00.00 TO STA. 36+40.19	158.27	949.63	949.63	949.63	158.27	
TOTALS	983.35	5,900.10	5,900.10	5,900.10	983.35	93.34

1E - NW 30TH AVE. - SUMMARY OF REMOVAL QUANTITIES				
STATION EXTENTS	REMOVAL OF CONCRETE PAVEMENT 619(B)	REMOVAL OF ASPHALT PAVEMENT 619(B)	REMOVAL OF CURB 619(B)	SAWING PAVEMENT 619(C)
	SY	SY	LF	LF
NW 30TH AVE.				
STA. 13+60.58 TO STA. 24+00.00	52.67	2,573.74		1,517.00
STA. 24+00.00 TO STA. 36+40.19	169.23	3,099.43	15.00	1,380.00
TOTALS	221.90	5,673.17	15.00	2,897.00

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

1E - NW 30TH AVE. - SUMMARY OF EARTHWORK QUANTITIES			
STATION EXTENTS	UNCLASSIFIED EXCAVATION	FILL +15%	EXCESS EXCAVATION
	CY	CY	CY
NW 30TH AVE.			
STA. 13+60.58 TO STA. 36+40.19	1,039	5	1,034
TOTALS	1,039	5	1,034

☐ ITEMS LISTED FOR CONTRACTOR INFORMATION ONLY. EARTHWORK TO BE PAID FOR AS LSUM.

1E - NW 30TH AVE. - SUMMARY OF TEMPORARY SEDIMENT CONTROL			
STATION EXTENTS	LOCATION AND DESCRIPTION	TEMPORARY SILT DIKE 221(E)	(PL) TEMPORARY INLET SEDIMENT FILTER 221(H)
		LF	EA
NW 30TH ST.			
STA. 10+00	AROUND EXISTING INLET RT.		1
STA. 23+80	ACROSS DITCH LT.	14	
STA. 26+33	ACROSS DITCH RT.	14	
STA. 29+00	ACROSS DITCH LT & RT.	28	
STA. 29+64	AROUND EXISTING INLET LT & RT.		2
STA. 30+00	AROUND EXISTING INLET LT & RT.		2
STA. 30+25	ACROSS DITCH RT.	14	
STA. 36+10	AROUND EXISTING INLET LT & RT.		2
STA. 36+15	ACROSS DITCH RT.	14	
TOTALS		84	7

1E - NW 30TH AVE. - SUMMARY OF EROSION CONTROL		
STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
NW 30 AVE.		
STA. 13+60.58 TO STA. 15+00.00	ALONG LT. SIDE OF ROADWAY	10.59
STA. 15+00.00 TO STA. 24+00.00	ALONG LT. SIDE OF ROADWAY	110.04
STA. 15+00.00 TO STA. 24+00.00	ALONG RT. SIDE OF ROADWAY	7.37
STA. 24+00.00 TO STA. 33+00.00	ALONG LT. SIDE OF ROADWAY	62.26
STA. 24+00.00 TO STA. 33+00.00	ALONG RT. SIDE OF ROADWAY	112.00
STA. 33+00.00 TO STA. 36+40.19	ALONG RT. SIDE OF ROADWAY	40.97
TOTALS		343.23

1E - NW 30TH AVE. - SUMMARY OF DRIVES				
STATION AND LOCATION	WIDTH x LENGTH	TYPE	RADI (R1)	RADI (R2)
STA. 16+70 - LEFT	48' x 12.00'	ST. RETURN	30'	50'
STA. 29+84 - LEFT	42' x 10.00'	ST. RETURN	45'	20'
STA. 35+65 - RIGHT	28' x 10.00'	1	15'	15'

NOTE: DRIVE SURFACING QUANTITIES INCLUDE IN MAINLINE SURFACING QUANTITIES

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SUMMARY SHEET
1E - NW 30TH AVE.

1F - N. MUELLER AVE. - SUMMARY OF SURFACING						
STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	P.C. CONC. PAVEMENT (PLACEMENT) 414(A)	P.C. CONCRETE FOR PAVEMENT 414(G)	CONC. CURB (8" BARRIER - INTEGRAL) 609(A)
	CY	SY	SY	SY	CY	LF
N. MUELLER AVE.						
STA. 5+11.77 TO STA. 11+00.00	270.47	1,622.83	1,622.83	1,622.83	270.47	51.00
STA. 11+00.00 TO STA. 20+00.00	385.79	2,314.77	2,314.77	2,314.77	385.79	
STA. 20+00.00 TO STA. 25+07.94	227.96	1,367.75	1,367.75	1,367.75	227.96	
TOTALS	884.22	5,305.35	5,305.35	5,305.35	884.22	51.00

1F - N. MUELLER AVE. - SUMMARY OF TEMPORARY SEDIMENT CONTROL			
STATION EXTENTS	LOCATION AND DESCRIPTION	TEMPORARY SILT DIKE 221(E)	(PL) TEMPORARY INLET SEDIMENT FILTER 221(H)
		LF	EA
N. MUELLER AVE.			
STA. 5+27	AROUND EXISTING INLET LT. & RT.		2
STA. 8+84	AROUND EXISTING INLET LT.		1
STA. 9+71	AROUND EXISTING INLET RT.		1
STA. 11+84	AROUND EXISTING INLETRT.		1
STA. 12+18	AROUND EXISTING INLET LT.		1
STA. 12+30	ACROSS DITCH LT.	14	
STA. 24+97	AROUND EXISTING INLET LT.		1
TOTALS		14	7

1F - N. MUELLER AVE. - SUMMARY OF EARTHWORK QUANTITIES			
STATION EXTENTS	UNCLASSIFIED EXCAVATION	FILL +15%	EXCESS EXCAVATION
	CY	CY	CY
N. MUELLER AVE.			
STA. 5+11.77 TO STA. 25+07.94	1,267	6	1,261
TOTALS	1,267	6	1,261

ITEMS LISTED FOR CONTRACTOR INFORMATION ONLY. EARTHWORK TO BE PAID FOR AS LSUM.

1F - N. MUELLER AVE. - SUMMARY OF REMOVAL QUANTITIES				
STATION EXTENTS	REMOVAL OF CONCRETE PAVEMENT 619(B)	REMOVAL OF ASPHALT PAVEMENT 619(B)	REMOVAL OF CURB 619(B)	SAWING PAVEMENT 619(C)
	SY	SY	LF	LF
N. MUELLER AVE.				
STA. 5+11.77 TO STA. 20+00.00	110.04	3,895.94	14.00	1,788.00
STA. 20+00.00 TO STA. 25+07.94		1,361.11		613.00
TOTALS	110.04	5,257.05	14.00	2,401.00

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

1F - N. MUELLER AVE. - SUMMARY OF EROSION CONTROL		
STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
N. MUELLER AVE.		
STA. 5+11.17 TO STA. 11+00.00	ALONG LT. SIDE OF ROADWAY	211.70
STA. 11+00.00 TO STA. 20+00.00	ALONG LT. SIDE OF ROADWAY	158.33
STA. 11+00.00 TO STA. 20+00.00	ALONG RT. SIDE OF ROADWAY	28.87
STA. 20+00.00 TO STA. 25+07.94	ALONG LT. SIDE OF ROADWAY	80.30
STA. 20+00.00 TO STA. 25+07.94	ALONG RT. SIDE OF ROADWAY	14.49
TOTALS		493.69

1F - N. MUELLER AVE. - SUMMARY OF DRIVES				
STATION AND LOCATION	WIDTH x LENGTH	TYPE	RADI (R1)	RADI (R2)
STA. 5+42 - LT.	20' x 25.00'	ST. RETURN	15'	15'
STA. 6+51 - LT	10' x 5.00'	1	4'	4'
STA. 7+11 - LT	24' x 5.00'	1	4'	2'
STA. 7+34 - LT.	14' x 5.00'	1	2'	4'
STA. 8+71 - LT	26' x 14.00'	ST. RETURN	10'	10'
STA. 9+33 - LT	18' x 5.00'	1	4'	4'
STA. 9+87 - LT	20' x 5.00'	1	10'	5'
STA. 10+69 - LT	25' x 5.00'	1	3'	3'
STA. 11+20 - LT	16' x 5.00'	1	4'	4'
STA. 11+97 - LT	28' x 5.00'	ST. RETURN	15'	15'
STA. 12+00 - RT	22' x 15.00'	ST. RETURN	15'	15'
STA. 18+62 - LT	35' x 5.00'	ST. RETURN	15'	15'
STA. 18+65 - RT	24' x 5.00'	ST. RETURN	15'	10'
STA. 20+21 - LT	18' x 8.00'	1	5'	5'
STA. 20+74 - LT	10' x 4.00'	1	3'	3'
STA. 21+75 - LT	24' x 10.00'	ST. RETURN	25'	25'

NOTE: DRIVE SURFACING QUANTITIES INCLUDED IN MAINLINE SURFACING QUANTITIES

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

SUMMARY SHEET
1F - N. MUELLER AVE.

1G - N. DIVIS AVE. - SUMMARY OF SURFACING - BASE BID					
STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	P.C. CONC. PAVEMENT (PLACEMENT) 414(A)	P.C. CONCRETE FOR PAVEMENT 414(G)
	CY	SY	SY	SY	CY
STA. 38+00.00 TO STA. 47+00.00	371.43	2,228.61	2,228.61	2,228.61	371.43
STA. 47+00.00 TO STA. 49+72.85	111.02	666.15	666.15	666.15	111.02
TOTALS	482.45	2,894.76	2,894.76	2,894.76	482.45

1G - N. DIVIS AVE. - SUMMARY OF EROSION CONTROL - BASE BID		
STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
N. DIVIS AVE.		
STA. 38+00.00 TO STA. 47+00.00	ALONG LT. SIDE OF ROADWAY	254.87
STA. 38+00.00 TO STA. 47+00.00	ALONG RT. SIDE OF ROADWAY	60.17
STA. 47+00.00 TO STA. 49+72.85	ALONG LT. SIDE OF ROADWAY	37.55
STA. 47+00.00 TO STA. 49+72.85	ALONG RT. SIDE OF ROADWAY	58.88
TOTALS		411.47

1G - N. DIVIS AVE. - SUMMARY OF REMOVAL QUANTITIES - BASE BID		
STATION EXTENTS	REMOVAL OF ASPHALT PAVEMENT 619(B)	SAWING PAVEMENT 619(C)
	SY	LF
N. DIVIS AVE.		
STA. 38+00.00 TO STA. 47+00.00	1,980.49	705.00
STA. 47+00.00 TO STA. 49+72.85	596.21	79.00
TOTALS	2,576.70	784.00

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

1G - N. DIVIS AVE. - SUMMARY OF EARTHWORK QUANTITIES - BASE BID			
STATION EXTENTS	UNCLASSIFIED EXCAVATION	FILL +15%	EXCESS EXCAVATION
	CY	CY	CY
N. DIVIS AVE.			
STA. 38+00.00 TO STA. 49+72.85	694		694
TOTALS	694		694

■ ITEMS LISTED FOR CONTRACTOR INFORMATION ONLY. EARTHWORK TO BE PAID FOR AS LSUM.

1G - N. DIVIS AVE. - SUMMARY OF TEMPORARY SEDIMENT CONTROL - BASE BID		
STATION EXTENTS	LOCATION AND DESCRIPTION	TEMPORARY SILT FENCE 221(B)
		LF
N. DIVIS AVE.		
STA. 37+91 TO STA. 39+49	ALONG TOE LT.	168
STA. 39+56 TO STA. 41+72	ALONG TOE LT.	216
STA. 41+79 TO STA. 42+62	ALONG TOE LT.	83
TOTALS		467

1G - N. DIVIS AVE. - SUMMARY OF SURFACING ADD ALT. # 1					
STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	P.C. CONC. PAVEMENT (PLACEMENT) 414(A)	P.C. CONCRETE FOR PAVEMENT 414(G)
	CY	SY	SY	SY	CY
STA. 30+13.47 TO STA. 38+00.00	162.34	974.04	974.04	974.04	162.34
TOTALS	162.34	974.04	974.04	974.04	162.34

1G - N. DIVIS AVE. - SUMMARY OF EROSION CONTROL ADD ALT. # 1		
STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
N. DIVIS AVE.		
STA. 30+13.47 TO STA. 38+00.00	ALONG RT. SIDE OF ROADWAY	73.30
TOTALS		73.30

1G - N. DIVIS AVE. - SUMMARY OF REMOVAL QUANTITIES ADD ALT. # 1			
STATION EXTENTS	REMOVAL OF ASPHALT PAVEMENT 619(B)	REMOVAL OF CONCRETE DRIVEWAY 619(B)	SAWING PAVEMENT 619(C)
	SY	SY	LF
N. DIVIS AVE.			
STA. 30+13.47 TO STA. 38+00.00	961.74	6.86	1,348.00
TOTALS	961.74	6.86	1,348.00

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

1G - N. DIVIS AVE. - SUMMARY OF EARTHWORK QUANTITIES ADD ALT. # 1			
STATION EXTENTS	UNCLASSIFIED EXCAVATION	FILL +15%	EXCESS EXCAVATION
	CY	CY	CY
N. DIVIS AVE.			
STA. 30+13.47 TO STA. 38+00.00	230		230
TOTALS	230		230

■ ITEMS LISTED FOR CONTRACTOR INFORMATION ONLY. EARTHWORK TO BE PAID FOR AS LSUM.

1G - N. DIVIS AVE. - SUMMARY OF TEMPORARY SEDIMENT CONTROL - ADD ALT. # 1		
STATION EXTENTS	LOCATION AND DESCRIPTION	TEMPORARY SILT FENCE 221(B)
		LF
N. DIVIS AVE.		
STA. 30+19 TO STA. 32+27	ALONG TOE RT.	224
STA. 32+45 TO STA. 32+84	ALONG TOE RT.	39
STA. 33+11 TO STA. 33+31	ALONG TOE RT.	20
TOTALS		283

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SUMMARY SHEET
1G - N. DIVIS AVE.

SUGGESTED SEQUENCE OF CONSTRUCTION (1E - NW 30TH ST.)

GENERAL NOTES

THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION TO ENSURE ACCESS TO EXISTING DRIVES IS MAINTAINED DURING ALL CONSTRUCTION OPERATIONS. IF AT ANY TIME ACCESS IS TO BE INTERRUPTED, THEN THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER, THE CITY OF BETHANY, AND ALL EMERGENCY AGENCIES A MINIMUM OF FIVE WORKING DAYS BEFORE OPERATIONS BEGIN. DRIVES AND RETURNS SHALL BE CONSTRUCTED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

CONSTRUCTION PHASES SHALL CONSIST OF CONSTRUCTING ONE LANE EXTENDING NO LONGER THAN ONE BLOCK AT A TIME TO MINIMIZE DISTURBANCE TO ADJACENT PROPERTY OWNERS.

SOLID SLAB SOD SHALL BE PLACED ON PERMANENT SLOPES TO REDUCE THE AMOUNT OF DISTURBED AREAS ON THE PROJECT IN EACH PHASE OF CONSTRUCTION.

AGGREGATE BASE MUST BE LAID THE SAME DAY AS THE SEPARATOR FABRIC TO AVOID EXPOSING THE SEPARATOR FABRIC TO TRAFFIC.

PHASE 1: CONSTRUCT NORTH HALF OF NW 30TH ST. FROM BOP TO N. MUELLER AVE.

TRAFFIC ON EXISTING NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE NORTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 13+60.58 TO STA. 16+70. KEEP SOUTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. HOLLOWAY AVE. AT ALL TIMES.
- B CONSTRUCT NORTH HALF OF NW 30TH ST. FROM CRL STA. 13+60.58 TO STA. 16+70. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE NORTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 16+70 TO STA. 23+25. KEEP SOUTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. HOLLOWAY AVE. AND N. MUELLER AVE. AT ALL TIMES.
- D CONSTRUCT NORTH HALF OF NW 30TH ST. FROM CRL STA. 16+70 TO STA. 23+25. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 2: CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM BOP TO N. MUELLER AVE.

TRAFFIC ON PROPOSED NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 13+60.58 TO STA. 14+95. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. HOLLOWAY AVE. AT ALL TIMES.
- B CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 13+60.58 TO STA. 14+95. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 14+95 TO STA. 18+30. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. HOLLOWAY AVE. AND OAKRIDGE DR. AT ALL TIMES.
- D CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 14+95 TO STA. 18+30. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- E PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 18+30 TO STA. 21+00. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO OAKRIDGE DR. AT ALL TIMES.
- F CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 18+30 TO STA. 21+00. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- G PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 21+00 TO STA. 23+25. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. MUELLER AVE. AT ALL TIMES.
- H CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 21+00 TO STA. 23+25. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 3: CONSTRUCT NORTH HALF OF NW 30TH ST. FROM N. MUELLER AVE. TO N. COLLEGE AVE.

TRAFFIC ON EXISTING NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE NORTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 23+25 TO STA. 26+25. KEEP SOUTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. MUELLER AVE. AT ALL TIMES.
- B CONSTRUCT NORTH HALF OF NW 30TH ST. FROM CRL STA. 23+25 TO STA. 26+25. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE NORTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 26+25 TO STA. 29+85. KEEP SOUTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. COLLEGE AVE. AT ALL TIMES.
- D CONSTRUCT NORTH HALF OF NW 30TH ST. FROM CRL STA. 26+25 TO STA. 29+85. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

SUGGESTED SEQUENCE OF CONSTRUCTION (1E - NW 30TH ST.) - CONTINUED

PHASE 4: CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM N. MUELLER AVE. TO N. COLLEGE AVE.

TRAFFIC ON PROPOSED NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 23+25 TO STA. 29+85. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. MUELLER AVE. AND N. COLLEGE AVE. AT ALL TIMES.
- B CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 23+25 TO STA. 29+85. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 5: CONSTRUCT NORTH HALF OF NW 30TH ST. FROM N. COLLEGE AVE. TO N. PENIEL AVE.

TRAFFIC ON EXISTING NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE NORTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 29+85 TO STA. 36+39.81. KEEP SOUTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. COLLEGE AVE. AND N. PENIEL AVE. AT ALL TIMES.
- B CONSTRUCT NORTH HALF OF NW 30TH ST. FROM CRL STA. 29+85 TO STA. 36+39.81. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 6: CONSTRUCT NORTH HALF OF NW 30TH ST. FROM N. COLLEGE AVE. TO N. PENIEL AVE.

TRAFFIC ON PROPOSED NW 30TH ST.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE SOUTH HALF OF NW 30TH ST. TO TRAFFIC FROM CRL STA. 29+85 TO STA. 36+39.81. KEEP NORTH LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO N. COLLEGE AVE. AND N. PENIEL AVE. AT ALL TIMES.
- B CONSTRUCT SOUTH HALF OF NW 30TH ST. FROM CRL STA. 29+85 TO STA. 36+39.81. OPEN NORTH LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C COMPLETE FINISHING OPERATIONS AND OPEN NW 30TH ST. TO ULTIMATE TRAFFIC CONFIGURATION.

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

SUGGESTED SEQUENCE OF CONSTRUCTION 1E - NW 30TH ST.
Project No. 2023001(1E, 1F & 1G) Sheet No. AR07

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

GENERAL NOTES

THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION TO ENSURE ACCESS TO EXISTING DRIVES IS MAINTAINED DURING ALL CONSTRUCTION OPERATIONS. IF AT ANY TIME ACCESS IS TO BE INTERRUPTED, THEN THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER, THE CITY OF BETHANY, AND ALL EMERGENCY AGENCIES A MINIMUM OF FIVE WORKING DAYS BEFORE OPERATIONS BEGIN. DRIVES AND RETURNS SHALL BE CONSTRUCTED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

CONSTRUCTION PHASES SHALL CONSIST OF CONSTRUCTING ONE LANE EXTENDING NO LONGER THAN ONE BLOCK AT A TIME TO MINIMIZE DISTURBANCE TO ADJACENT PROPERTY OWNERS.

SOLID SLAB SOD SHALL BE PLACED ON PERMANENT SLOPES TO REDUCE THE AMOUNT OF DISTURBED AREAS ON THE PROJECT IN EACH PHASE OF CONSTRUCTION.

AGGREGATE BASE MUST BE LAID THE SAME DAY AS THE SEPARATOR FABRIC TO AVOID EXPOSING THE SEPARATOR FABRIC TO TRAFFIC.

PHASE 1: CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM NW 44TH ST. TO NW 46TH ST.

TRAFFIC ON EXISTING N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 5+11.77 TO STA. 8+70. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 44TH ST. AND NW 45TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM CRL STA. 5+11.77 TO STA. 8+70. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 8+70 TO STA. 12+00. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 45TH ST. AND NW 46TH ST. AT ALL TIMES.
- D CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM CRL STA. 8+70 TO STA. 12+00. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 2: CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM NW 44TH ST. TO NW 46TH ST.

TRAFFIC ON PROPOSED N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 5+11.77 TO STA. 8+70. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 44TH ST. AND NW 45TH ST. AT ALL TIMES.
- B CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 5+11.77 TO STA. 8+70. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 8+70 TO STA. 10+55. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 45TH ST. AT ALL TIMES.
- D CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 8+70 TO STA. 10+55. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- E PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 10+55 TO STA. 12+00. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 46TH ST. AT ALL TIMES.
- F CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 10+55 TO STA. 12+00. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

SUGGESTED SEQUENCE OF CONSTRUCTION (1F - N. MUELLER AVE.) - CONTINUED

PHASE 3: CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM NW 46TH ST. TO NW 48TH ST.

TRAFFIC ON EXISTING N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 12+00 TO STA. 18+65. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 46TH ST. AND NW 48TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM CRL STA. 12+00 TO STA. 18+65. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 4: CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM NW 46TH ST. TO NW 48TH ST.

TRAFFIC ON PROPOSED N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 12+00 TO STA. 15+00. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 46TH ST. AT ALL TIMES.
- B CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 12+00 TO STA. 15+00. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 15+00 TO STA. 18+65. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 48TH ST. AT ALL TIMES.
- D CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 15+00 TO STA. 18+65. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 5: CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM NW 48TH ST. TO NW 50TH ST.

TRAFFIC ON EXISTING N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 18+65 TO STA. 21+75. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 48TH ST. AND NW 49TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM CRL STA. 18+65 TO STA. 21+75. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 21+75 TO STA. 25+11.90. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 49TH ST. AND NW 50TH ST. AT ALL TIMES.
- D CONSTRUCT WEST HALF OF N. MUELLER AVE. FROM CRL STA. 21+75 TO STA. 25+11.90. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 6: CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM NW 48TH ST. TO NW 50TH ST.

TRAFFIC ON PROPOSED N. MUELLER AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 18+65 TO STA. 21+75. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 48TH ST. AND NW 49TH ST. AT ALL TIMES.
- B CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 18+65 TO STA. 21+75. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. MUELLER AVE. TO TRAFFIC FROM CRL STA. 21+75 TO STA. 25+11.90. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 49TH ST. AND NW 50TH ST. AT ALL TIMES.
- D CONSTRUCT EAST HALF OF N. MUELLER AVE. FROM CRL STA. 21+75 TO STA. 25+11.90. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- E COMPLETE FINISHING OPERATIONS AND OPEN N. MUELLER AVE. TO ULTIMATE TRAFFIC CONFIGURATION.

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

SUGGESTED SEQUENCE OF CONSTRUCTION
1F - N. MUELLER AVE.

SUGGESTED SEQUENCE OF CONSTRUCTION (1G - N. DIVIS AVE.)

GENERAL NOTES

THE CONTRACTOR SHALL SEQUENCE CONSTRUCTION TO ENSURE ACCESS TO EXISTING DRIVES IS MAINTAINED DURING ALL CONSTRUCTION OPERATIONS. IF AT ANY TIME ACCESS IS TO BE INTERRUPTED, THEN THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER, THE CITY OF BETHANY, AND ALL EMERGENCY AGENCIES A MINIMUM OF FIVE WORKING DAYS BEFORE OPERATIONS BEGIN. DRIVES AND RETURNS SHALL BE CONSTRUCTED DURING OFF PEAK HOURS OR AS DIRECTED BY THE ENGINEER.

CONSTRUCTION PHASES SHALL CONSIST OF CONSTRUCTING ONE LANE EXTENDING NO LONGER THAN ONE BLOCK AT A TIME TO MINIMIZE DISTURBANCE TO ADJACENT PROPERTY OWNERS.

SOLID SLAB SOD SHALL BE PLACED ON PERMANENT SLOPES TO REDUCE THE AMOUNT OF DISTURBED AREAS ON THE PROJECT IN EACH PHASE OF CONSTRUCTION.

AGGREGATE BASE MUST BE LAID THE SAME DAY AS THE SEPARATOR FABRIC TO AVOID EXPOSING THE SEPARATOR FABRIC TO TRAFFIC.

PHASE 1: CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM NW 36TH ST. TO NW 39TH ST.
TRAFFIC ON EXISTING N. DIVIS AVE.

- A IF CONSTRUCTING ADD ALT. # 1, PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 30+13.47 TO STA. 33+20. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 36TH ST. AT ALL TIMES.
- B IF CONSTRUCTING ADD ALT. # 1, CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 30+13.47 TO STA. 33+20. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C IF CONSTRUCTING ADD ALT. # 1, PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 33+20 TO STA. 38+00. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY.
- D IF CONSTRUCTING ADD ALT. # 1, CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 33+20 TO STA. 38+00. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- E PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 38+00 TO STA. 40+35. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY.
- F CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 38+00 TO STA. 40+35. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- G PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 40+35 TO STA. 43+20. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH ST. AT ALL TIMES.
- H CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 40+35 TO STA. 43+20. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 2: CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM BOP TO NW 39TH ST.
TRAFFIC ON PROPOSED N. DIVIS AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 38+00 TO STA. 43+20. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM CRL STA. 38+00 TO STA. 43+20. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 3: CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM NW 39TH ST. TO NW 39TH TR.
TRAFFIC ON EXISTING N. DIVIS AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 43+20 TO STA. 46+70. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH ST. AND NW 39TH TR. AT ALL TIMES.
- B CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 43+20 TO STA. 46+70. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

SUGGESTED SEQUENCE OF CONSTRUCTION (1G - N. DIVIS AVE.) - CONTINUED

PHASE 4: CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM NW 39TH ST. TO NW 39TH TR.
TRAFFIC ON PROPOSED N. DIVIS AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 43+20 TO STA. 46+70. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH ST. AND NW 39TH TR. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM CRL STA. 43+20 TO STA. 46+70. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 5: CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM NW 39TH TR. TO NW 39TH EXPY.
TRAFFIC ON EXISTING N. DIVIS AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE EAST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 46+70 TO STA. 49+72.48. KEEP WEST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH TR. AND NW 39TH EXPY. AT ALL TIMES.
- B CONSTRUCT EAST HALF OF N. DIVIS AVE. FROM CRL STA. 46+70 TO STA. 49+72.48. OPEN EAST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

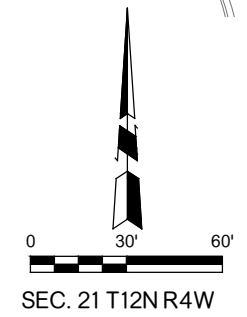
PHASE 6: CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM NW 39TH TR. TO NW 39TH EXPY.
TRAFFIC ON PROPOSED N. DIVIS AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. DIVIS AVE. TO TRAFFIC FROM CRL STA. 46+70 TO STA. 49+72.48. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF ONE-WAY TRAFFIC TO NW 39TH TR. AND NW 39TH EXPY. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. DIVIS AVE. FROM CRL STA. 46+70 TO STA. 49+72.48. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C COMPLETE FINISHING OPERATIONS AND OPEN N. DIVIS AVE. TO ULTIMATE TRAFFIC CONFIGURATION.

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

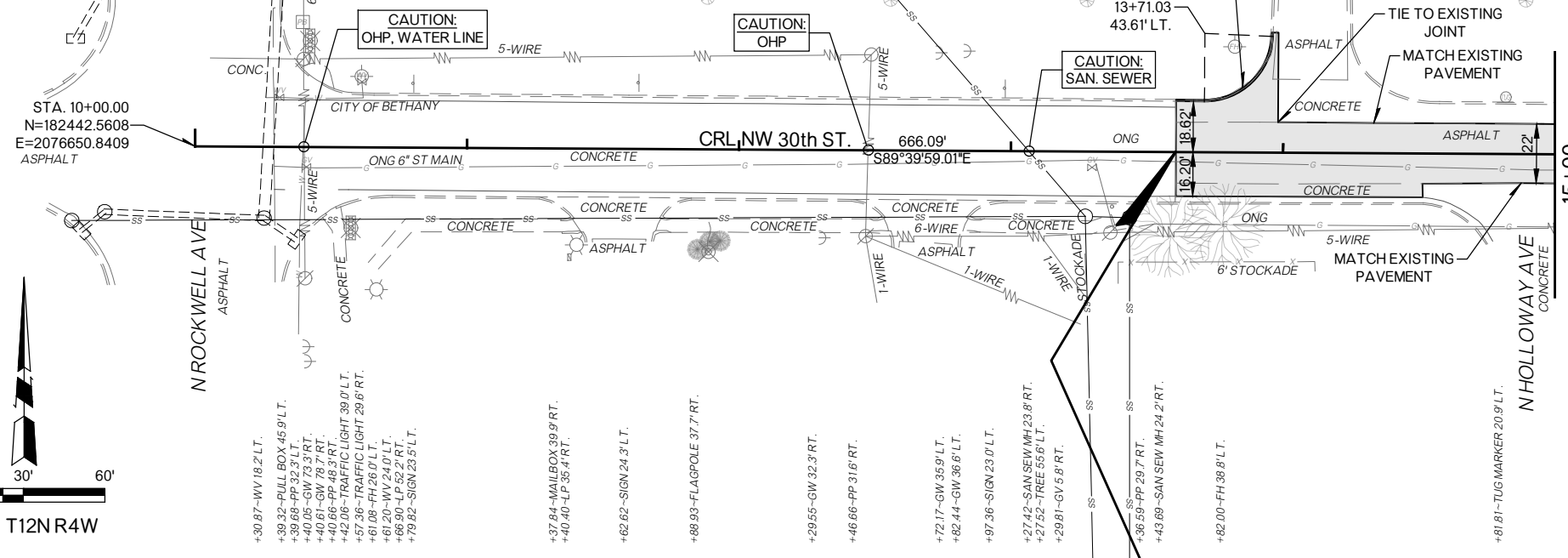
SUGGESTED SEQUENCE OF CONSTRUCTION
1G - N. DIVIS AVE.

DO NOT DISTURB EXISTING CURB UNLESS OTHERWISE DIRECTED BY THE CITY OR NOTED IN THE PLANS.



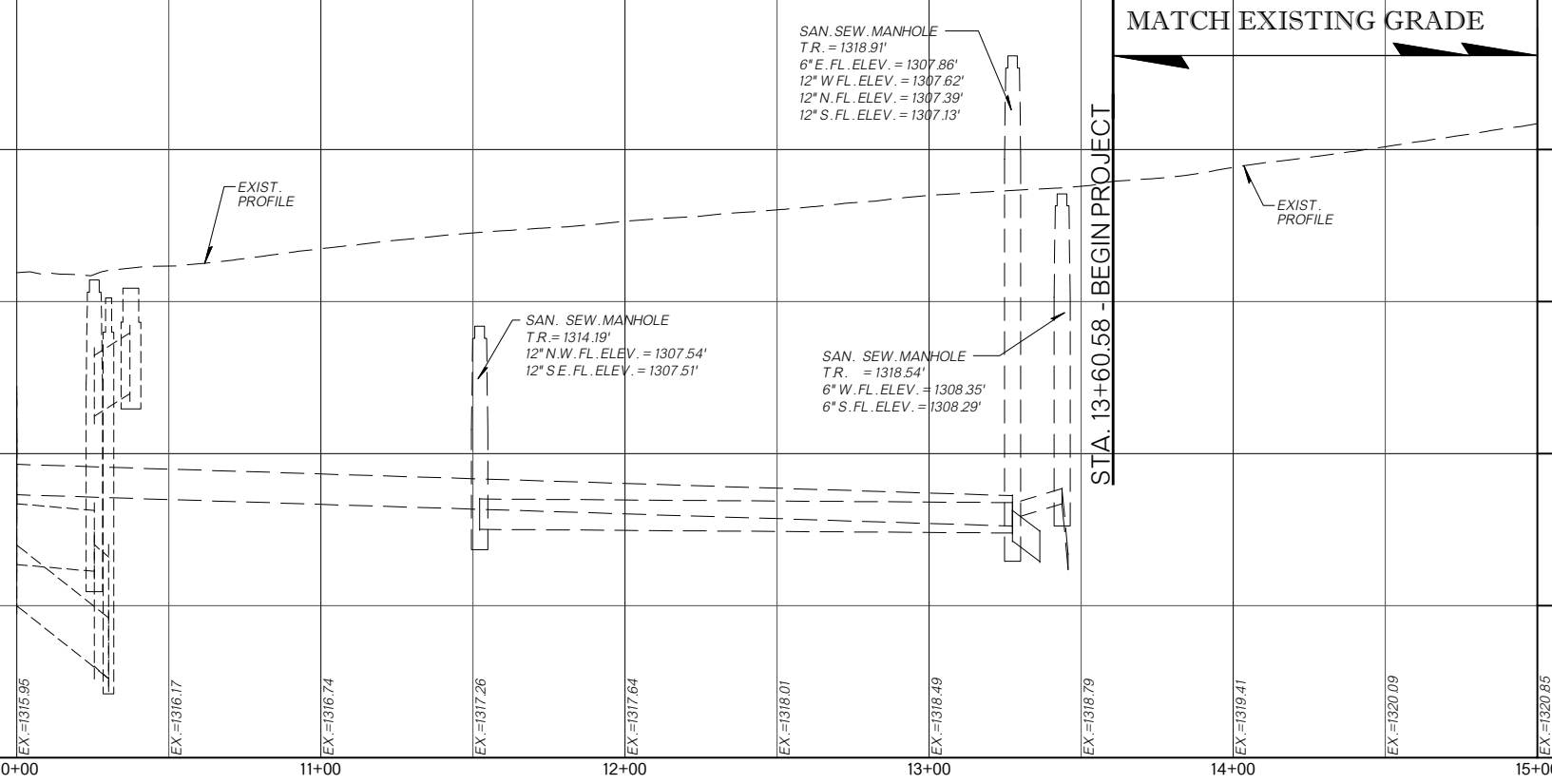
SEC. 21 T12N R4W

CURB INLET
T.G. ELEV. = 1315.45'
18" RCP SW. FL. ELEV. = 1310.64'
18" RCP NE. FL. ELEV. = 1310.50'
CURB INLET
T.G. ELEV. = 1314.58'
18" RCP W. FL. ELEV. = 1308.74'
24" RCP NE. FL. ELEV. = 1306.68'
STORM MANHOLE
T.R. = 1315.59'
18" RCP SW. FL. ELEV. = 1310.11'
24" RCP E. FL. ELEV. = 1306.65'
10+00
CURB INLET
T.G. ELEV. = 1314.54'
24" RCP W. FL. ELEV. = 1307.87'
24" RCP E. FL. ELEV. = 1307.44'
STORM MANHOLE
T.R. = 1315.71'
18" RCP SE. FL. ELEV. = 1312.28'
24" RCP N. FL. ELEV. = 1306.13'
48" RCP S. FL. ELEV. = 1303.01'
CURB INLET
T.G. ELEV. = 1315.12'
ELEV. TO BOTTOM = 1302.60'
CANT TELL PIPE SIZE OR PIPE DIRECTION
CURB INLET
T.G. ELEV. = 1315.44'
24" RCP N.W. FL. ELEV. = 1311.97'

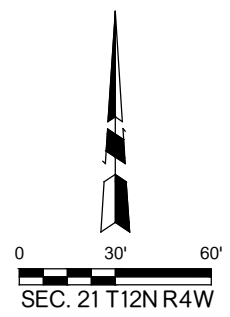
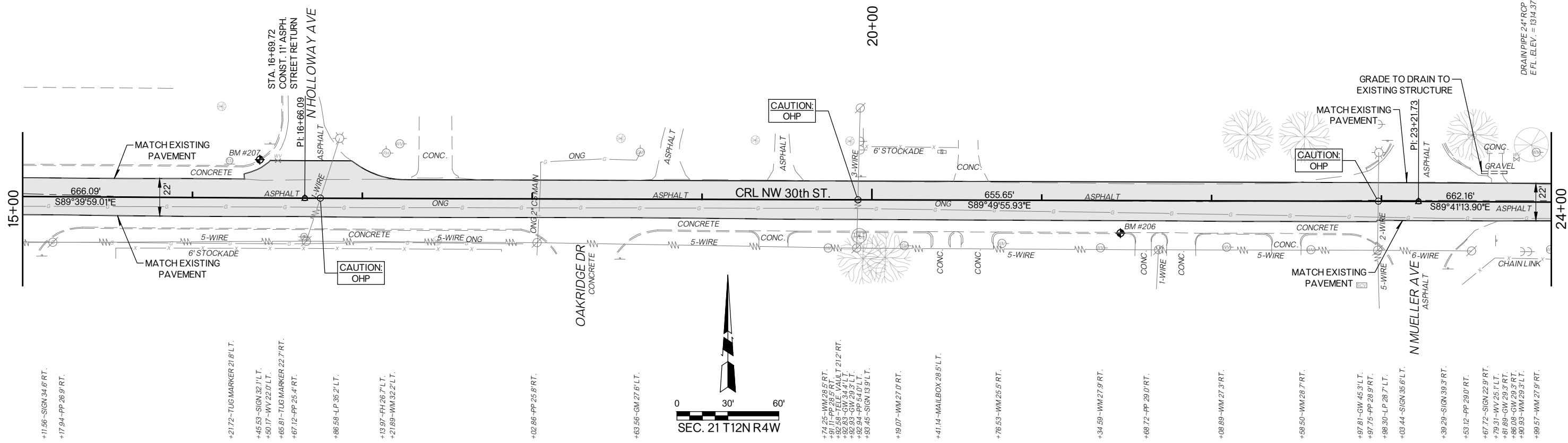


UTILITY OWNERS		
OKLAHOMA NATURAL GAS	-----	(405) 996-8380
OG&E ELECTRIC SERVICES	-----	(405) 553-5785
CITY OF BETHANY	-----	(405) 789-6285

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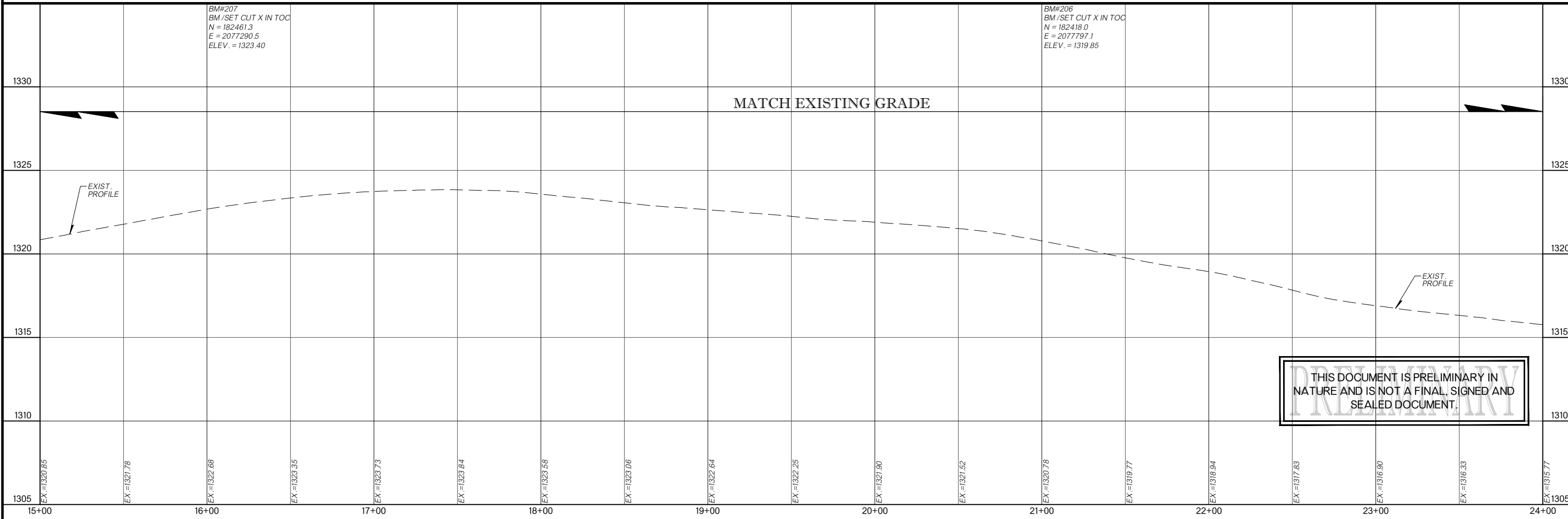
20+00



- +11.56-SIGN 34.6 RT.
- +17.94-PP 26.9 RT.
- +21.72-TUG MARKER 21.8 LT.
- +45.53-SIGN 32.1 LT.
- +50.17-WW 22.0 LT.
- +65.81-TUG MARKER 22.7 RT.
- +67.12-PP 25.4 RT.
- +86.58-LP 35.2 LT.
- +13.97-FH 26.7 LT.
- +21.89-WM 32.2 LT.
- +02.86-PP 25.8 RT.
- +63.56-GW 27.6 LT.
- +74.25-WM 28.5 RT.
- +91.17-PP 28.5 RT.
- +92.58-TELE. VALVE 21.2 RT.
- +92.83-GW 34.4 LT.
- +92.94-PP 54.4 LT.
- +93.45-SIGN 13.9 LT.
- +19.07-WM 27.0 RT.
- +41.14-MAILBOX 28.5 LT.
- +76.53-WM 25.5 RT.
- +34.59-WM 27.9 RT.
- +68.72-PP 29.0 RT.
- +08.89-WM 27.3 RT.
- +68.50-WM 28.7 RT.
- +97.81-GW 45.3 LT.
- +97.75-PP 28.9 RT.
- +98.30-LP 28.7 LT.
- +03.44-SIGN 35.6 LT.
- +39.29-SIGN 39.3 RT.
- +53.12-PP 29.0 RT.
- +67.72-SIGN 22.9 RT.
- +79.31-WW 25.1 LT.
- +61.89-GW 29.3 RT.
- +86.08-GW 29.3 RT.
- +80.95-WW 29.3 LT.
- +99.57-WM 27.9 RT.

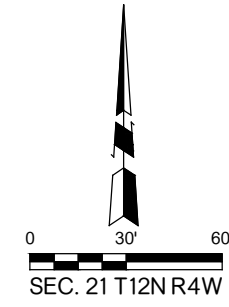
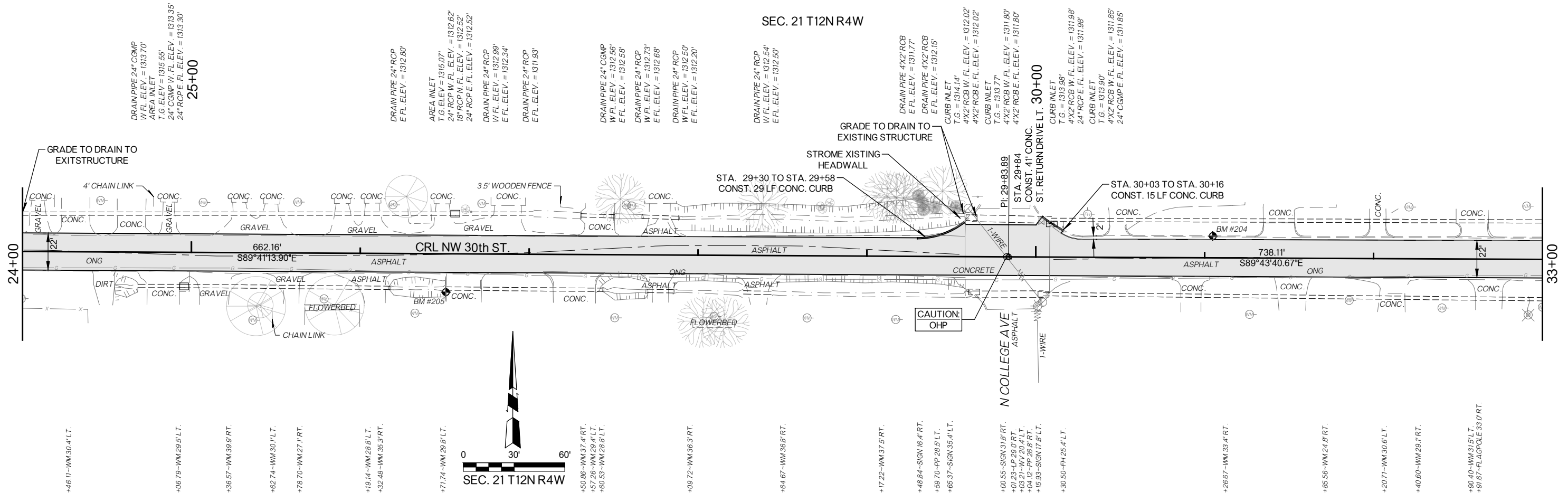
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 E = 2077290.5
 ELEV. = 1323.40

BM#206
 BM / SET CUT X IN TOC
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 E = 2077797.1
 ELEV. = 1319.85

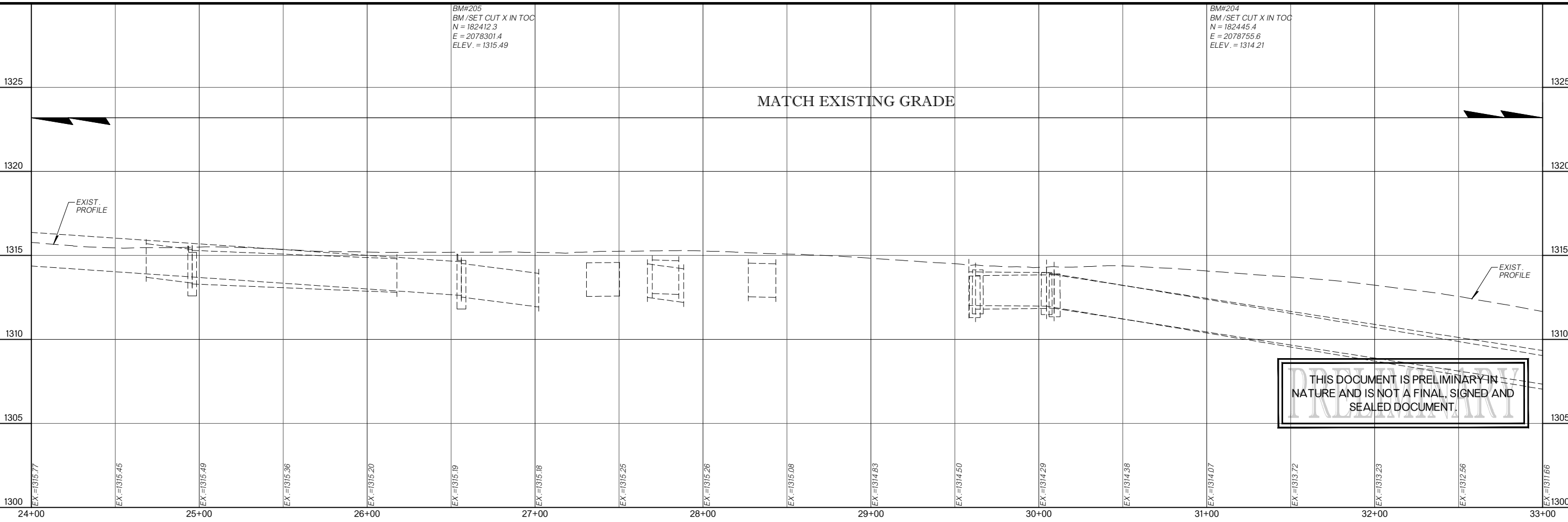


THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

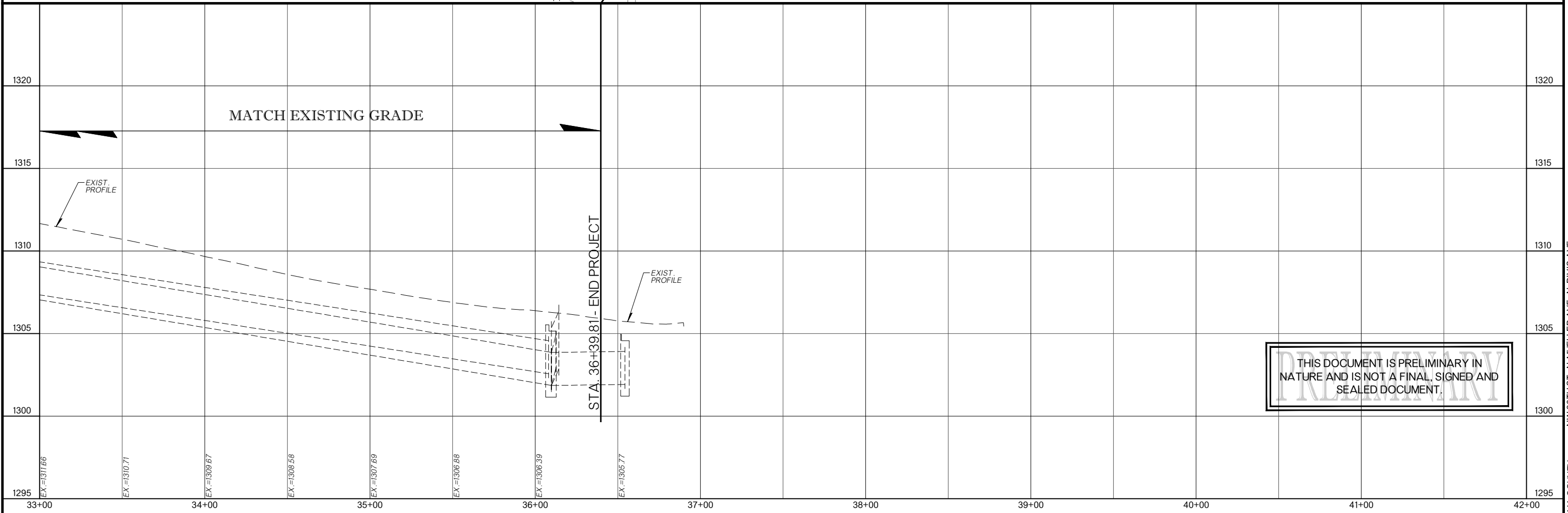
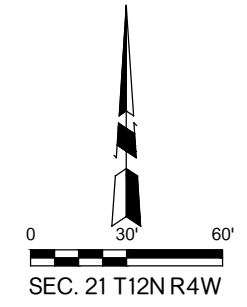
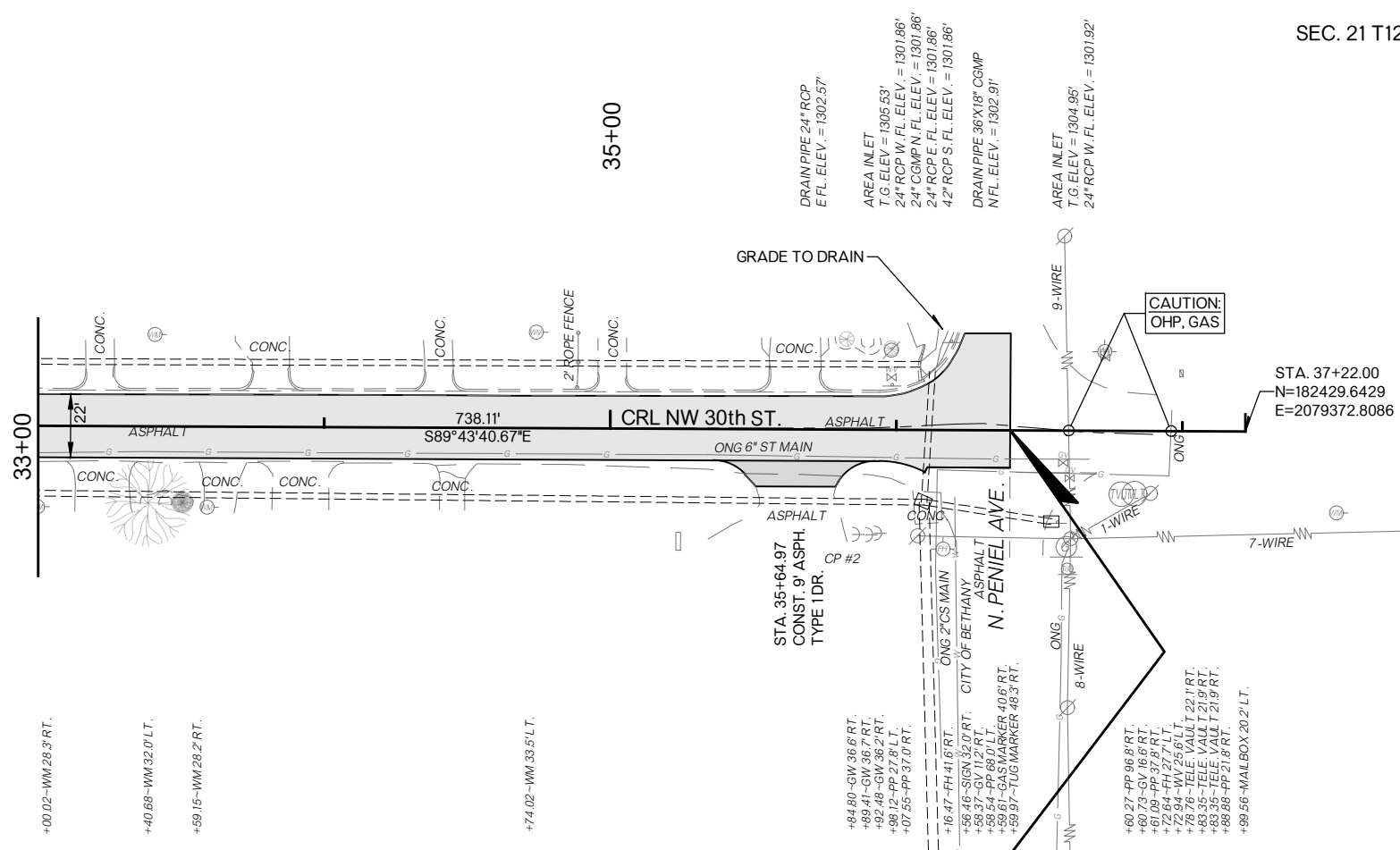
SEC. 21 T12N R4W



MATCH EXISTING GRADE



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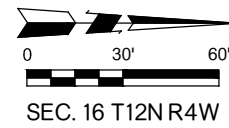
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OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

SEC. 16 T12N R4W

DO NOT DISTURB EXISTING CURB AND SIDEWALK UNLESS OTHERWISE DIRECTED BY THE CITY OR NOTED IN THE PLANS.

ALL SURFACING QUANTITIES FOR STREET + DRIVE RETURNS TO BE INCLUDE IN MAINLINE QUANTITIES

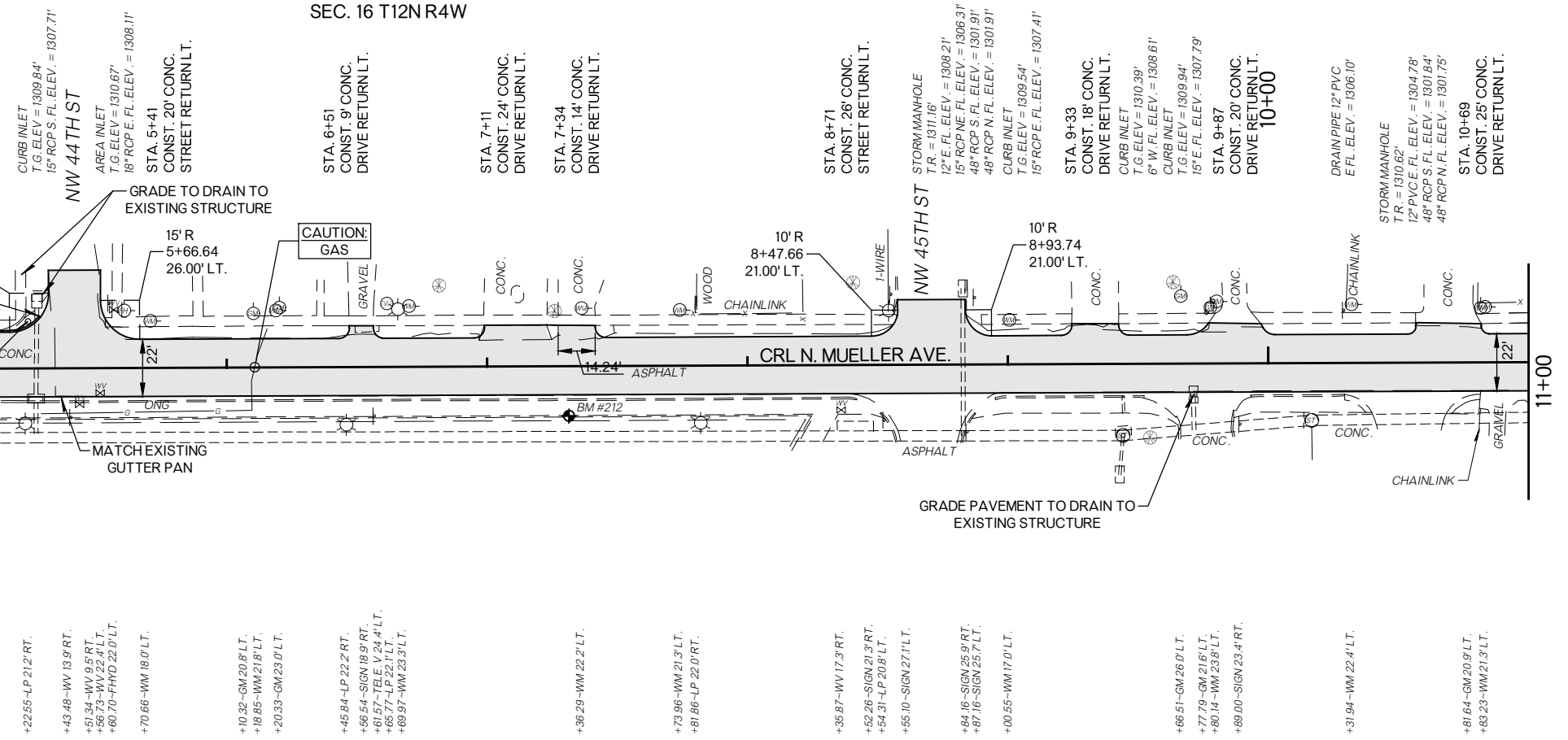


SEC. 16 T12N R4W

STA. 5+11.77 - BEGIN PROJECT

UTILITY OWNERS	
OKLAHOMA NATURAL GAS	(405) 996-8380
OG&E ELECTRIC SERVICES	(405) 553-5785
CITY OF BETHANY	(405) 789-6285

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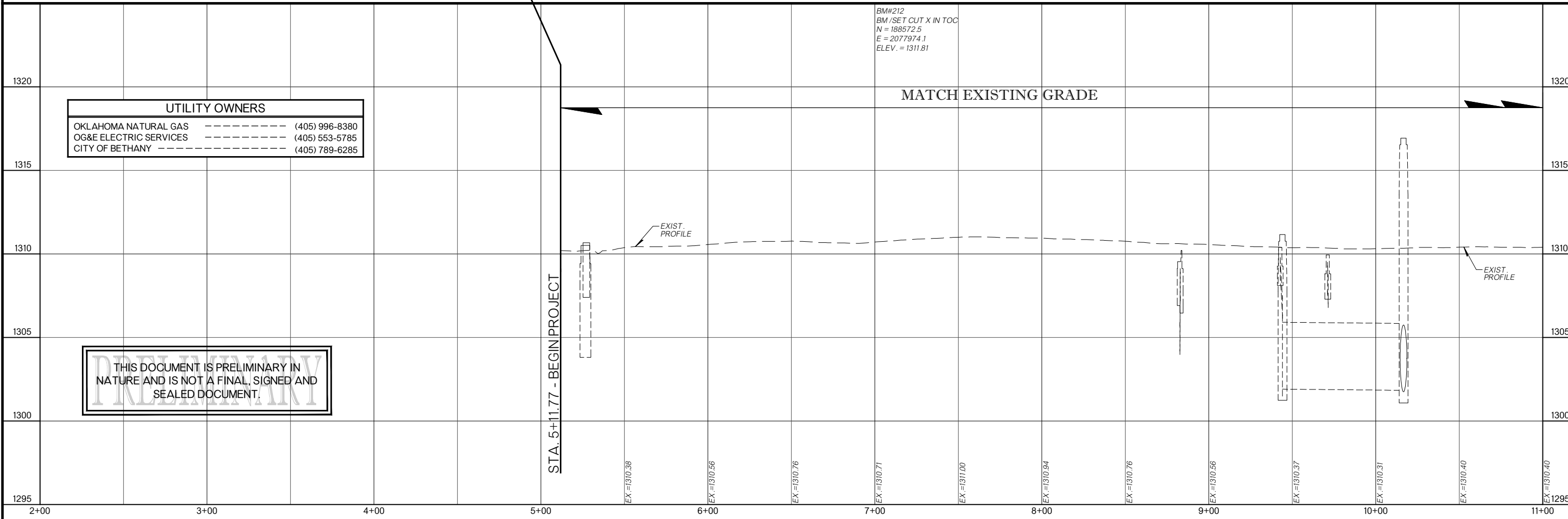
- +2255-LP 21' RT.
- +43 48-WV 13.9 RT.
- +51 54-WV 9.5 RT.
- +56 73-WV 23.1 LT.
- +60 70-FRM 22.0 LT.
- +70 86-WM 18.0 LT.
- +10 32-GM 20.8 LT.
- +18 85-WM 21.8 LT.
- +20 33-GM 23.0 LT.
- +45 84-LP 22.2 RT.
- +56 54-SIGN 18.9 RT.
- +61 57-TEL V 24.4 LT.
- +65 97-LP 22.1 LT.
- +69 97-WM 23.3 LT.
- +36 29-WM 22.2 LT.
- +73 96-WM 21.3 LT.
- +81 86-LP 22.0 RT.
- +35 87-WV 17.3 RT.
- +52 26-SIGN 21.3 RT.
- +54 31-LP 20.8 LT.
- +55 10-SIGN 27.1 LT.
- +84 16-SIGN 25.9 RT.
- +87 16-SIGN 25.7 LT.
- +00 55-WM 17.0 LT.
- +66 51-GM 26.0 LT.
- +77 79-GM 21.6 LT.
- +80 14-WM 23.8 LT.
- +89 00-SIGN 23.4 RT.
- +31 94-WM 22.4 LT.
- +81 64-GM 20.9 LT.
- +83 23-WM 21.3 LT.

BM#212
BM / SET CUT X IN TOC
N = 188572.5
E = 2077974.1
ELEV. = 1311.81

MATCH EXISTING GRADE

EXIST. PROFILE

EXIST. PROFILE



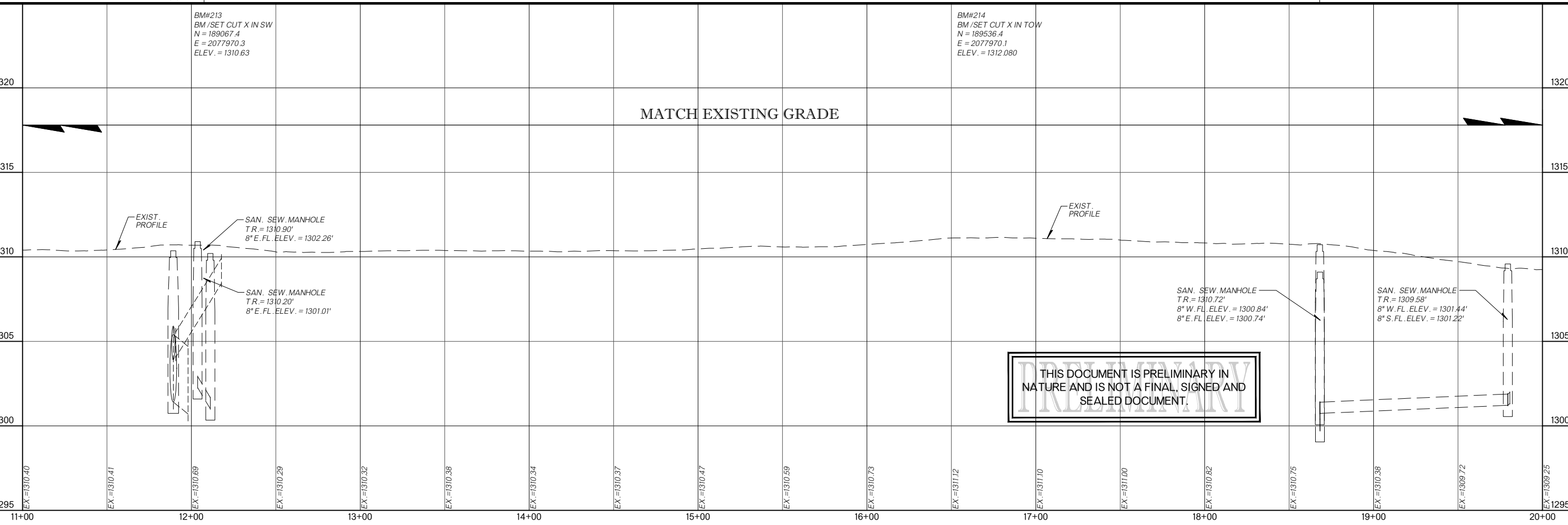
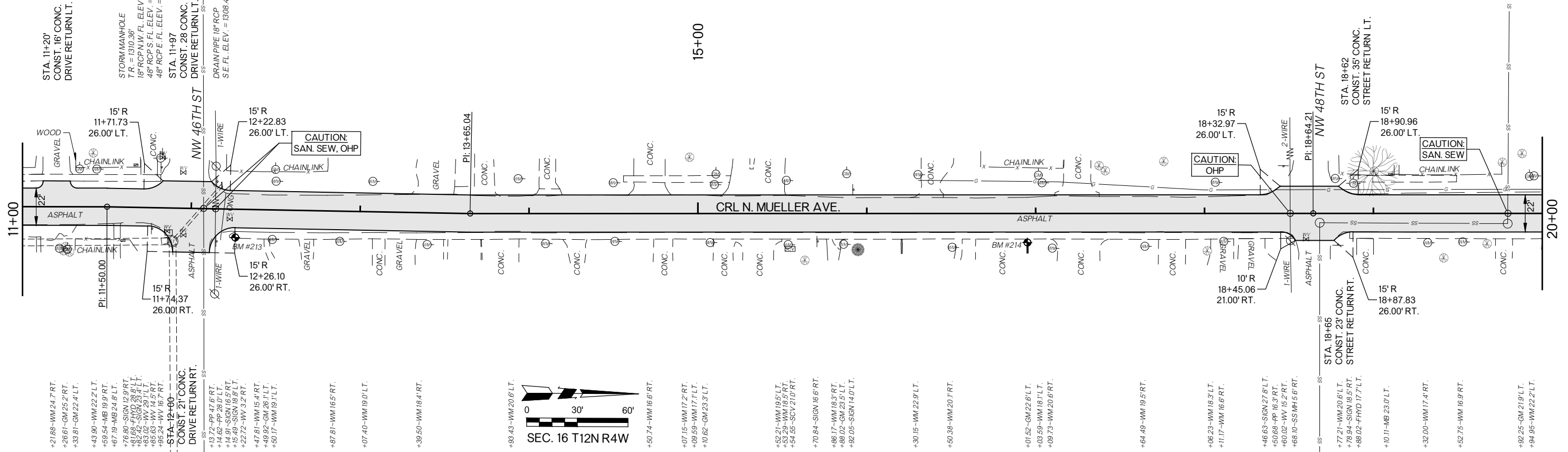
1F - N. MUELLER

15+00

20+00

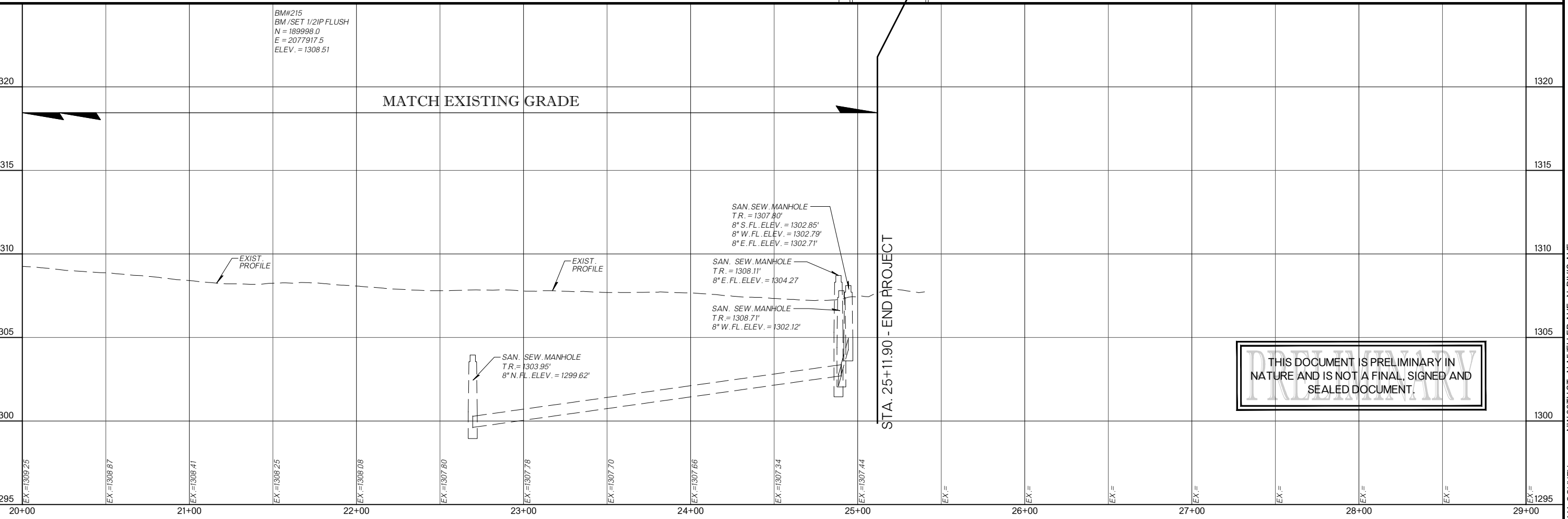
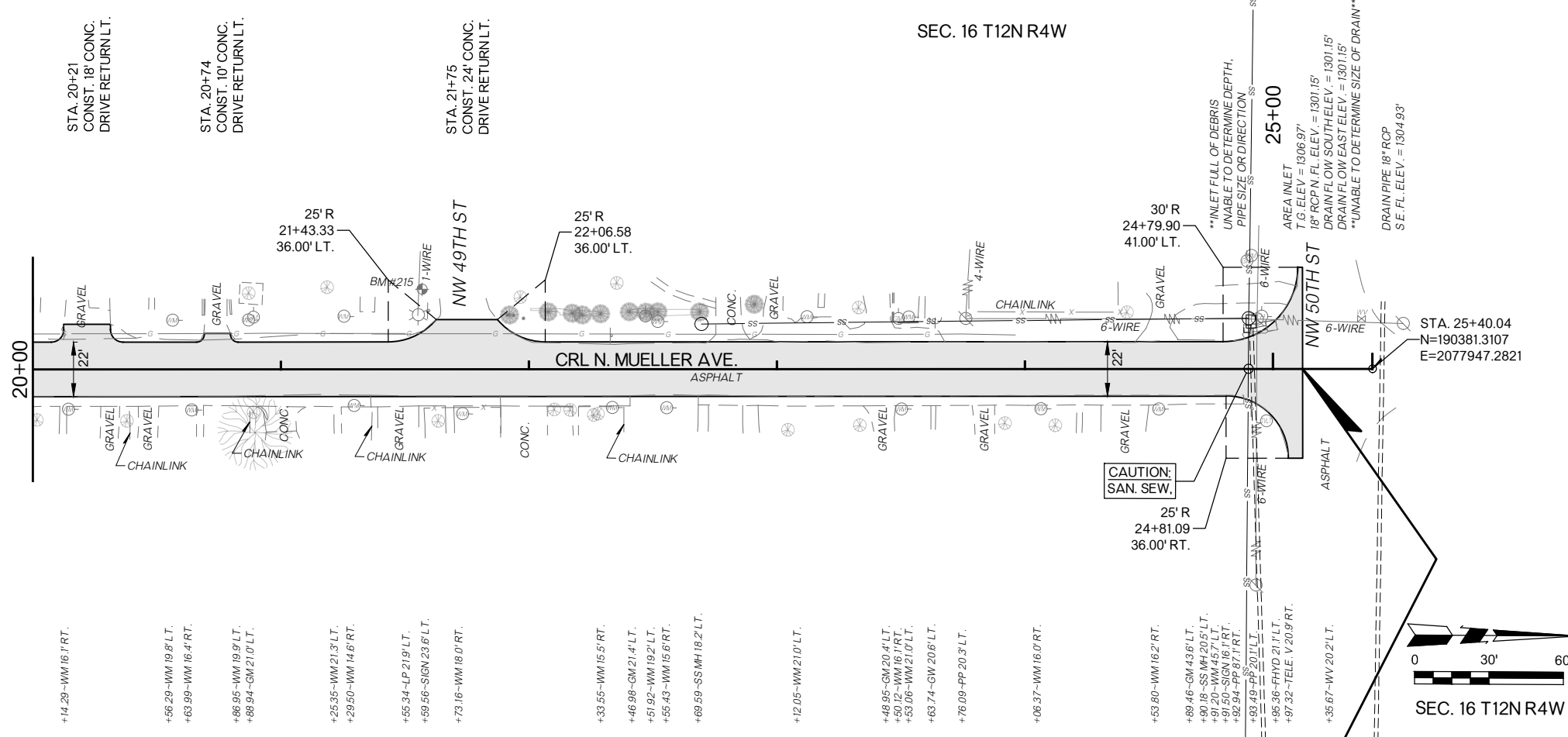
11+00

CRL N. MUELLER AVE.



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SEC. 16 T12N R4W

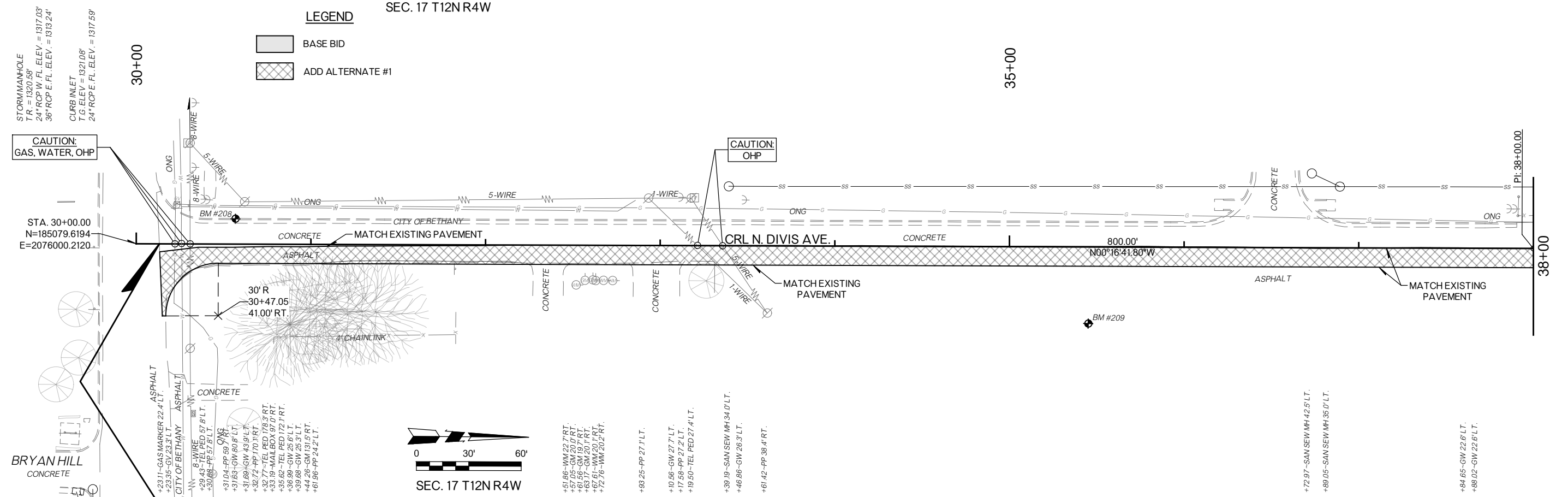


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SEC. 17 T12N R4W

LEGEND

- BASE BID
- ADD ALTERNATE #1



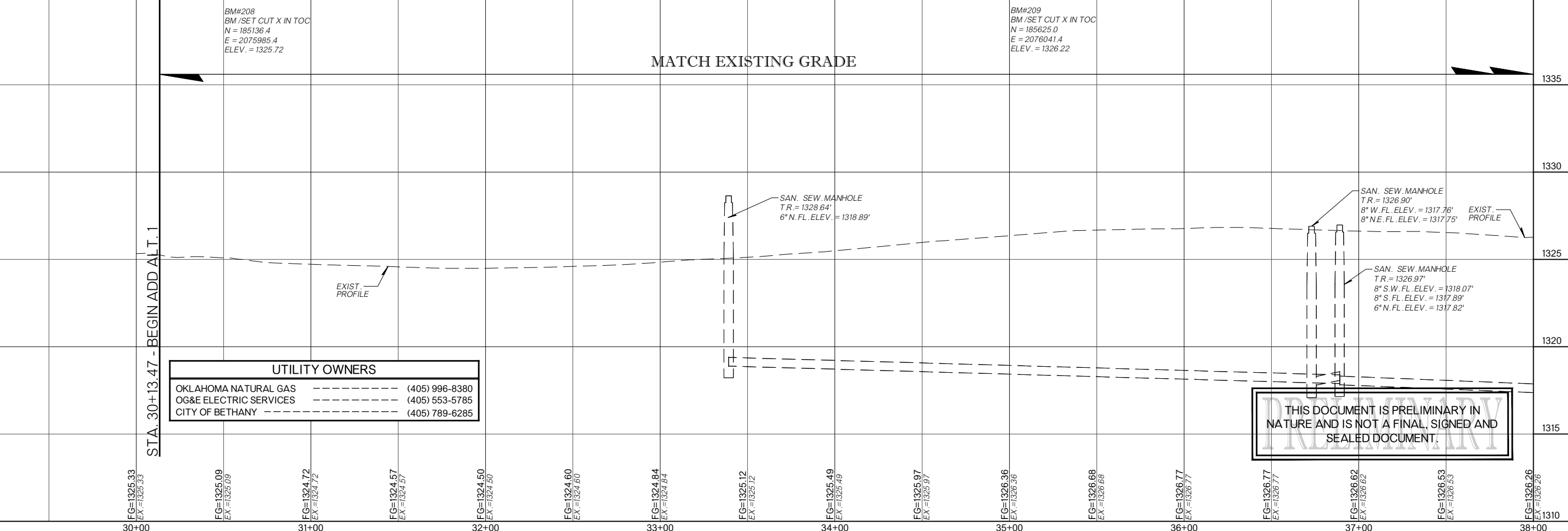
STORM MANHOLE
T.R. = 1320.58'
24" RCP W. FL. ELEV. = 1317.03'
36" RCP E. FL. ELEV. = 1313.24'

CURB INLET
T.G. ELEV. = 1321.08'
24" RCP E. FL. ELEV. = 1317.59'

CAUTION:
GAS, WATER, OHP

STA. 30+00.00
N=185079.6194
E=2076000.2120

BRYAN HILL
CONCRETE



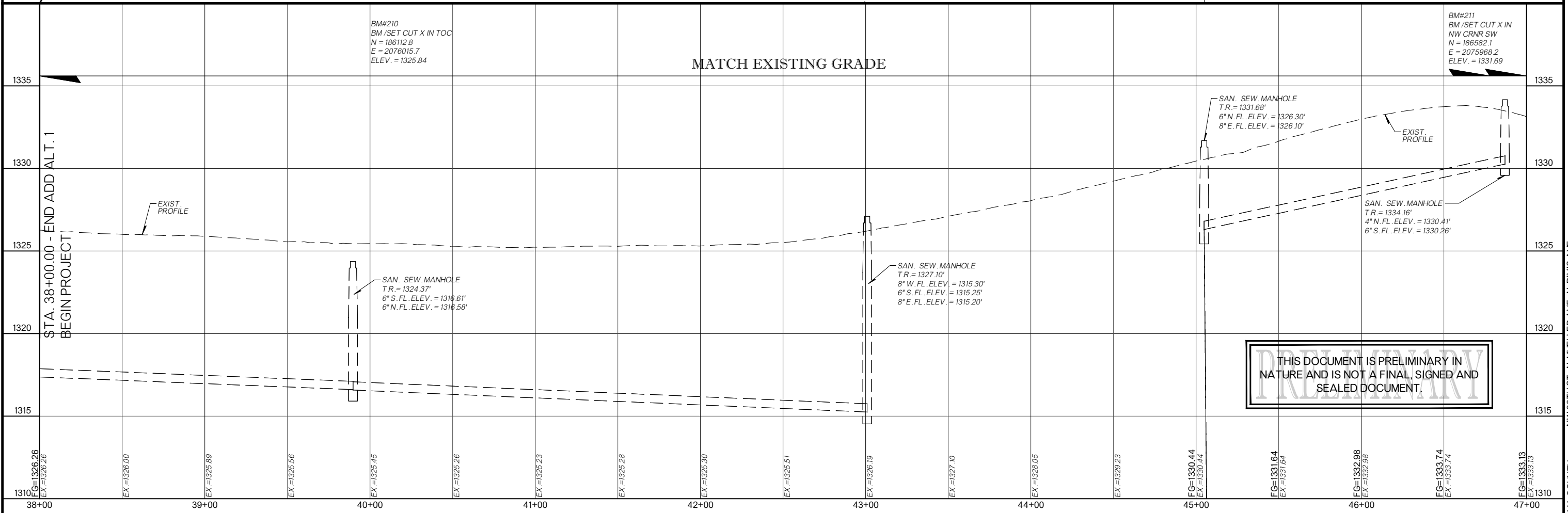
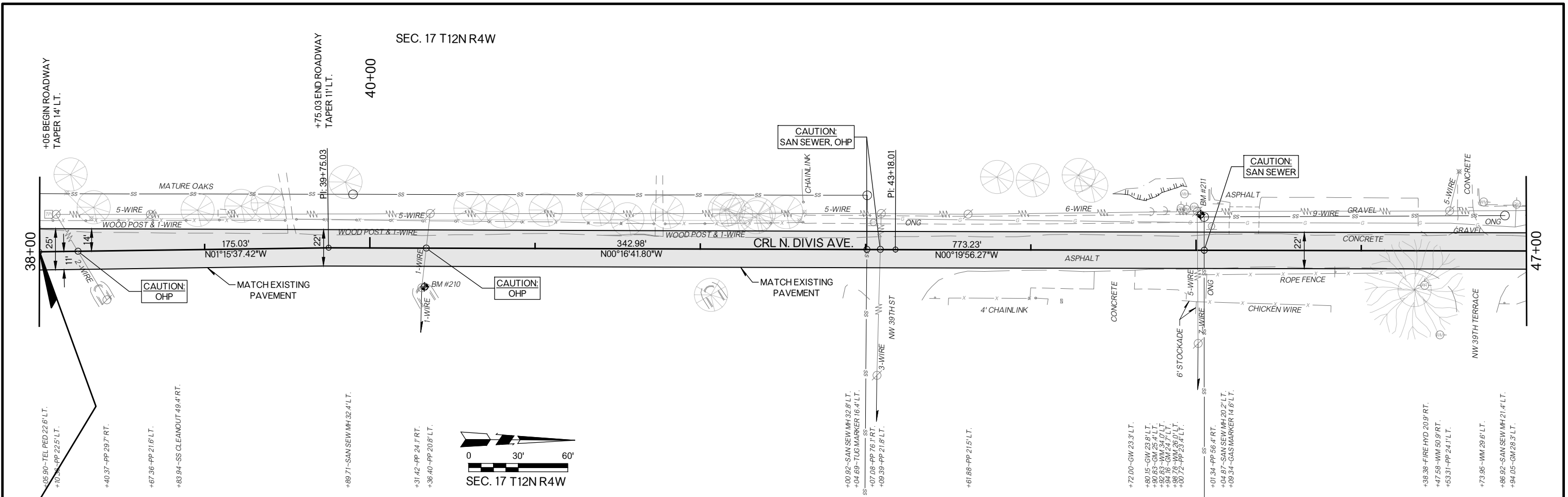
STA. 30+13.47 - BEGIN ADD ALT. 1

MATCH EXISTING GRADE

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1G - N. DIVIS

SEC. 17 T12N R4W

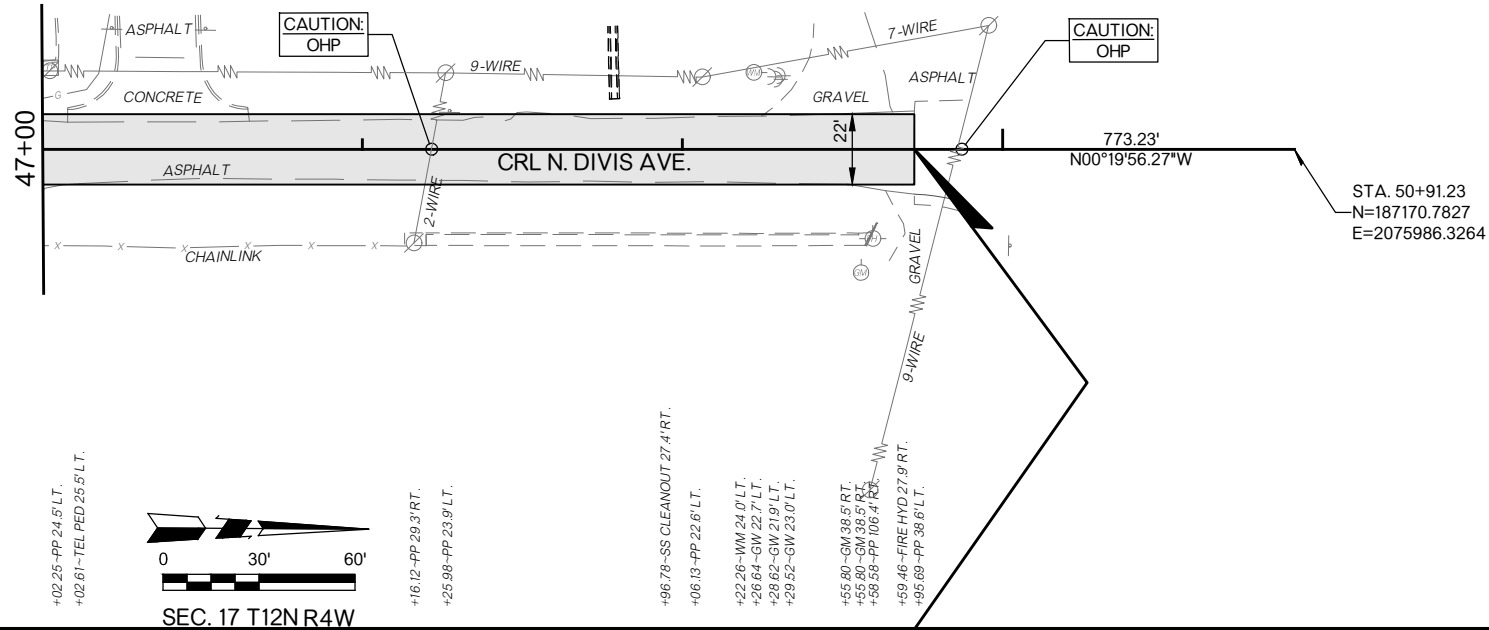


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1G - N. DIVIS

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

50+00



+02.25-PP 24.5' LT.
+02.61-TEL PED 25.5' LT.



+16.12-PP 29.3' RT.
+25.98-PP 23.9' LT.

+96.78-SS CLEANOUT 27.4' RT.

+06.13-PP 22.6' LT.

+22.26-WM 24.0' LT.
+26.64-GW 22.7' LT.
+28.62-GW 21.9' LT.
+29.52-GW 23.0' LT.

+55.80-GW 38.5' RT.
+55.80-GW 38.5' RT.
+58.58-PP 106.4' RT.
+59.46-FIRE HYD 27.9' RT.
+59.89-PP 38.6' LT.

MATCH EXISTING GRADE

1335

1335

1330

1330

1325

1325

1320

1320

1315

1315

1310

1310

47+00

48+00

49+00

50+00

51+00

52+00

53+00

54+00

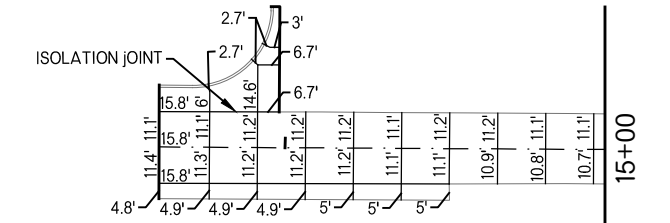
55+00

56+00

STA. 49+72.48 - END PROJECT

THIS DOCUMENT IS PRELIMINARY IN NATURE AND IS NOT A FINAL, SIGNED AND SEALED DOCUMENT.

10+00

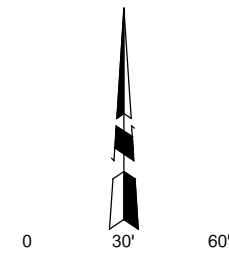


15+00

LEGEND

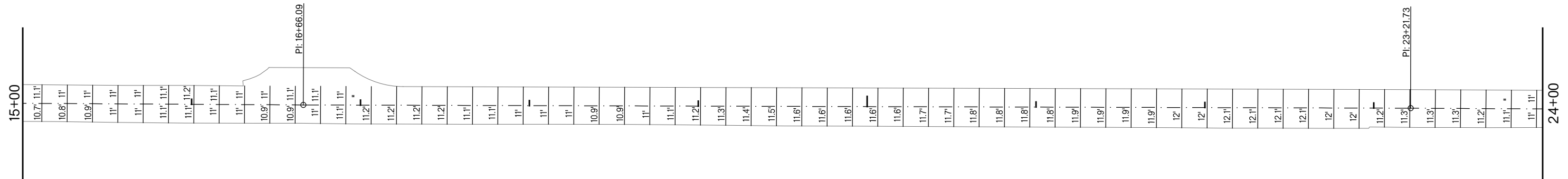
- EXPANSION / ISOLATION JOINT
- CONTRACTION JOINT
- - - LONGITUDINAL JOINT

ISOLATION JOINTS TO BE USED AROUND INLETS.
 TIED BUTT/LONGITUDINAL JOINTS TO BE USED AROUND ISLANDS.
 LONGITUDINAL JOINTS ON DRIVEWAYS AND STREET RETURNS
 SHOULD MATCH EXISTING JOINTS.



SEC. 21 T12N R4W

20+00



15+00

24+00

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 NATURE AND IS NOT A FINAL, SIGNED AND
 SEALED DOCUMENT.

JOINT LAYOUT
1E - NW 30TH ST.

Project No. 2023001(1E, 1F & 1G) Sheet No. R011

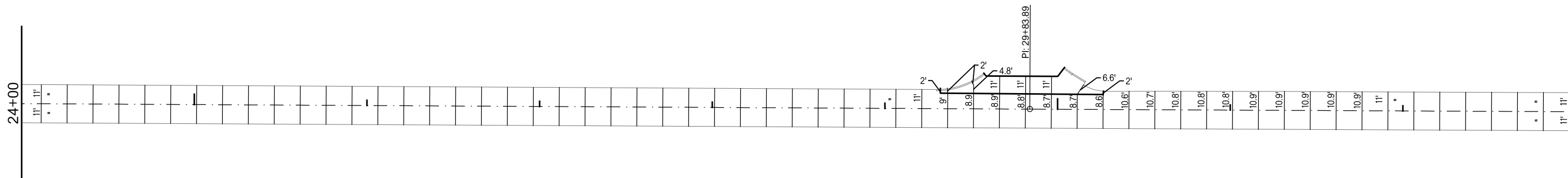
SEC. 21 T12N R4W

25+00

30+00

24+00

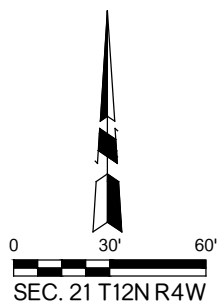
33+00



LEGEND

- EXPANSION / ISOLATION JOINT
- - - CONTRACTION JOINT
- · - · - LONGITUDINAL JOINT

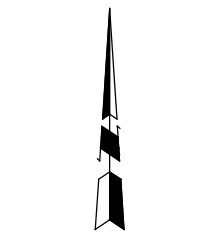
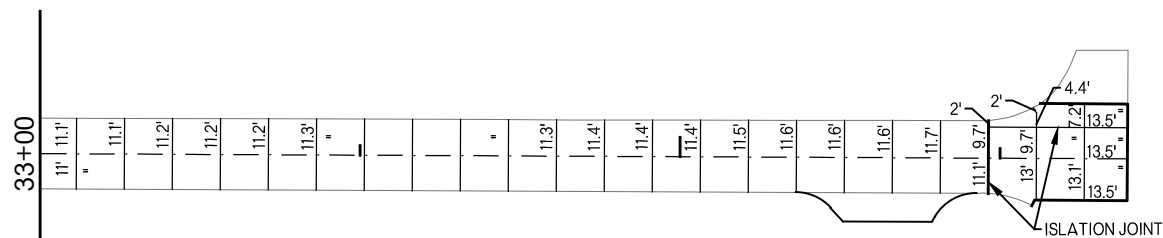
ISOLATION JOINTS TO BE USED AROUND INLETS.
 TIED BUTT/LONGITUDINAL JOINTS TO BE USED AROUND ISLANDS.
 LONGITUDINAL JOINTS ON DRIVEWAYS AND STREET RETURNS
 SHOULD MATCH EXISTING JOINTS.



SEC. 21 T12N R4W

35+00

33+00

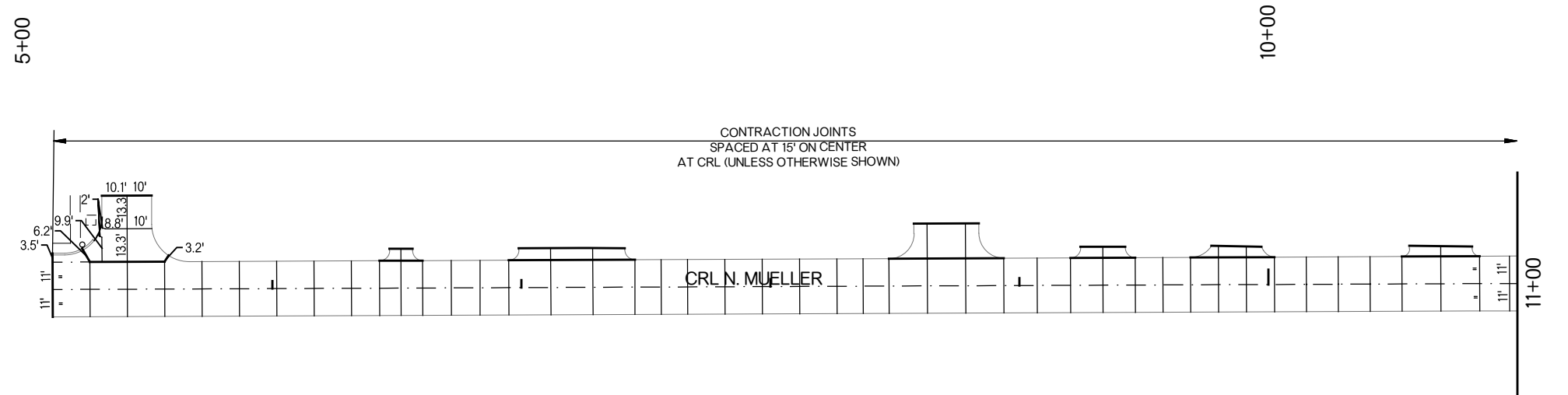


SEC. 21 T12N R4W

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JOINT LAYOUT
1E - NW 30TH ST.
 Project No. 2023001(1E, 1F & 1G) Sheet No. R012

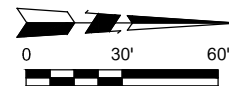
SEC. 16 T12N R4W



LEGEND

- EXPANSION / ISOLATION JOINT
- CONTRACTION JOINT
- - - LONGITUDINAL JOINT

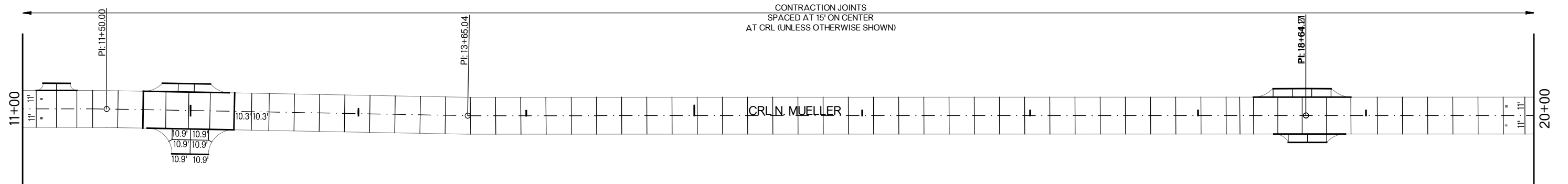
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 LONGITUDINAL JOINTS ON DRIVEWAYS AND STREET RETURNS
 SHOULD MATCH EXISTING JOINTS.



SEC. 16 T12N R4W

SEC. 16 T12N R4W

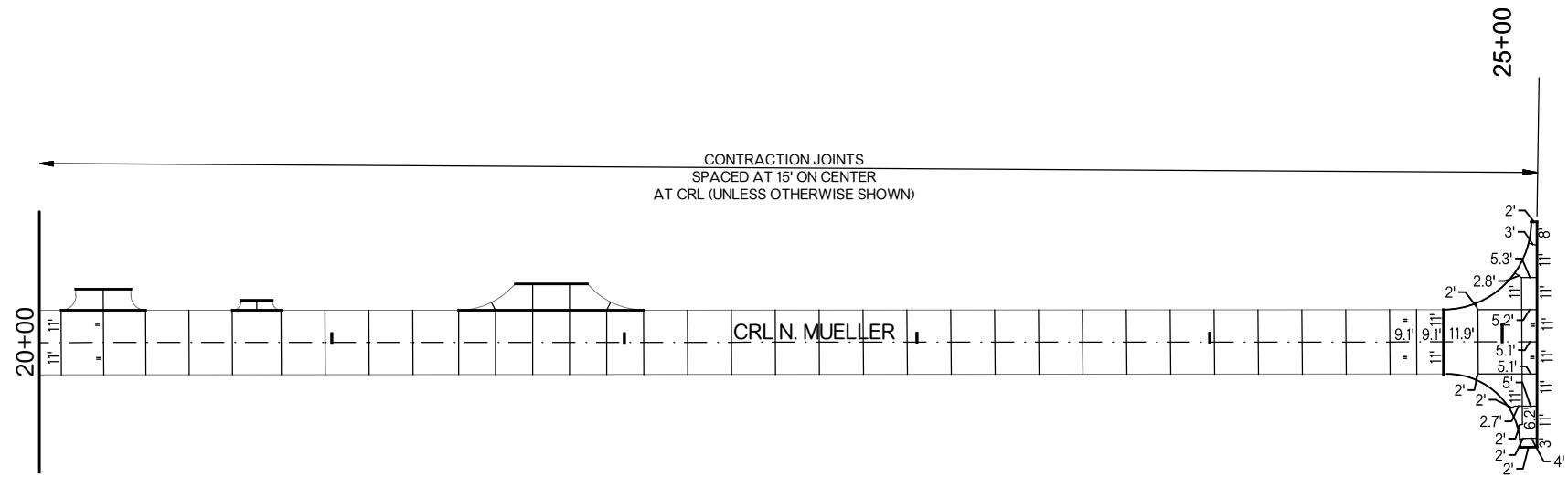
15+00



SEC. 16 T12N R4W

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JOINT LAYOUT
 1F - N. MUELLER AVE.



LEGEND

- EXPANSION / ISOLATION JOINT
- CONTRACTION JOINT
- - - LONGITUDINAL JOINT

ISOLATION JOINTS TO BE USED AROUND INLETS.
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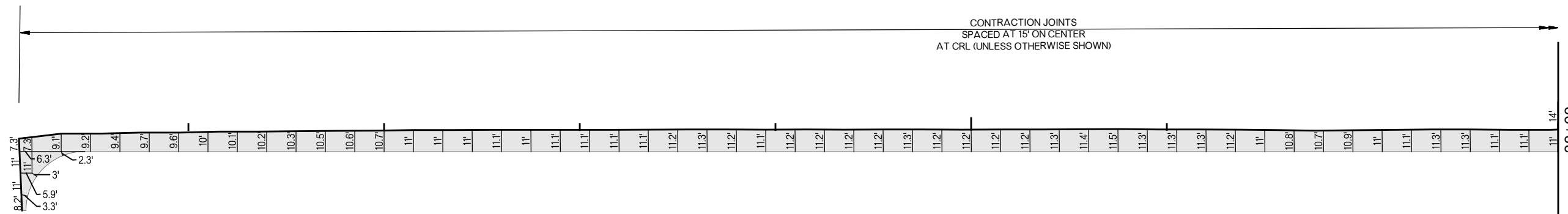
JOINT LAYOUT
1F - N. MUELLER AVE.
 Project No. 2023001(1E, 1F & 1G) Sheet No. R014

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

SEC. 17 T12N R4W

30+00

35+00



LEGEND

- EXPANSION / ISOLATION JOINT
- - - CONTRACTION JOINT
- · · LONGITUDINAL JOINT

ISOLATION JOINTS TO BE USED AROUND INLETS.
 TIED BUTT/LONGITUDINAL JOINTS TO BE USED AROUND ISLANDS.
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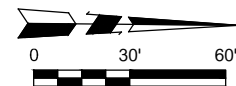
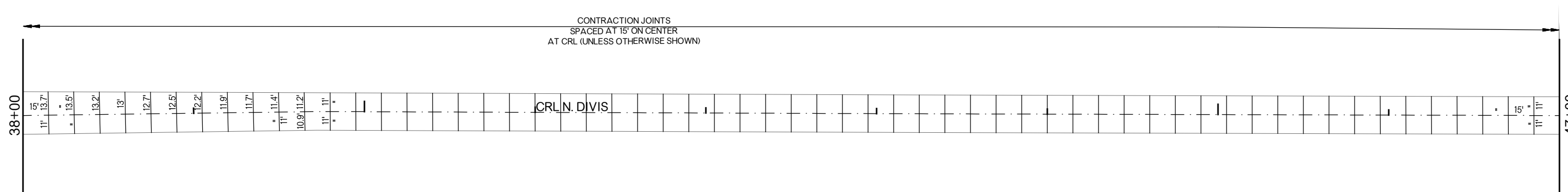
□ DIVIS ADD ALT. NO. 1



SEC. 17 T12N R4W

SEC. 17 T12N R4W

40+00



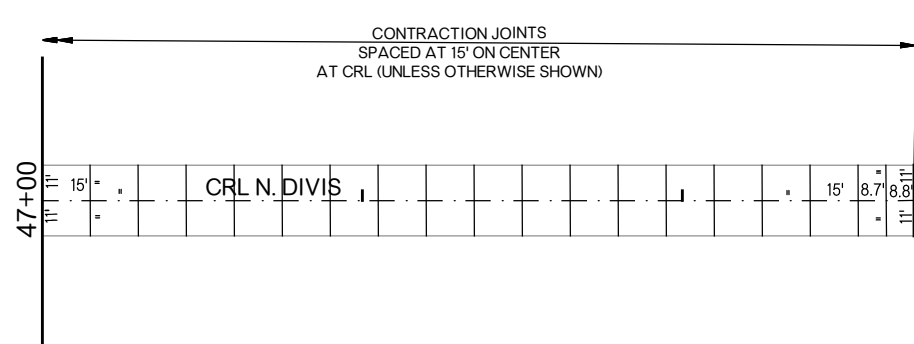
SEC. 17 T12N R4W

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JOINT LAYOUT
1G - N. DIVIS AVE.

SEC. 17 T12N R4W

50+00



SEC. 17 T12N R4W

LEGEND

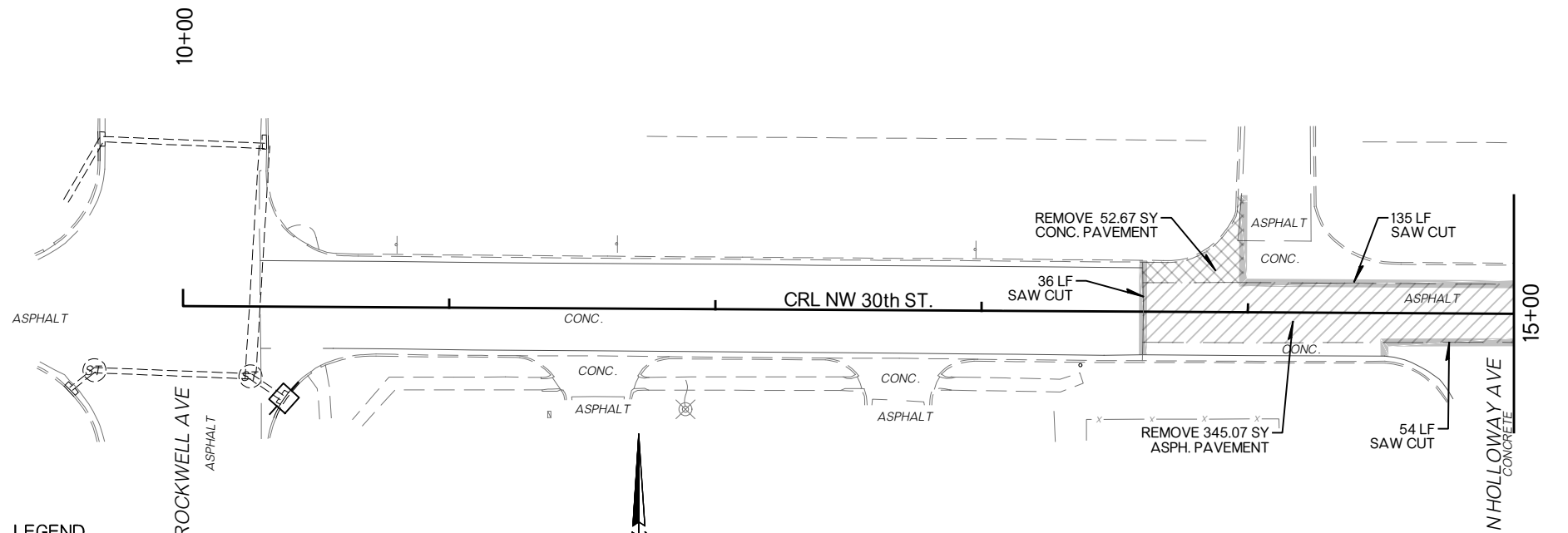
- EXPANSION / ISOLATION JOINT
- CONTRACTION JOINT
- - - - LONGITUDINAL JOINT

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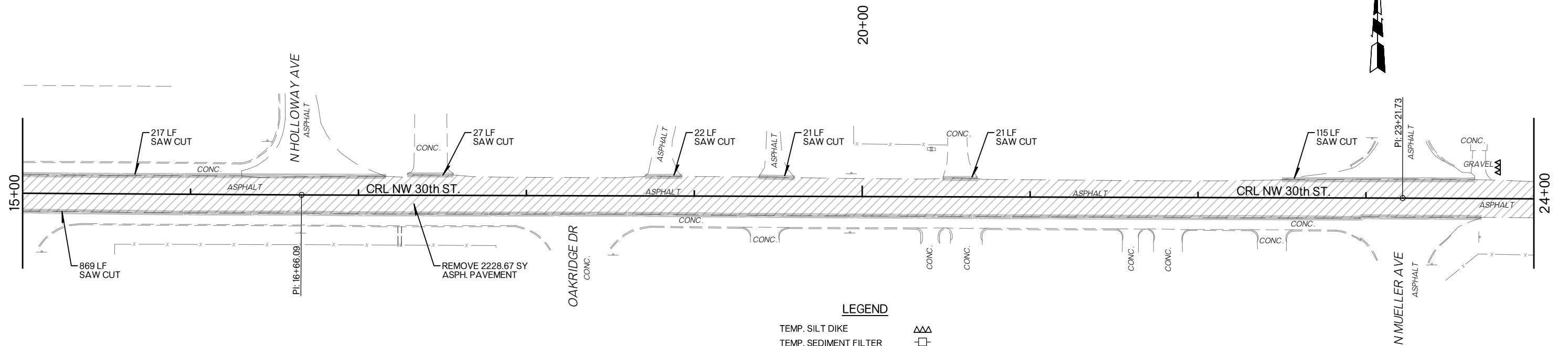
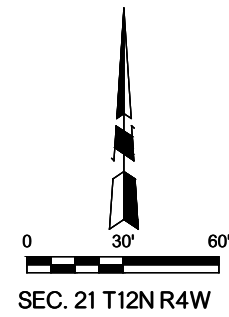
JOINT LAYOUT
1G - N. DIVIS AVE.
 Project No. 2023001(1E, 1F & 1G) Sheet No. R016

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.



REMOVAL QUANTITIES		
CONCRETE PAVEMENT	SY	52.67
ASPHALT PAVEMENT	SY	2,573.74
SAWING PAVEMENT	LF	1,517

- LEGEND**
- ASPHALT PAVEMENT REMOVAL
 - CONCRETE PAVEMENT REMOVAL
 - MISCELLANEOUS REMOVAL



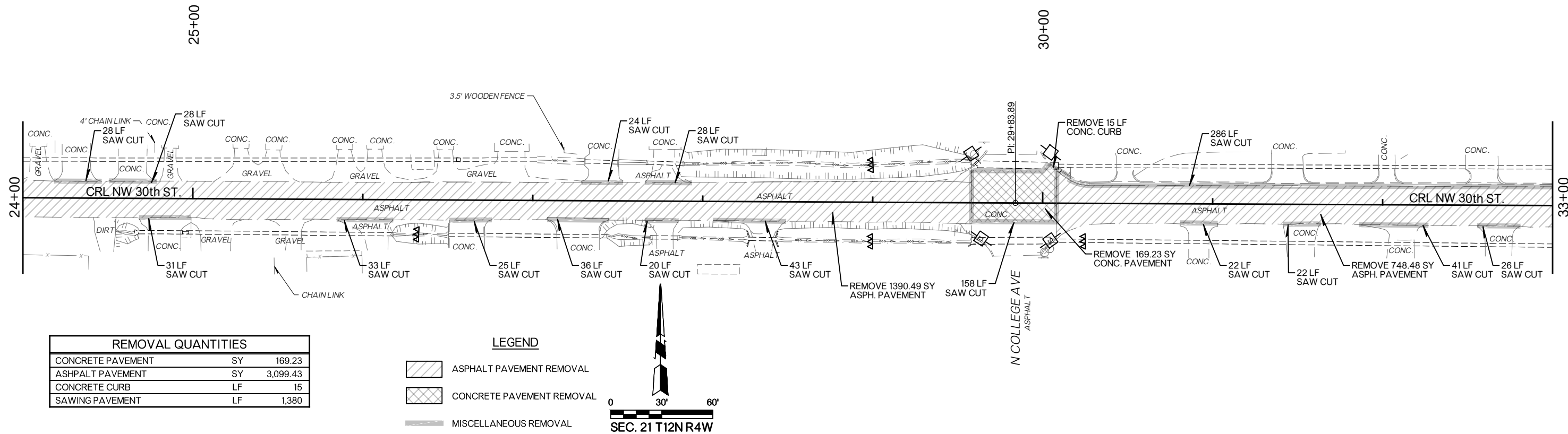
- LEGEND**
- TEMP. SILT DIKE
 - TEMP. SEDIMENT FILTER
 - DRAINAGE DIRECTION

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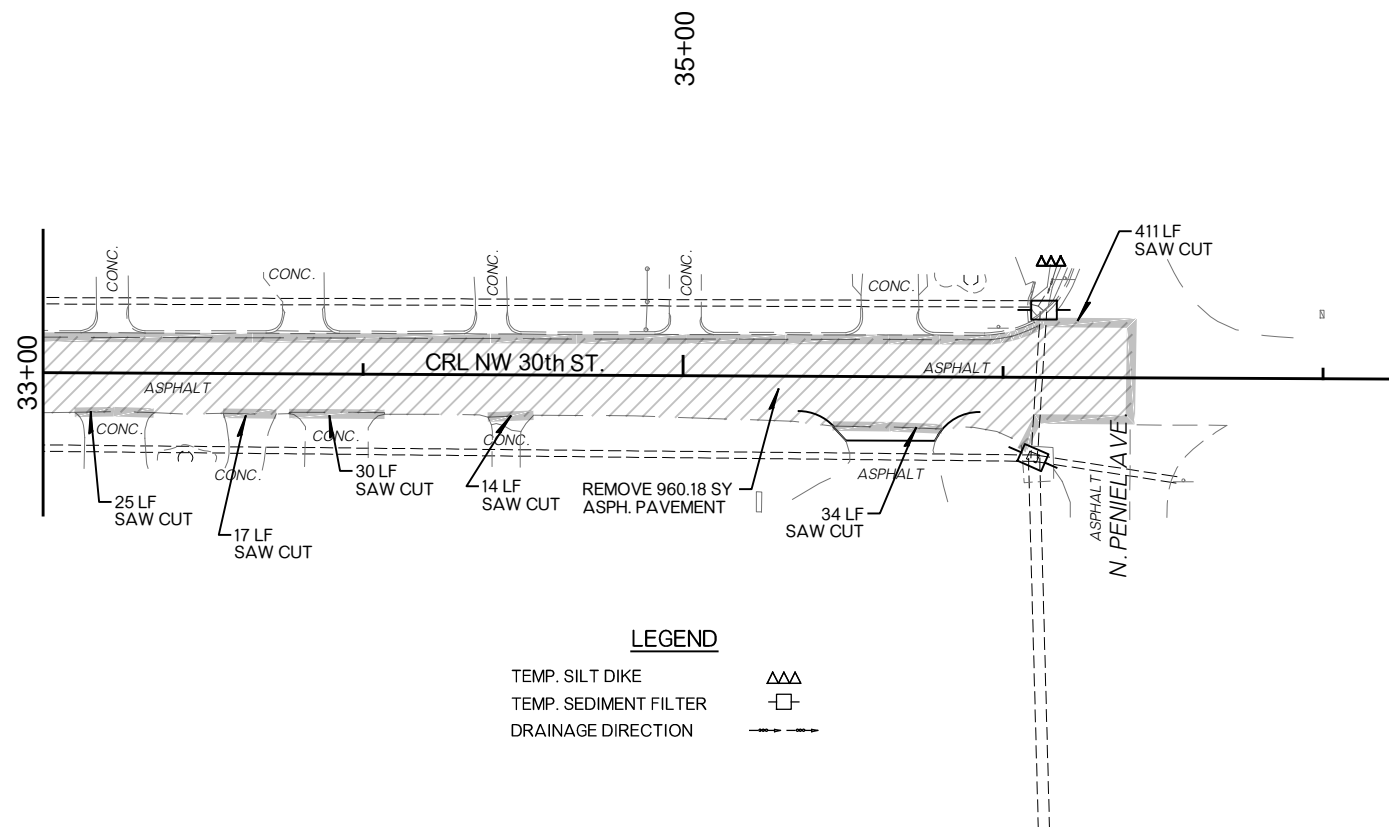
REMOVAL & EROSION CONTROL
1E - NW 30TH ST.

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

SEC. 21 T12N R4W



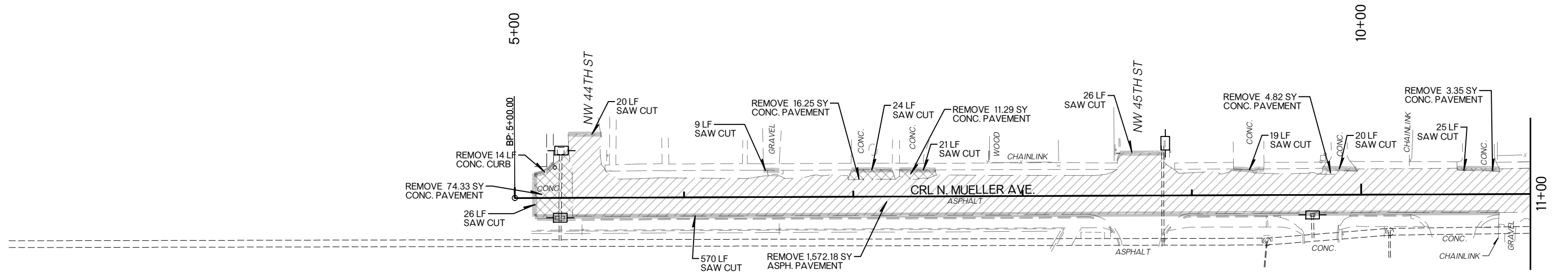
SEC. 21 T12N R4W



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REMOVAL & EROSION CONTROL
1E - NW 30TH ST.

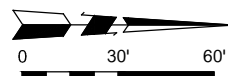
SEC. 16 T12N R4W



LEGEND

- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- MISCELLANEOUS REMOVAL

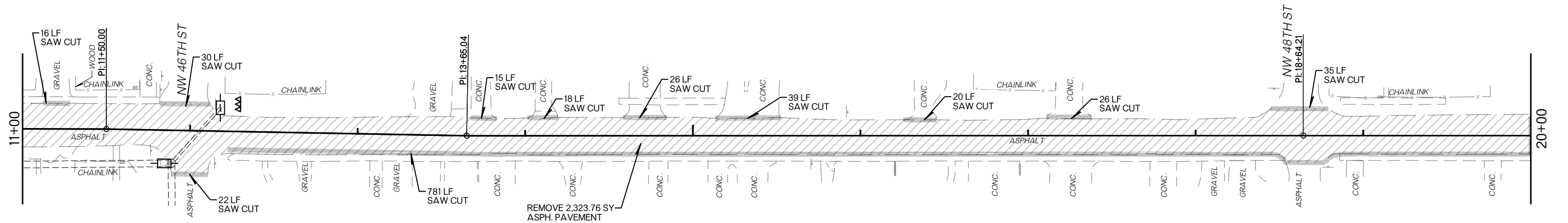
REMOVAL QUANTITIES		
CONCRETE PAVEMENT	SY	110.04
ASPHALT PAVEMENT	SY	3,895.94
CONCRETE CURB	LF	14
SAWING PAVEMENT	LF	1,788



SEC. 16 T12N R4W

SEC. 16 T12N R4W

15+00



LEGEND

- TEMP. SILT DIKE
- TEMP. SEDIMENT FILTER
- DRAINAGE DIRECTION






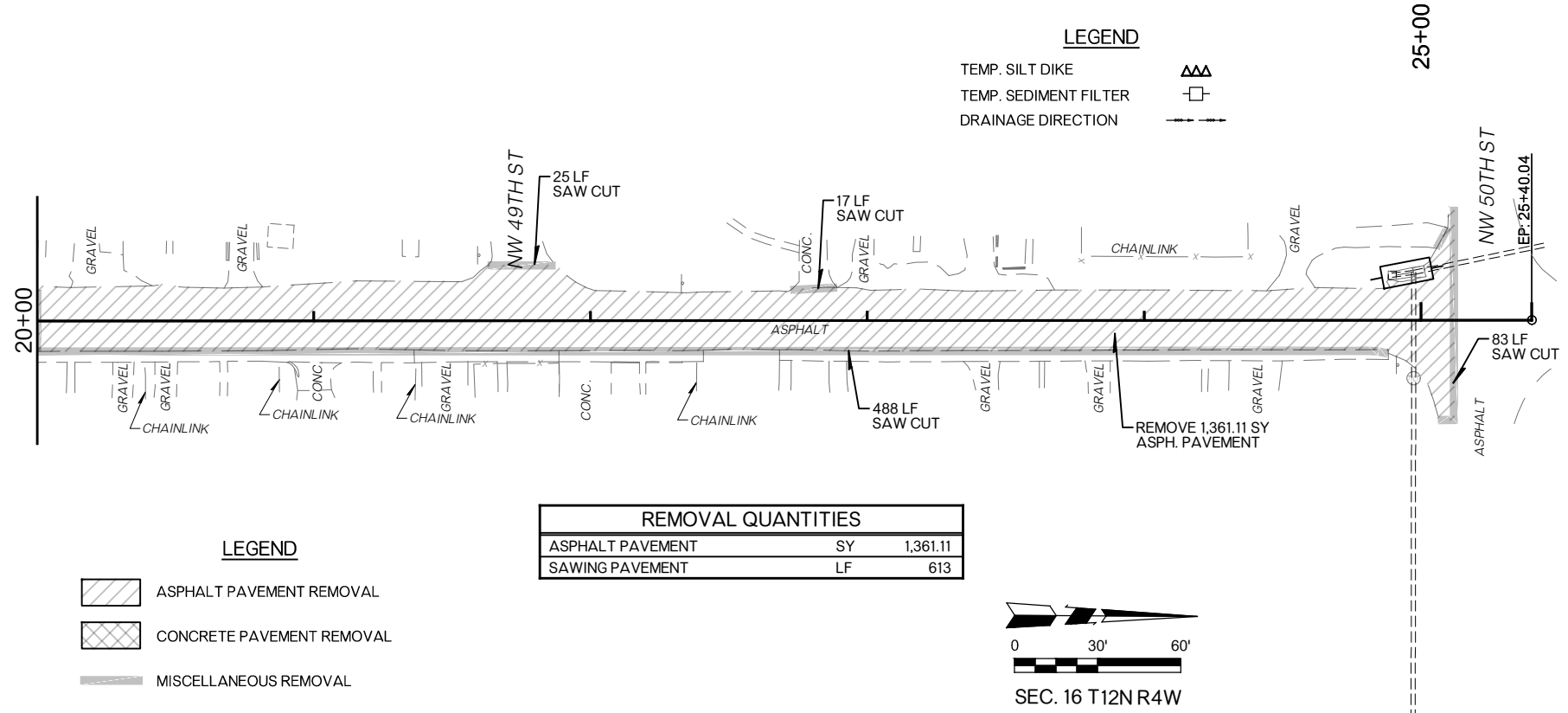
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REMOVAL & EROSION CONTROL
1F - N. MUELLER AVE.

LEGEND

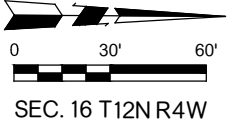
- TEMP. SILT DIKE 
- TEMP. SEDIMENT FILTER 
- DRAINAGE DIRECTION 



LEGEND

-  ASPHALT PAVEMENT REMOVAL
-  CONCRETE PAVEMENT REMOVAL
-  MISCELLANEOUS REMOVAL

REMOVAL QUANTITIES		
ASPHALT PAVEMENT	SY	1,361.11
SAWING PAVEMENT	LF	613



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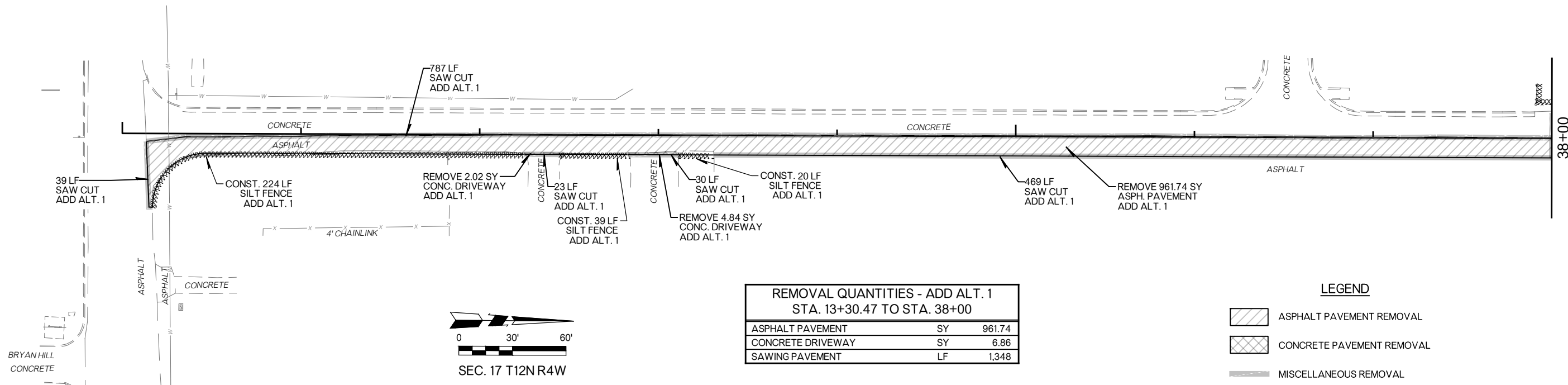
REMOVAL & EROSION CONTROL
1F - N. MUELLER AVE.

SEC. 17 T12N R4W

30+00

35+00

38+00



**REMOVAL QUANTITIES - ADD ALT. 1
STA. 13+30.47 TO STA. 38+00**

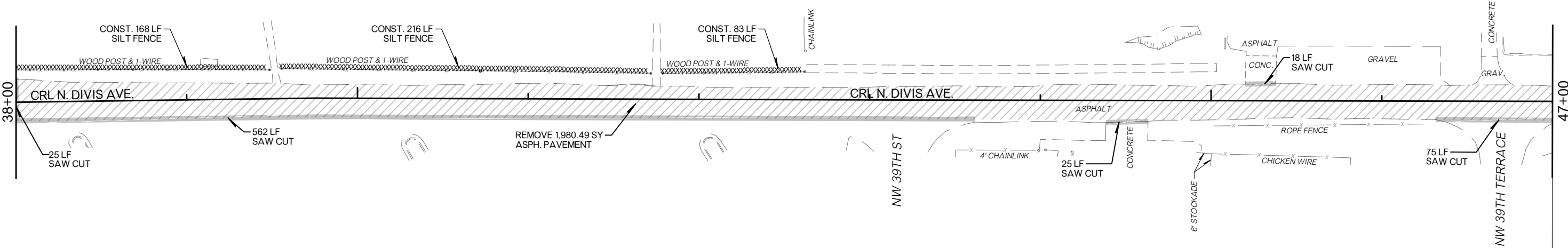
ASPHALT PAVEMENT	SY	961.74
CONCRETE DRIVEWAY	SY	6.86
SAWING PAVEMENT	LF	1,348

LEGEND

	ASPHALT PAVEMENT REMOVAL
	CONCRETE PAVEMENT REMOVAL
	MISCELLANEOUS REMOVAL

SEC. 17 T12N R4W

40+00



REMOVAL QUANTITIES

ASPHALT PAVEMENT	SY	1,980.49
SAWING PAVEMENT	LF	705



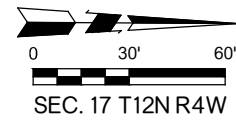
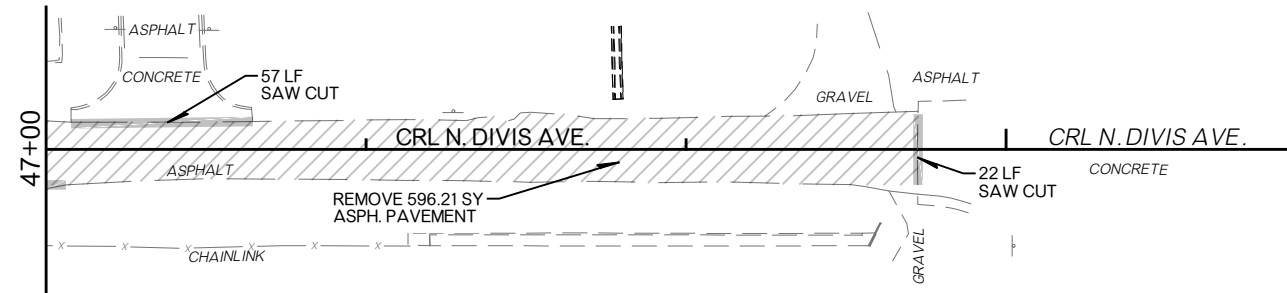
PRELIMINARY
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**REMOVAL & EROSION CONTROL
1G - N. DIVIS AVE.**
Project No. 2023001(1E, 1F & 1G) Sheet No. R020

OKLAHOMA COUNTY
NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

SEC. 17 T12N R4W




50+00



SEC. 17 T12N R4W

REMOVAL QUANTITIES		
ASPHALT PAVEMENT	SY	596.21
SAWING PAVEMENT	LF	79

LEGEND

-  ASPHALT PAVEMENT REMOVAL
-  CONCRETE PAVEMENT REMOVAL
-  MISCELLANEOUS REMOVAL

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REMOVAL & EROSION CONTROL
1G - N. DIVIS AVE.

Project No. 2023001(1E, 1F & 1G) Sheet No. R021

OKLAHOMA COUNTY NW 30TH ST., N. MUELLER AVE., N. DIVIS AVE.

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: October 17, 2023
Subject: Request Permission to Advertise for Bids for N.W. 23rd and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-A

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 1, that included Project 1-A, N.W. 23rd and N. Rockwell Avenue traffic signalization and pedestrian improvement project.

On April 24, 2023, the City of Bethany entered into a contract for engineering and design services with TEIM Design, LLC.

TEIM Design now requests permission to advertise for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for N.W. 23rd and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-A.

ADDITIONAL COMMENTS

A circular stamp containing the handwritten initials "dg" in blue ink.

SURVEY CONTROL DATA

1 HORIZONTAL CONTROL:

HORIZONTAL CONTROL FOR THIS SURVEY IS CITY OF OKLAHOMA CITY OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83 (CORS96), LAMBERT PROJECTION (NORTH ZONE) TYPING SPECIFICALLY TO CITY OF OKLAHOMA CITY SURVEY MONUMENT STATION #346

2 BEARINGS:

2.1 THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL

3 VERTICAL CONTROL:

3.1 THE VERTICAL CONTROL FOR THIS SURVEY IS ALSO TIED TO OKC SURVEY MONUMENT STATION #346

3.2 ONE (1) CONTROL POINT AND SIX (6) BENCHMARKS WERE SET AS A PART OF THIS SURVEY

3.2.1 DIFFERENTIAL LEVEL RUN WAS PERFORMED THROUGH ESTABLISHED SURVEY CONTROL

UTILITY NOTES

- PRIOR TO THE FIELD SURVEY CALL OKIE WAS CONTACTED TO MARK UTILITIES. ALL MARKED UTILITY AND VISIBLE UTILITIES WERE LOCATED DURING SURVEY. HOWEVER, ELEVATION AND SURVEYING ASSUMES NO LIABILITY FOR UTILITIES THAT WERE NOT MARKED OR INCORRECTLY MARKED. THE CONTRACTOR FOR CONSTRUCTION IS RESPONSIBLE FOR GETTING THE UTILITIES RE-MARKED BEFORE PERFORMING DIGGING OPERATIONS
- THERE IS NO WARRANTY MADE THAT THIS SURVEY REPRESENTS A COMPLETE INVENTORY OF UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED ON OR NEAR THE PREMISES. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE AT THE TIME OF THE SURVEY, THERE HAS BEEN NO UNDERGROUND INVESTIGATION PERFORMED ON THE PREMISES IN CONJUNCTION WITH THIS SURVEY

CITY OF BETHANY

PUBLIC WORKS DEPARTMENT

PLAN OF PROPOSED

SIDEWALK & TRAFFIC SIGNAL PLANS

N. ROCKWELL AVE. & NW 23RD ST.

G.O. BOND

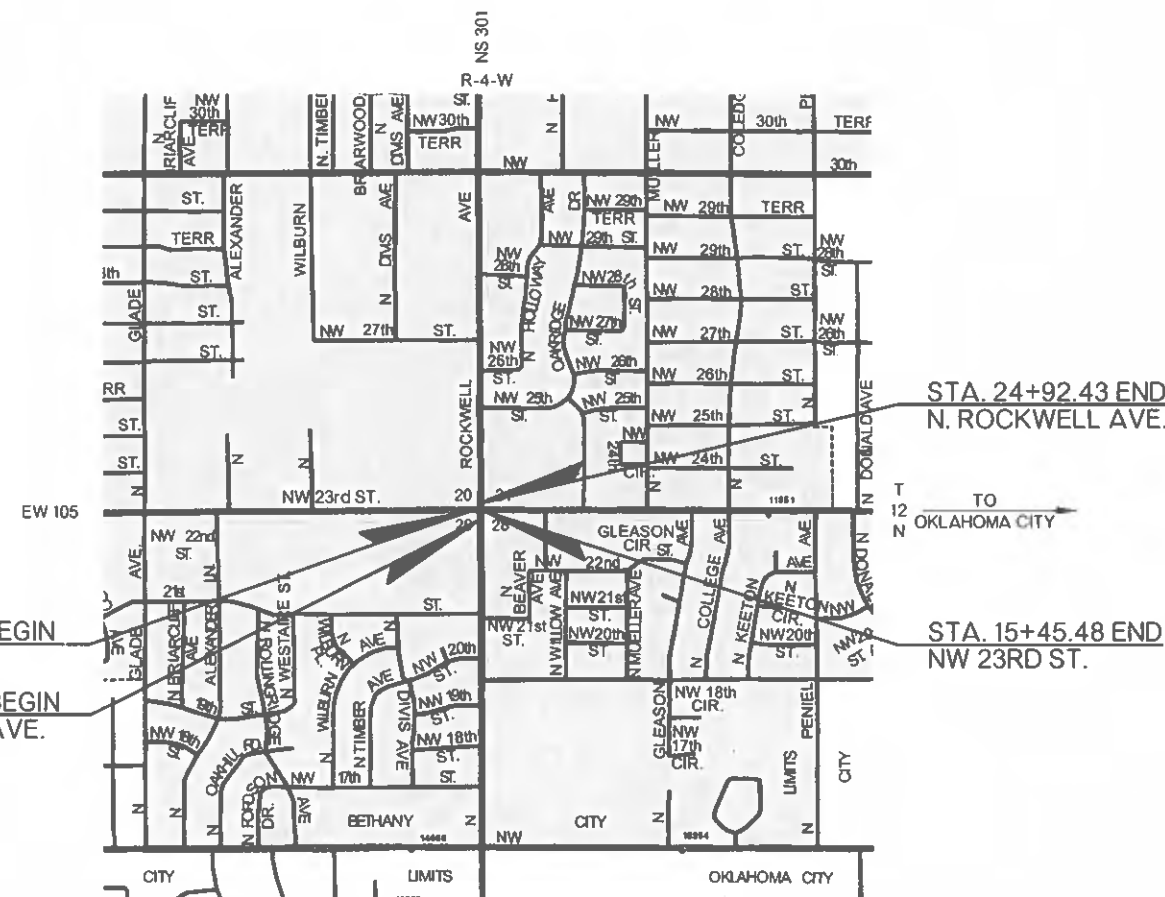
PROJECT NO. 2023001(1A)

INDEX OF SHEETS

0001	TITLE
0002	TYPICAL SECTIONS
AR01	SUMMARY OF PAY QUANTITIES, NOTES, & SUMMARIES
R001	STORM WATER MANAGEMENT PLAN
R002	REMOVAL
R003	SIDEWALK DETAILS
T001	SIGNAL MODIFICATION PLAN

CONTROL POINT TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP 8	CP SET 1/2IP W/CP CAP	181235.8560	2076613.5140	1313.650
CP 346	CP /CITY OF OKC MON 346	179755.9300	2076069.2830	1308.143

BENCHMARK TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
BM 219	BM /SET CUT X IN TOC	179701.7	2076527.4	1310.290
BM 220	BM /SET CUT X IN TOC	179502.0	2076715.3	1306.070
BM 221	BM /SET CUT X IN TOC	179845.0	2076983.6	1314.460
BM 222	BM /SET CUT X IN TOC	179974.0	2076707.8	1312.350
BM 223	BM /SET CUT X IN TOC	180347.2	2076611.8	1308.180
BM 224	BM /SET CUT X IN TOC	180871.1	2076697.7	1312.240



CITY OF BETHANY, OKLAHOMA

- NIKKI LLOYD MAYOR
- COUNCIL MEMBERS:
- PETER PLANK WARD 1
 - CHRIS POWELL WARD 1
 - KEN SMART WARD 2
 - STEVE PALMER WARD 2
 - MARILYN MCPHAIL WARD 3
 - KATHY LARSEN WARD 3
 - BRIAN MAGIROWSKY WARD 4
 - JEFF KNAPP WARD 4
 - ELIZABETH GRAY CITY MANAGER

RECOMMENDED FOR APPROVAL

ROBERT DON WILLIAMS, P.E. DATE
CITY ENGINEER

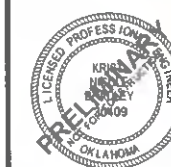


2019 OKLAHOMA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND APPROPRIATE CITY OF BETHANY STANDARD DRAWINGS GOVERN

THE FOLLOWING ODOT STANDARD DRAWINGS SHALL BE REQUIRED FOR THIS PROJECT:

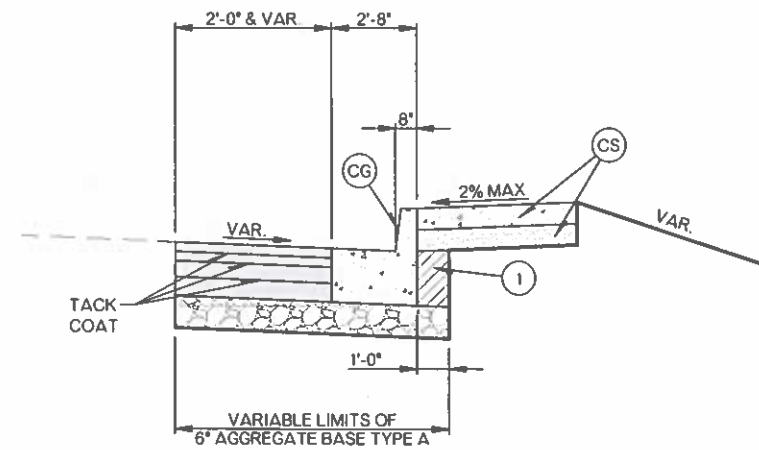
- 2019 ROADWAY
- SSS-2-1
- ASCD-6-1
- LECS 5-2
- WCR 4-2
- TWD-2-0
- PDT 2-2
- 2009 TRAFFIC
- SIGNING & STRIPING
- CONTROL

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TEIM DESIGN, PLLC
3020 N.W. 149TH STREET
OKLAHOMA CITY, OK 73134
PH. (405) 752-1122
CA# 8428, RENEWAL 06-30-2025

KRISTI NICOLE BRADLEY DATE
LICENSED PROFESSIONAL ENGINEER NO. 30409



PAVEMENT RECONSTRUCTION DETAIL
SEE SIDEWALK DETAIL SHEET FOR LOCATIONS

PAVEMENT REQUIREMENTS	
PAVEMENT STRUCTURE	PAVING
SURFACE COURSE	1.75" SUPERPAVE TYPE S5 (PG 64-22 OK)
BASE COURSE	1.75" SUPERPAVE TYPE S5 (PG 64-22 OK)
	3" SUPERPAVE TYPE S3 (PG 64-22 OK)
	3.5" SUPERPAVE TYPE S3 (PG 64-22 OK)

- (1) BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.
- (CS) 4" CONCRETE SIDEWALK WITH 4" SAND CUSHION.
- (CG) 2'-8" COMBINED CURB & GUTTER (8" BARRIER CURB)

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TYPICAL SECTION
Project No. 2023001(1A) Sheet No. 0002

PAY QUANTITY NOTES

- (R-6) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER S.Y..
- (R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.
- (R-25) ESTIMATED AT 0.075 GALLONS PER SQUARE YARD OF ORIGINAL EMULSION OF TACK COAT (BEFORE DILUTION FOR APPLICATION) IN ACCORDANCE WITH SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (R-26) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.
- (1) QUANTITY ESTIMATED AT 42 C.Y..
- (2) PRICE BID TO INCLUDE THE COST OF TOPSOIL.
- (3) CURB HEIGHT MAY VARY. ADJUST HEIGHT TO MATCH EXISTING FIELD CONDITION
- (4) MINIMAL STAKING IS REQUIRED TO INCLUDE: LOCATE AND REFERENCE THE CENTERLINE OF PERMANENT CONSTRUCTION, STAKE R/W LINES, IDENTIFY AND VERIFY BENCHMARKS, AND ON GRADE STAKES MARK THE STA. # AND DISTANCE FROM CENTERLINE OF CONSTRUCTION.
- (5) 6" OF AGGREGATE BASE ARE SPECIFIED, HOWEVER, ACTUAL THICKNESS AND USE MAY VARY IF SUBGRADE IS FIRM ENOUGH, NO AGGREGATE BASE MAY BE NEEDED. IN THIS INSTANCE, AFTER REMOVAL OF THE EXISTING PAVEMENT THE EXISTING SUBGRADE IS TO BE COMPACTED SO AS TO RECEIVE THE NEW ASPHALT.

GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, PATHS, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS WILL COMPLY WITH PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), PUBLISHED JULY 26, 2011. WHERE SPECIAL LIMITATIONS OF EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH PROWAG, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR WILL NOT PROCEED WITH ANY OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH PROWAG, WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF PROWAG FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE CROSS-SLOPE FOR PATHS, SIDEWALKS, AND RAMPS WITHIN THE LIMITS OF AN ACCESSIBLE ROUTE WILL NOT EXCEED 1:50 OR 2%.

RAMP LONGITUDINAL SLOPES WILL NOT EXCEED 1:12 OR 8.33%.

SIDEWALK AND RAMP LOCATIONS HAVE BEEN DEPICTED WITHOUT KNOWLEDGE OF ULTIMATE UTILITY STRUCTURE LOCATIONS. LOCATIONS WILL BE ADJUSTED TO AVOID ABOVE GRADE UTILITY STRUCTURES SUCH AS UTILITY POLES, RISERS, GUY ANCHORS, AND OTHER ABOVE GRADE APPURTENANCES. NO SUCH STRUCTURES WILL BE ALLOWED WITHIN THE "PEDESTRIAN ACCESS ROUTE" AS DEFINED BY PROWAG.

PAY QUANTITIES - ROADWAY

ROADWAY 100				
ITEM NO.	DESCRIPTION		UNIT	QUANTITY
202(H) 2900	EARTHWORK	(1,2)	LSUM	1.0
230(A) 7200	SOLID SLAB SODDING	(R-6, R-7)	SY	16.0
303(A) 1200	AGGREGATE BASE TYPE A	(5)(R-16)	CY	29.0
407(B) 7300	TACK COAT	(R-25)	GAL	27.0
411(B) 1330	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-26)	TON	43.0
411(D) 1530	SUPERPAVE, TYPE S5 (PG 64-22 OK)	(R-26)	TON	23.0
609(B) 4375	2'-8" COMB. CRB. & GUT. (8" BARRIER)	(3)	LF	134.0
610(A) 5200	4" CONCRETE SIDEWALK		SY	102.0
610(I) 6000	TACTILE WARNING DEVICE-NEW		SF	62.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-40)	LSUM	1.0
619(B) 6376	REMOVAL OF CONCRETE PAVING W/ASPHALT OVERLAY	(R-40, R-41)	SY	153.0
619(B) 6400	REMOVAL OF CURB	(R-40, R-41)	LF	146.0
619(B) 6404	REMOVAL OF SIDEWALK	(R-40, R-41)	SY	89.0
619(C) 6600	SAWING PAVEMENT		LF	288.0
805(B) 3300	(PL) RESET OF PULL BOX		EA	1.0

PAY QUANTITIES (STAKING)

STAKING 600				
ITEM	DESCRIPTION		UNIT	QUANTITY
642(B) 3300	CONSTRUCTION STAKING LEVEL II	(4)	LSUM	1

PAY QUANTITIES (CONSTRUCTION)

CONSTRUCTION 640				
ITEM	DESCRIPTION		UNIT	QUANTITY
220	SWPPP DOCUMENTATION AND MANAGEMENT		LSUM	1
641	MOBILIZATION		LSUM	1

SUMMARY OF SURFACING

STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	TACK COAT 407(B)	SUPERPAVE. TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE. TYPE S5 (PG 64-22 OK) 411(D)	2'-8" COMB. CRB. & GUT. (8" BARRIER) 609(B)	4" CONCRETE SIDEWALK 610(A)	TACTILE WARNING DEVICE - NEW 610(I)
	CY	GAL	TON	TON	LF	SY	SF
NW 23RD STREET & ROCKWELL AVENUE	28.46	26.12	42.26	22.75	133.58	101.46	61.45
TOTALS	28.46	26.12	42.26	22.75	133.58	101.46	61.45

SUMMARY OF EROSION CONTROL

STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
NW 23RD STREET & ROCKWELL AVENUE	BACK OF CURB TO SIDEWALK	15.14
TOTALS		15.14

SUMMARY OF REMOVAL QUANTITIES

STATION EXTENTS	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY 619(B)	REMOVAL OF CURB 619(B)	REMOVAL OF SIDEWALK 619(B)	SAWING PAVEMENT 619(C)
	SY	LF	SY	LF
NW 23RD STREET & ROCKWELL AVENUE	152.24	146	88.89	288
TOTALS	152.24	146	88.89	288

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

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SUMMARY OF PAY QUANTITIES, NOTES AND SUMMARIES

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS: THE SW, NW, AND NE QUADRANTS OF NW 23RD AND ROCKWELL AVE

PROJECT DESCRIPTION: UPGRADE OF EXISTING SIGNALS TO A CAMERA DETECTION SYSTEM, REMOVAL AND REPLACEMENT OF EXISTING PEDESTRIAN DETECTION AND SIGNALS. REDESIGN EXISTING ADA RAMPS FOR NEW PEDESTRIAN POLE INSTALLATION.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL INSTALL TEMPORARY SEDIMENT CONTROLS SPECIFIED, STRIP, STOCKPILE AND STABILIZE TOPSOIL. CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING, REPLACE TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES, AND ALSO THE DATES OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: URBAN LAND

TOTAL AREA OF THE CONSTRUCTION SITE: 0.13 ACRES

ESTIMATED AREA TO BE DISTURBED: 0.02 ACRES

OFFSITE AREA TO BE DISTURBED:
(FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.06 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 0.06 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.90

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 35.293609° N, 97.381203°W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: LAKE OVERHOLSER

SENSITIVE WATERS OR WATERSHEDS: YES NO

303(d) IMPAIRED WATERS: YES NO

IF YES, LIST IMPAIRMENT:

LOCATED IN A TMDL: YES NO

LAKE THUNDERBIRD TMDL: YES NO

MS4 ENTITY: YES NO

IF YES, LOCATION: CITY OF BETHANY

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION
- HYDROMULCH / HYDROSEED

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- STABILIZED CONSTRUCTION EXIT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY FIBER LOG
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- ROCK FILTER DAMS
- TEMPORARY SLOPE DRAIN
- PAVED DITCH W/ DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- INLET PROTECTION
- TEMPORARY BRUSH SEDIMENT BARRIERS
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS
- FLEXAMAT / ARTICULATED CONCRETE BLOCK
- COMPOST FILTER SOCKS
- EROSION CONTROL MATS AND BLANKETS

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 BONDING REQUIREMENTS
- 104.10 FINAL CLEANING UP
- 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
- 104.13 ENVIRONMENTAL PROTECTION
- 106.08 STORAGE AND HANDLING OF MATERIAL
- 107.01 LAWS, RULES, AND REGULATIONS TO BE OBSERVED
- 107.20 STORM WATER MANAGEMENT
- 220 MANAGEMENT OF EROSION, SEDIMENTATION, AND STORM WATER POLLUTION PREVENTION
- 221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, OCTOBER 18, 2022.

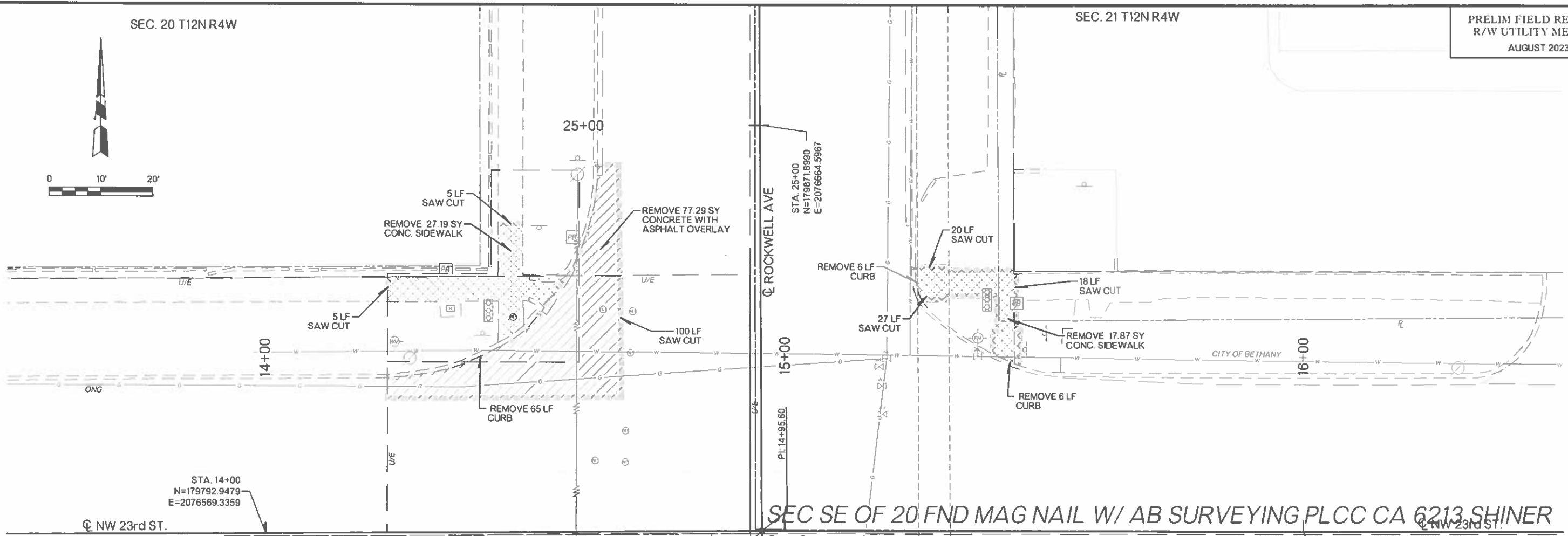
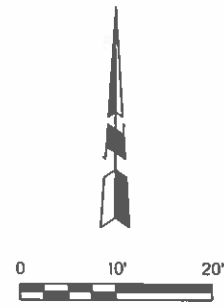
ADDITIONAL PERMITS REQUIRED FROM OKLAHOMA WATER RESOURCES BOARD AND/OR MUNICIPALITY FOR USE OF SURFACE, GROUND OR CITY WATER SOURCES FOR ACTIVITIES SUCH AS WATERING.

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STORM WATER MANAGEMENT PLAN

SEC. 20 T12N R4W

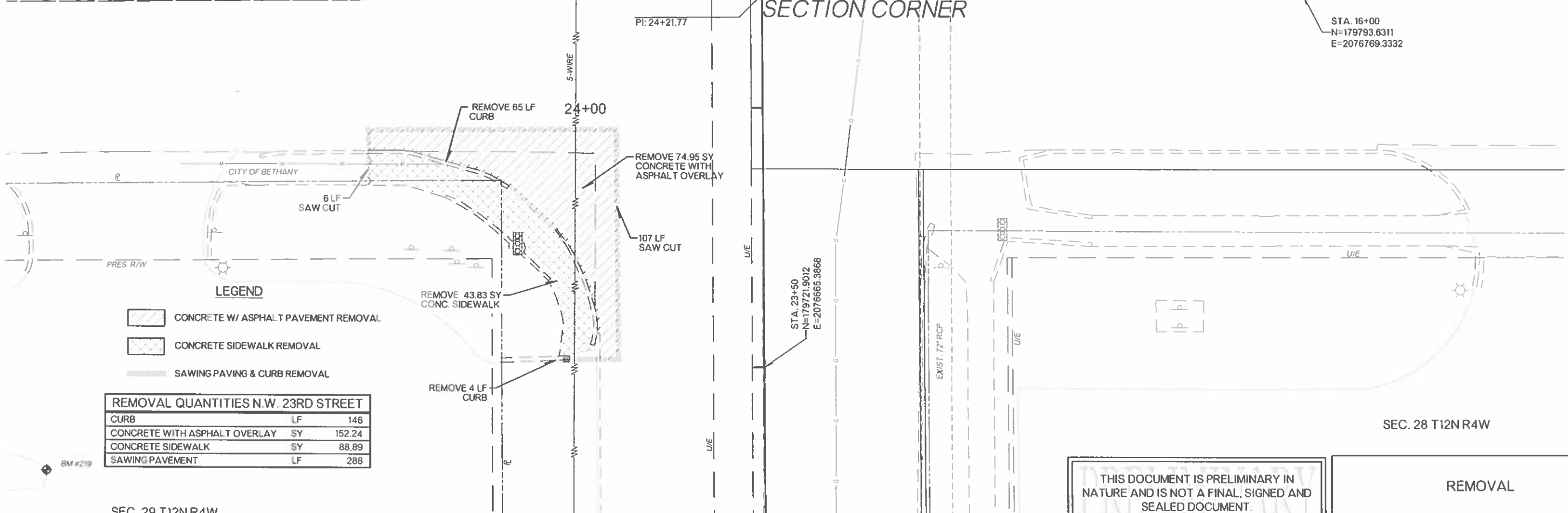
SEC. 21 T12N R4W



STA. 14+00
N=179792.9479
E=2076569.3359
NW 23rd ST.

SEC SE OF 20 FND MAG NAIL W/ AB SURVEYING PLCC CA 6213 SHINER
SECTION CORNER

STA. 16+00
N=179793.6311
E=2076769.3332



LEGEND

- CONCRETE W/ ASPHALT PAVEMENT REMOVAL
- CONCRETE SIDEWALK REMOVAL
- SAWING PAVING & CURB REMOVAL

REMOVAL QUANTITIES N.W. 23RD STREET		
CURB	LF	146
CONCRETE WITH ASPHALT OVERLAY	SY	152.24
CONCRETE SIDEWALK	SY	88.89
SAWING PAVEMENT	LF	288

SEC. 29 T12N R4W

STA. 23+50
N=179721.9012
E=2076665.3868

SEC. 28 T12N R4W

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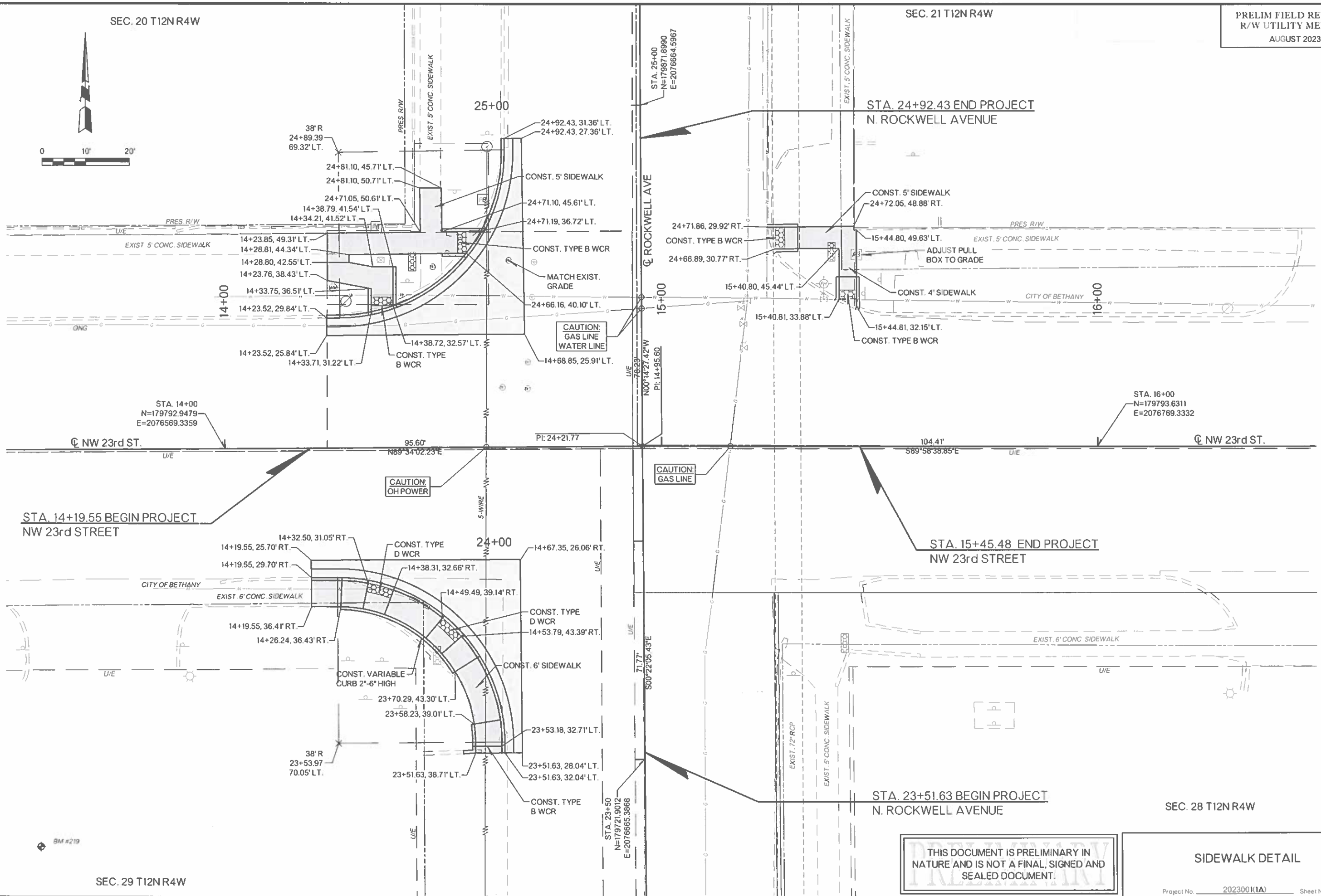
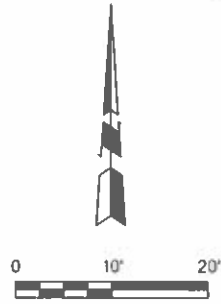
REMOVAL

OKLAHOMA COUNTY NW 23RD & ROCKWELL AVE.

SEC. 20 T12N R4W

SEC. 21 T12N R4W

PRELIM FIELD REVIEW &
R/W UTILITY MEETING
AUGUST 2023



STA. 14+00
N=179792.9479
E=2076569.3359

STA. 25+00
N=179871.8990
E=2076664.5967

STA. 16+00
N=179793.6311
E=2076769.3332

STA. 14+19.55 BEGIN PROJECT
NW 23rd STREET

STA. 15+45.48 END PROJECT
NW 23rd STREET

STA. 23+51.63 BEGIN PROJECT
N. ROCKWELL AVENUE

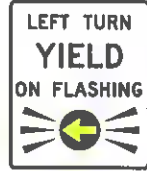
SEC. 28 T12N R4W

SEC. 29 T12N R4W

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SIDEWALK DETAIL

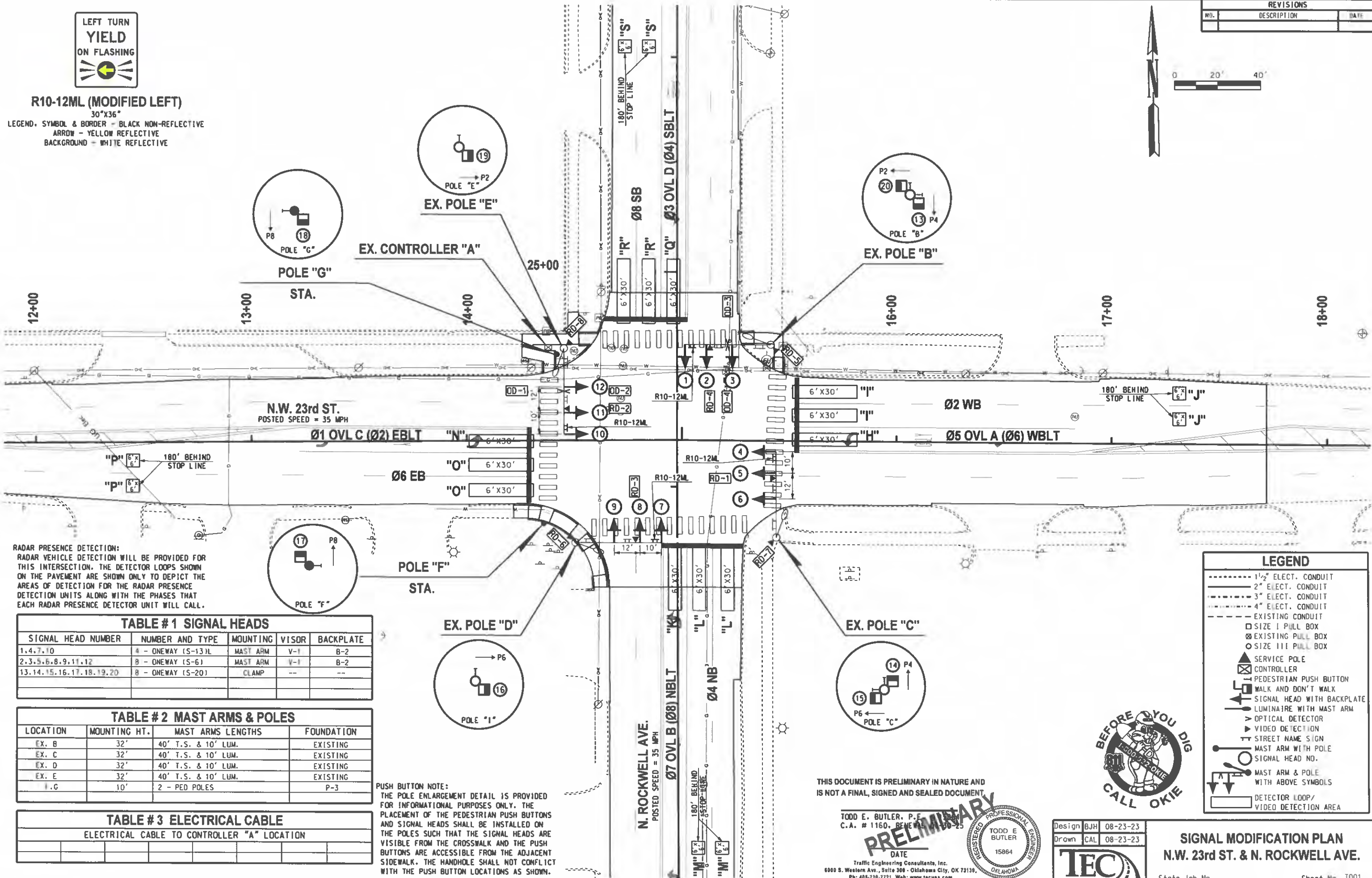
OKLAHOMA COUNTY
NW 23RD & ROCKWELL AVE.



R10-12ML (MODIFIED LEFT)
30"x36"

LEGEND: SYMBOL & BORDER - BLACK NON-REFLECTIVE
ARROW - YELLOW REFLECTIVE
BACKGROUND - WHITE REFLECTIVE

REVISIONS		
NO.	DESCRIPTION	DATE



RADAR PRESENCE DETECTION:
RADAR VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE RADAR PRESENCE DETECTION UNITS ALONG WITH THE PHASES THAT EACH RADAR PRESENCE DETECTOR UNIT WILL CALL.

TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1,4,7,10	4 - ONEWAY (S-13) L	MAST ARM	V-1	B-2
2,3,5,6,8,9,11,12	8 - ONEWAY (S-6)	MAST ARM	V-1	B-2
13,14,15,16,17,18,19,20	8 - ONEWAY (S-20)	CLAMP	--	--

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
EX. B	32'	40' T.S. & 10' LUM.	EXISTING
EX. C	32'	40' T.S. & 10' LUM.	EXISTING
EX. D	32'	40' T.S. & 10' LUM.	EXISTING
EX. E	32'	40' T.S. & 10' LUM.	EXISTING
F, G	10'	2 - PED POLES	P-3

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION			

PUSH BUTTON NOTE:
THE POLE ENLARGEMENT DETAIL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTONS AND SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALK AND THE PUSH BUTTONS ARE ACCESSIBLE FROM THE ADJACENT SIDEWALK. THE HANDHOLE SHALL NOT CONFLICT WITH THE PUSH BUTTON LOCATIONS AS SHOWN.

LEGEND

- 1 1/2" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- 4" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE I PULL BOX
- EXISTING PULL BOX
- SIZE III PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE
- SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/VIDEO DETECTION AREA



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TODD E. BUTLER, P.E.
C.A. # 1160, BENEVOLENT SOCIETY



Design: BJH 08-23-23
Drawn: CAL 08-23-23



SIGNAL MODIFICATION PLAN
N.W. 23rd ST. & N. ROCKWELL AVE.

State Job No. _____ Sheet No. T001

08/23/23 C:\0\Projects\1-3050 - S.D.G.O. Bond Prop. I-A and I-B Task Order No. 1, NW 23rd St and Rockwell Ave - Bethany, OK\CAD\TODD-SIGNAL PLAN.dwg

Agenda: 10/17/2023

Item: 10

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: October 17, 2023
Subject: Request Permission to Advertise for Bids for N.W. 36th and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-B

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 1, that included Project 1-B, N.W. 36th and N. Rockwell Avenue traffic signalization and pedestrian improvement project.

On April 24, 2023, the City of Bethany entered into a contract for engineering and design services with TEIM Design, LLC.

TEIM Design now requests permission to advertise for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for N.W. 36th and N. Rockwell Avenue traffic signalization and pedestrian improvement project, G.O. Bond Proposition 1-B.

ADDITIONAL COMMENTS

A circular stamp containing the handwritten initials "dg" in blue ink.

SURVEY CONTROL DATA

1. HORIZONTAL CONTROL:

HORIZONTAL CONTROL FOR THIS SURVEY IS CITY OF OKLAHOMA CITY - OKLAHOMA STATE PLANE COORDINATE SYSTEM, NAD83 (CORS96), LAMBERT PROJECTION (NORTH ZONE) TYING SPECIFICALLY TO CITY OF OKLAHOMA CITY SURVEY MONUMENT STATION #347

2. BEARINGS:

2.1. THE BEARINGS SHOWN HEREIN OR HEREON ARE GRID BEARINGS DERIVED FROM THE NGS OKLAHOMA STATE PLANE COORDINATE SYSTEM AND ARE NOT ASTRONOMICAL.

3. VERTICAL CONTROL:

3.1. THE VERTICAL CONTROL FOR THIS SURVEY IS ALSO TIED TO OKC SURVEY MONUMENT STATION #347

3.2. ONE (1) CONTROL POINT AND FOUR (4) BENCHMARKS WERE SET AS A PART OF THIS SURVEY.

3.2.1. DIFFERENTIAL LEVEL RUN WAS PERFORMED THROUGH ESTABLISHED SURVEY CONTROL.

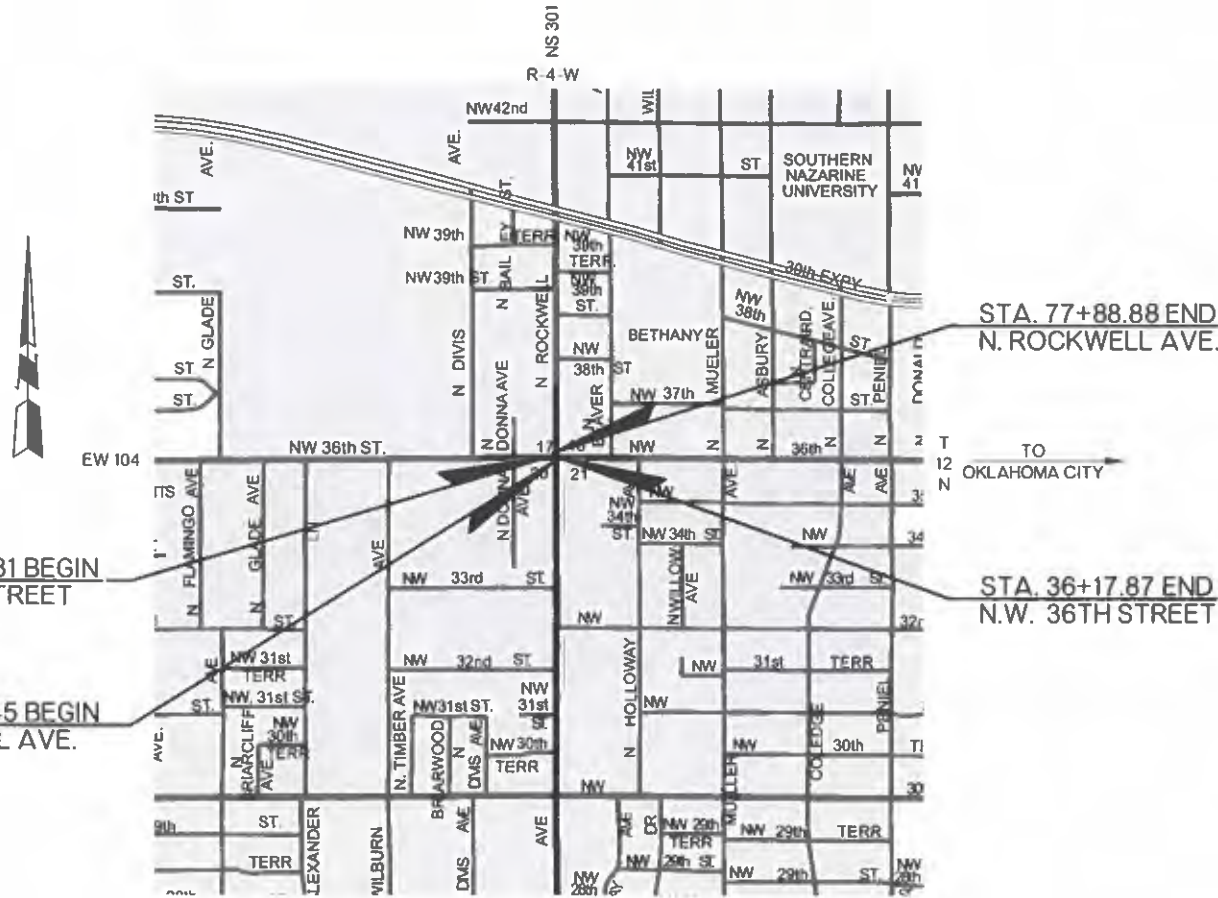
UTILITY NOTES

- PRIOR TO THE FIELD SURVEY CALL OKIE WAS CONTACTED TO MARK UTILITIES. ALL MARKED UTILITY AND VISIBLE UTILITIES WERE LOCATED DURING SURVEY. HOWEVER, ELEVATION AND SURVEYING ASSUMES NO LIABILITY FOR UTILITIES THAT WERE NOT MARKED OR INCORRECTLY MARKED. THE CONTRACTOR FOR CONSTRUCTION IS RESPONSIBLE FOR GETTING THE UTILITIES RE-MARKED BEFORE PERFORMING DIGGING OPERATIONS.
- THERE IS NO WARRANTY MADE THAT THIS SURVEY REPRESENTS A COMPLETE INVENTORY OF UNDERGROUND UTILITIES, EITHER IN SERVICE OR ABANDONED ON OR NEAR THE PREMISES. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE AT THE TIME OF THE SURVEY. THERE HAS BEEN NO UNDERGROUND INVESTIGATION PERFORMED ON THE PREMISES IN CONJUNCTION WITH THIS SURVEY.

CONTROL POINT TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
CP 7	CP / SET 1/2"IP W/CP CAP	185012.2490	2076947.7500	1318.890
CP 347	CP / CITY OF OKC MON 347	185148.4620	2075479.6340	1325.752

BENCHMARK TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
BM 208	BM / SET CUT X IN TOC	185136.4	2075985.4	1325.720
BM 216	BM / SET CUT X IN TOC	185140.0	2076333.2	1317.670
BM 217	BM / SET CUT X IN TOC	185227.5	2076604.1	1318.410
BM 218	BM / SET CUT X IN TOC	184955.9	2076710.5	1318.300

CITY OF BETHANY
PUBLIC WORKS DEPARTMENT
 PLAN OF PROPOSED
SIDEWALK & TRAFFIC SIGNAL PLANS
N. ROCKWELL AVE. & NW 36TH ST.
G.O. BOND
 PROJECT NO. 2023001(1B)



THE FOLLOWING ODOT STANDARD DRAWINGS SHALL BE REQUIRED FOR THIS PROJECT:

2019 ROADWAY	2009 TRAFFIC SIGNING & STRIPING	CONTROL
TESCA-0		
IPD-0		
SSS-2-1		
ASCD-6-1		
LECS-5-2		
WCR-4-2		
TWD-2-2		
PDT-2-2		

INDEX OF SHEETS

0001	TITLE
0002	TYPICAL SECTION
AR01	SUMMARY OF PAY QUANTITIES, NOTES, & SUMMARIES
R001	STORM WATER MANAGEMENT PLAN
R002	REMOVAL & EROSION CONTROL
R003	SIDEWALK DETAILS
T001	SIGNAL MODIFICATION PLAN



CITY OF BETHANY, OKLAHOMA

NIKKI LLOYD	MAYOR
COUNCIL MEMBERS:	
PETER PLANK	WARD 1
CHRIS POWELL	WARD 1
KEN SMART	WARD 2
STEVE PALMER	WARD 2
MARLYN MCPHAIL	WARD 3
KATHY LARSEN	WARD 3
BRIAN MAGIROWSKY	WARD 4
JEFF KNAPP	WARD 4
ELIZABETH GRAY	CITY MANAGER

RECOMMENDED FOR APPROVAL

ROBERT DON WILLIAMS, P.E. _____ DATE
 CITY ENGINEER

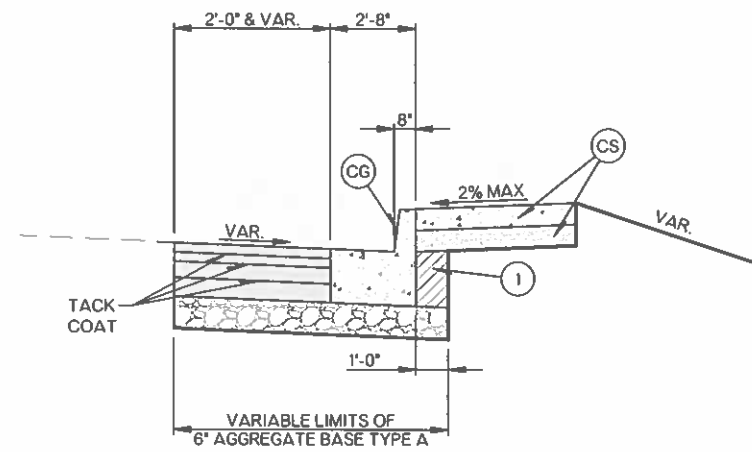


TEIM DESIGN, PLLC
 3020 N.W. 149TH STREET
 OKLAHOMA CITY, OK 73134
 PH (405) 752-1122
 CA# 8428, RENEWAL 06-30-2025

KRISTI NICOLE BRADLEY _____ DATE
 LICENSED PROFESSIONAL ENGINEER NO. 30409

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PAVEMENT RECONSTRUCTION DETAIL
SEE SIDEWALK DETAIL SHEET FOR LOCATIONS

PAVEMENT REQUIREMENTS	
PAVEMENT STRUCTURE	PAVING
SURFACE COURSE	1.75" SUPERPAVE TYPE S5 (PG 64-22 OK)
BASE COURSE	1.75" SUPERPAVE TYPE S5 (PG 64-22 OK)
	3" SUPERPAVE TYPE S3 (PG 64-22 OK)
	3.5" SUPERPAVE TYPE S3 (PG 64-22 OK)

- ① BACKFILL NOTE:
TO BE BACKFILLED AS PART OF THE FINISHING OPERATIONS. COST TO BE INCLUDED IN OTHER ITEMS OF WORK.
- CS 4" CONCRETE SIDEWALK WITH 4" SAND CUSHION.
- CG 2'-8" COMBINED CURB & GUTTER (8" BARRIER CURB)

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TYPICAL SECTION

PAY QUANTITY NOTES

- (R-6) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF 10-20-10 FERTILIZER, ESTIMATED AT 200 POUNDS PER ACRE.
- (R-7) FOR SOLID SLAB SODDING PRICE BID TO INCLUDE COST OF WATERING, ESTIMATED AT 40 GALLONS PER S.Y..
- (R-16) PAYMENT FOR THIS ITEM WILL BE THE THEORETICAL CROSS SECTION MULTIPLIED BY THE INSTALLED LENGTH.
- (R-25) ESTIMATED AT 0.075 GALLONS PER SQUARE YARD OF ORIGINAL EMULSION OF TACK COAT (BEFORE DILUTION FOR APPLICATION) IN ACCORDANCE WITH SECTION 407 OF THE STANDARD SPECIFICATIONS.
- (R-26) ESTIMATED AT 112 LBS. PER SQ. YD. PER 1" THICK.
- (R-41) MATERIALS REMOVED SHALL NOT BE MEASURED FOR PAYMENT UNDER SECTION 202.06 UNCLASSIFIED EXCAVATION.

- (1) QUANTITY TO BE USED AT THE DISCRETION OF THE ENGINEER.
- (2) CURB HEIGHT MAY VARY. ADJUST HEIGHT TO MATCH EXISTING FIELD CONDITION.

GENERAL CONSTRUCTION NOTES

IN ACCORDANCE WITH THE OKLAHOMA UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, THE CONTRACTOR SHALL NOTIFY THE OKLAHOMA ONE-CALL SYSTEM, INC. 48 HOURS PRIOR TO BEGINNING EXCAVATION. OKLAHOMA ONE-CALL SYSTEM, INC. "CALL OKIE" 1-800-522-6543 OR 811.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING THE EXISTING ROAD TO LOCAL AND THROUGH TRAFFIC. SEE STANDARD SPECIFICATIONS FOR MAINTENANCE OF LOCAL AND THROUGH TRAFFIC.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DISCOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, PATHS, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS WILL COMPLY WITH PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), PUBLISHED JULY 26, 2011. WHERE SPECIAL LIMITATIONS OF EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH PROWAG, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR WILL NOT PROCEED WITH ANY OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH PROWAG, WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF PROWAG FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

THE CROSS-SLOPE FOR PATHS, SIDEWALKS, AND RAMPS WITHIN THE LIMITS OF AN ACCESSIBLE ROUTE WILL NOT EXCEED 1:50 OR 2%.

RAMP LONGITUDINAL SLOPES WILL NOT EXCEED 1:12 OR 8.33%.

SIDEWALK AND RAMP LOCATIONS HAVE BEEN DEPICTED WITHOUT KNOWLEDGE OF ULTIMATE UTILITY STRUCTURE LOCATIONS. LOCATIONS WILL BE ADJUSTED TO AVOID ABOVE GRADE UTILITY STRUCTURES SUCH AS UTILITY POLES, RISERS, GUY ANCHORS, AND OTHER ABOVE GRADE APPURTENANCES. NO SUCH STRUCTURES WILL BE ALLOWED WITHIN THE "PEDESTRIAN ACCESS ROUTE" AS DEFINED BY PROWAG.

PAY QUANTITIES - ROADWAY

ROADWAY 100			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
202(H) 2900	EARTHWORK	LSUM	1.0
221(H) 2900	(PL) TEMPORARY INLET SEDIMENT FILTER	(R-8) EA	7.0
230(A) 7200	SOLID SLAB SODDING	(R-6,R-7) SY	30.0
303(A) 1200	AGGREGATE BASE TYPE A	(1)(R-16) CY	57.0
407(B) 7300	TACK COAT	(R-25) GAL	57.0
411(B) 1330	SUPERPAVE, TYPE S3 (PG 64-22 OK)	(R-26) TON	92.0
411(D) 1530	SUPERPAVE, TYPE S5 (PG 64-22 OK)	(R-26) TON	50.0
609(B) 4375	2'-8" COMB. CRB. & GUT (8" BARRIER)	(2) LF	254.0
610(A) 5200	4" CONCRETE SIDEWALK	SY	142.0
610(I) 6000	TACTILE WARNING DEVICE-NEW	SF	88.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS	(R-40) LSUM	1.0
619(B) 6376	REMOVAL OF CONCRETE PAVING W/ ASPHALT OVERLAY	(R-40, R-41) SY	275.0
619(B) 6400	REMOVAL OF CURB	(R-40, R-41) LF	252.0
619(B) 6404	REMOVAL OF SIDEWALK	(R-40, R-41) SY	123.0
619(C) 6600	SAWING PAVEMENT	LF	427.0
805(B) 3300	(PL) RESET OF PULL BOX	EA	4.0

PAY QUANTITIES (STAKING)

STAKING 600			
ITEM	DESCRIPTION	UNIT	QUANTITY
642(B) 3300	CONSTRUCTION STAKING LEVEL II	(4) LSUM	1

PAY QUANTITIES (CONSTRUCTION)

CONSTRUCTION 640			
ITEM	DESCRIPTION	UNIT	QUANTITY
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1
641 2110	MOBILIZATION	LSUM	1

SUMMARY OF SURFACING

STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	TACK COAT 407(B)	SUPERPAVE, TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE, TYPE S5 (PG 64-22 OK) 411(D)	2'-8" COMB. CRB. & GUT. (8" BARRIER) 609(B)	4" CONCRETE SIDEWALK 610(A)	TACTILE WARNING DEVICE - NEW 610(I)
	CY	GAL	TON	TON	LF	SY	SF
NW 36TH STREET & ROCKWELL AVENUE	56.81	56.86	92.00	49.52	253.40	141.43	87.18
TOTALS	56.81	56.86	92.00	49.52	253.40	141.43	87.18

SUMMARY OF TEMPORARY SEDIMENT CONTROL

STATION EXTENTS	LOCATION AND DESCRIPTION	(PL) TEMPORARY INLET SEDIMENT FILTER 221(H)
		EA
NW 36TH STREET & ROCKWELL AVENUE	AROUND INLETS	7
TOTALS		7

SUMMARY OF EROSION CONTROL

STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
NW 36TH STREET & ROCKWELL AVENUE	BACK OF CURB TO SIDEWALK	29.73
TOTALS		29.73

SUMMARY OF REMOVAL QUANTITIES

STATION EXTENTS	REMOVAL OF CONCRETE PAVEMENT W/ ASPHALT OVERLAY 619(B)	REMOVAL OF CURB 619(B)	REMOVAL OF SIDEWALK 619(B)	SAWING PAVEMENT 619(C)
	SY	LF	SY	LF
NW 36TH STREET & ROCKWELL AVENUE	274.22	252	122.46	427
TOTALS	274.22	252	122.46	427

NOTE: ITEMS TO BE REMOVED MAY OR MAY NOT BE PRESENT IN ANY SPECIFIED LOCATION.

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SUMMARY OF PAY QUANTITIES, NOTES AND SUMMARIES

STORM WATER MANAGEMENT PLAN

PRELIM FIELD REVIEW &
R/W UTILITY MEETING
AUGUST 2023

SITE DESCRIPTION

PROJECT LIMITS: THE NW, NE, SW, AND SE QUADRANTS OF NW 36TH AND ROCKWELL AVE.

PROJECT DESCRIPTION: UPGRADE OF EXISTING SIGNALS TO A CAMERA DETECTION SYSTEM, REMOVAL AND REPLACEMENT OF EXISTING PEDESTRIAN DETECTION AND SIGNALS. REDESIGN EXISTING ADA RAMPS FOR NEW PEDESTRIAN POLE INSTALLATION.

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES: PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL INSTALL TEMPORARY SEDIMENT CONTROLS SPECIFIED, STRIP, STOCKPILE AND STABILIZE TOPSOIL, CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING, REPLACE TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES AND ALSO THE DATES OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: KONAWA, URBAN LAND

TOTAL AREA OF THE CONSTRUCTION SITE: 0.08 ACRES

ESTIMATED AREA TO BE DISTURBED: 0.03 ACRES

OFFSITE AREA TO BE DISTURBED:
(FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 0.04 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 0.05 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.90

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 35.302843 N, 97.381184°W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: LAKE OVERHOLSER

SENSITIVE WATERS OR WATERSHEDS: YES NO

303(d) IMPAIRED WATERS: YES NO

IF YES, LIST IMPAIRMENT:

LOCATED IN A TMDL: YES NO

LAKE THUNDERBIRD TMDL: YES NO

MS4 ENTITY: YES NO

IF YES, LOCATION: CITY OF BETHANY

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- TEMPORARY SEEDING
- PERMANENT SODDING, SPRIGGING OR SEEDING
- VEGETATIVE MULCHING
- SOIL RETENTION BLANKET
- PRESERVATION OF EXISTING VEGETATION
- HYDROMULCH / HYDROSEED

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- STABILIZED CONSTRUCTION EXIT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKES
- TEMPORARY FIBER LOG
- DIVERSION, INTERCEPTOR OR PERIMETER DIKES
- DIVERSION, INTERCEPTOR OR PERIMETER SWALES
- ROCK FILTER DAMS
- TEMPORARY SLOPE DRAIN
- PAVED DITCH W/ DITCH LINER PROTECTION
- TEMPORARY DIVERSION CHANNELS
- TEMPORARY SEDIMENT BASINS
- TEMPORARY SEDIMENT TRAPS
- TEMPORARY SEDIMENT FILTERS
- TEMPORARY SEDIMENT REMOVAL
- RIP RAP
- INLET PROTECTION
- TEMPORARY BRUSH SEDIMENT BARRIERS
- SANDBAG BERMS
- TEMPORARY STREAM CROSSINGS
- FLEXAMAT / ARTICULATED CONCRETE BLOCK
- COMPOST FILTER SOCKS
- EROSION CONTROL MATS AND BLANKETS

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
- EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 BONDING REQUIREMENTS
- 104.10 FINAL CLEANING UP
- 104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
- 104.13 ENVIRONMENTAL PROTECTION
- 106.08 STORAGE AND HANDLING OF MATERIAL
- 107.01 LAWS, RULES, AND REGULATIONS TO BE OBSERVED
- 107.20 STORM WATER MANAGEMENT
- 220 MANAGEMENT OF EROSION, SEDIMENTATION, AND STORM WATER POLLUTION PREVENTION
- 221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, OCTOBER 18, 2022.

ADDITIONAL PERMITS REQUIRED FROM OKLAHOMA WATER RESOURCES BOARD AND/OR MUNICIPALITY FOR USE OF SURFACE, GROUND OR CITY WATER SOURCES FOR ACTIVITIES SUCH AS WATERING.

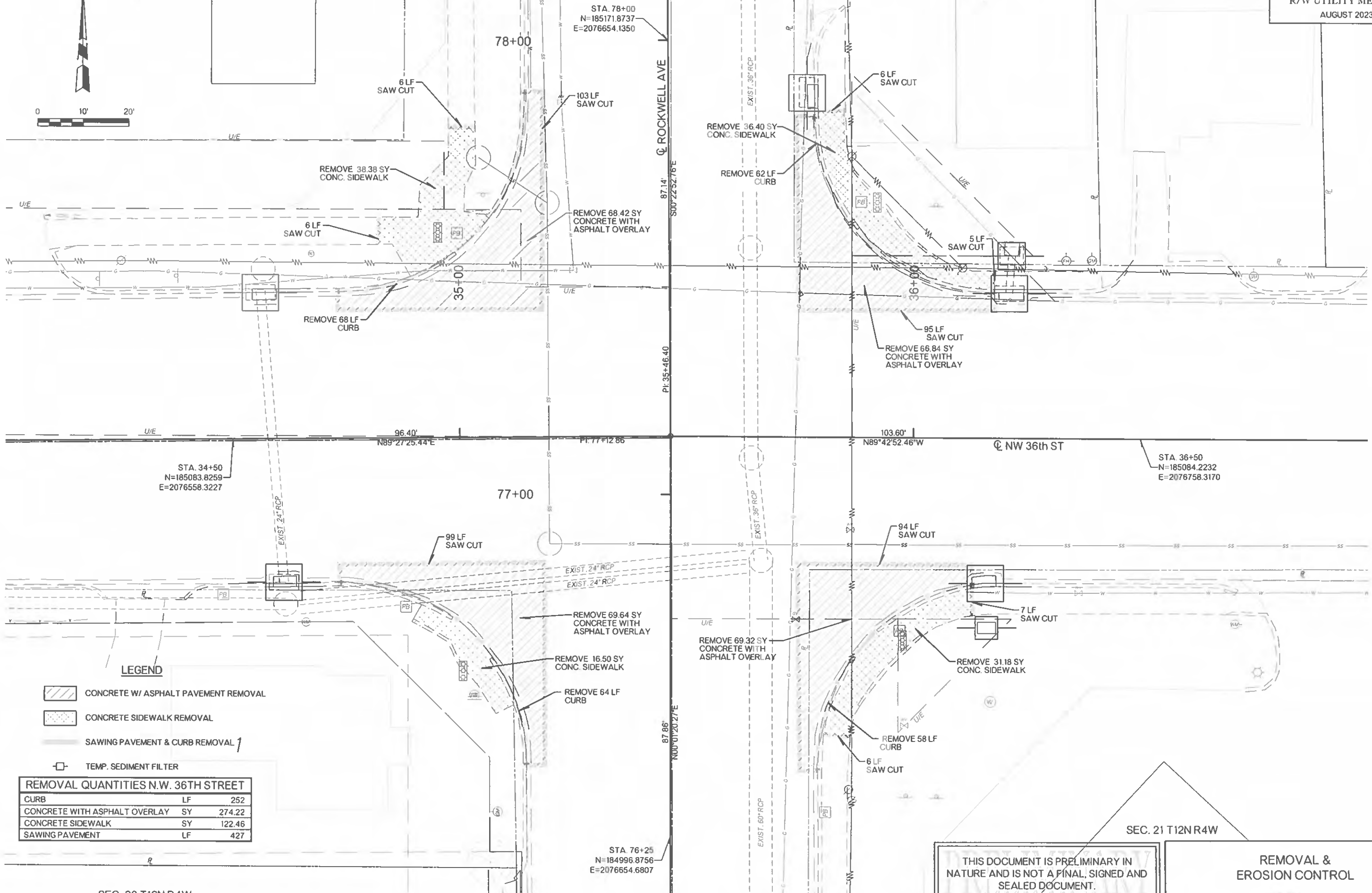
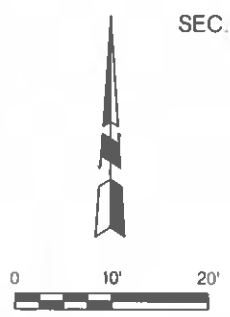
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STORM WATER MANAGEMENT PLAN

Project No. 2023001(1B) Sheet No. R001

SEC. 17 T12N R4W

SEC. 16 T12N R4W



LEGEND

- CONCRETE W/ ASPHALT PAVEMENT REMOVAL
- CONCRETE SIDEWALK REMOVAL
- SAWING PAVEMENT & CURB REMOVAL
- TEMP. SEDIMENT FILTER

REMOVAL QUANTITIES N.W. 36TH STREET			
CURB	LF	252	
CONCRETE WITH ASPHALT OVERLAY	SY	274.22	
CONCRETE SIDEWALK	SY	122.46	
SAWING PAVEMENT	LF	427	

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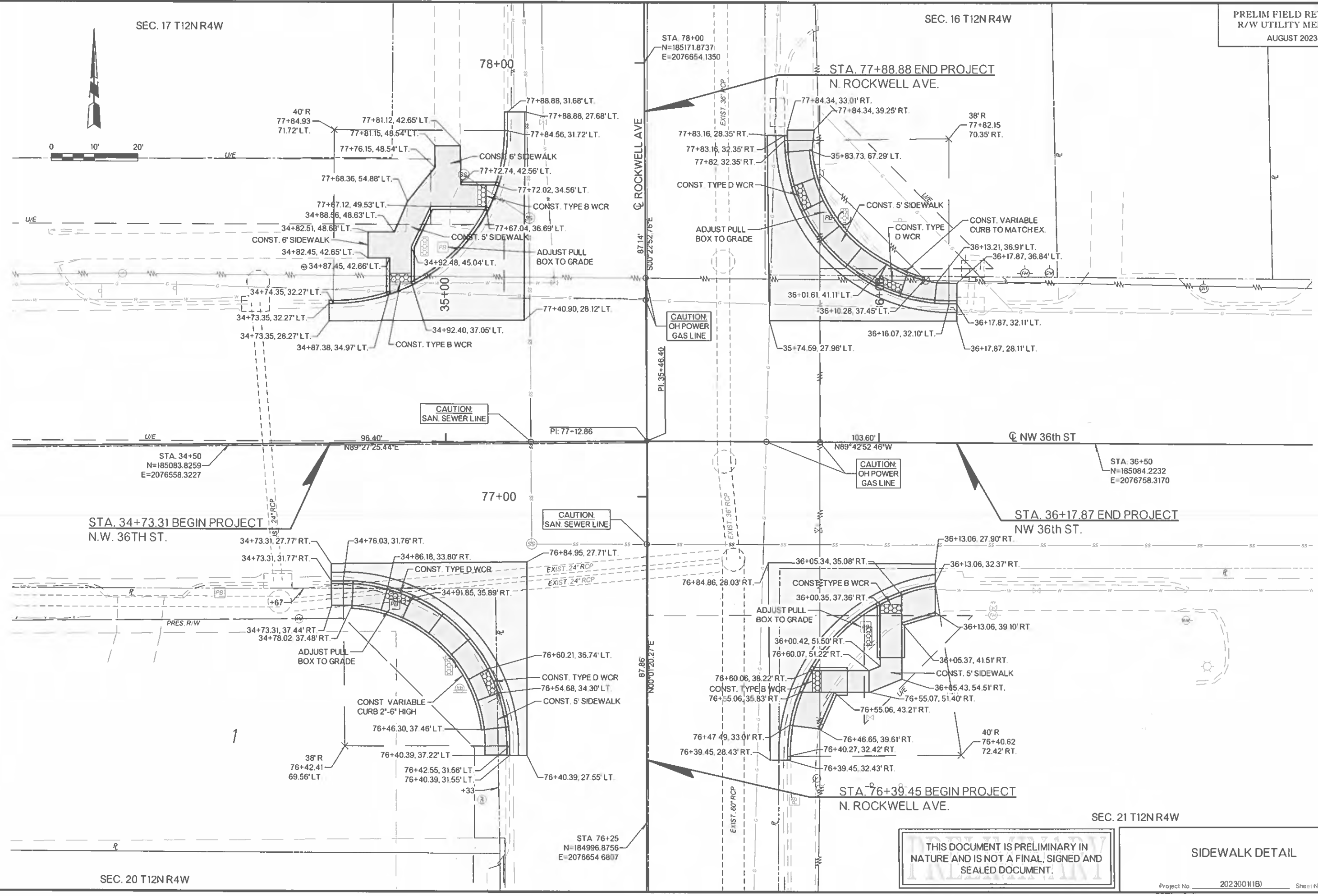
REMOVAL & EROSION CONTROL

SEC. 20 T12N R4W

OKLAHOMA COUNTY
NW 36TH & ROCKWELL AVE

SEC. 17 T12N R4W

SEC. 16 T12N R4W



STA. 34+73.31 BEGIN PROJECT
N.W. 36TH ST.

STA. 77+88.88 END PROJECT
N. ROCKWELL AVE.

STA. 36+17.87 END PROJECT
NW 36th ST.

STA. 76+39.45 BEGIN PROJECT
N. ROCKWELL AVE.

SEC. 20 T12N R4W

SEC. 21 T12N R4W

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SIDEWALK DETAIL

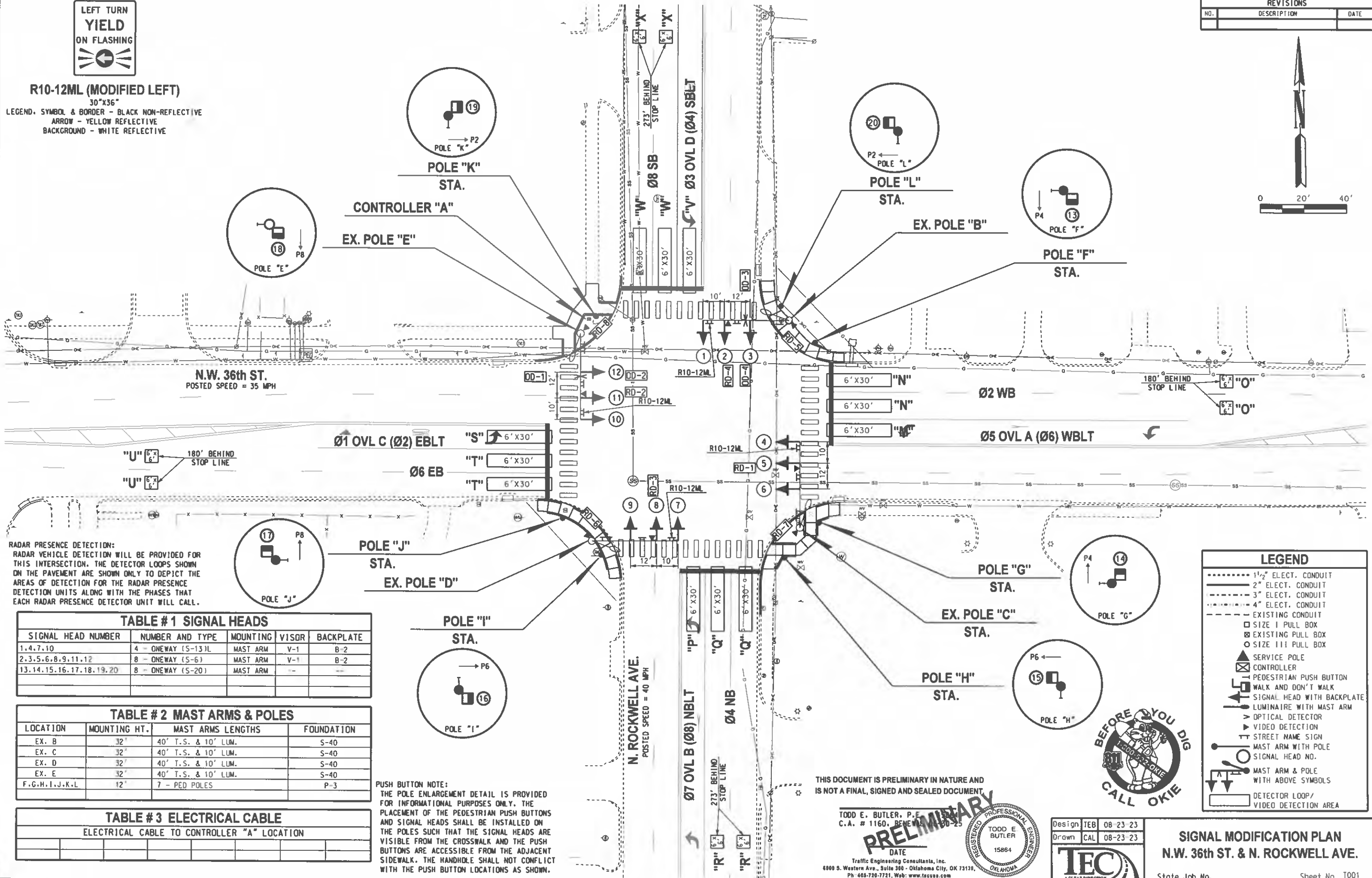
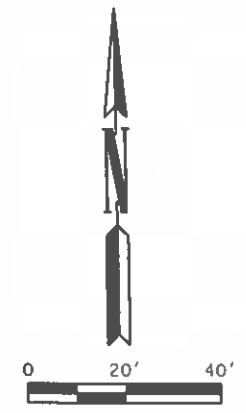
OKLAHOMA COUNTY
NW 36TH & ROCKWELL AVE



R10-12ML (MODIFIED LEFT)
30"x36"

LEGEND. SYMBOL & BORDER - BLACK NON-REFLECTIVE
ARROW - YELLOW REFLECTIVE
BACKGROUND - WHITE REFLECTIVE

REVISIONS		
NO.	DESCRIPTION	DATE



N.W. 36th ST.
POSTED SPEED = 35 MPH

N. ROCKWELL AVE.
POSTED SPEED = 40 MPH

RADAR PRESENCE DETECTION:
RADAR VEHICLE DETECTION WILL BE PROVIDED FOR THIS INTERSECTION. THE DETECTOR LOOPS SHOWN ON THE PAVEMENT ARE SHOWN ONLY TO DEPICT THE AREAS OF DETECTION FOR THE RADAR PRESENCE DETECTION UNITS ALONG WITH THE PHASES THAT EACH RADAR PRESENCE DETECTOR UNIT WILL CALL.

TABLE # 1 SIGNAL HEADS

SIGNAL HEAD NUMBER	NUMBER AND TYPE	MOUNTING	VISOR	BACKPLATE
1, 4, 7, 10	4 - ONEWAY (S-13)L	MAST ARM	V-1	B-2
2, 3, 5, 6, 8, 9, 11, 12	8 - ONEWAY (S-6)	MAST ARM	V-1	B-2
13, 14, 15, 16, 17, 18, 19, 20	8 - ONEWAY (S-20)	MAST ARM	-	-

TABLE # 2 MAST ARMS & POLES

LOCATION	MOUNTING HT.	MAST ARMS LENGTHS	FOUNDATION
EX. B	32'	40' T.S. & 10' LUM.	S-40
EX. C	32'	40' T.S. & 10' LUM.	S-40
EX. D	32'	40' T.S. & 10' LUM.	S-40
EX. E	32'	40' T.S. & 10' LUM.	S-40
F, G, H, I, J, K, L	12'	7 - PED POLES	P-3

TABLE # 3 ELECTRICAL CABLE

ELECTRICAL CABLE TO CONTROLLER "A" LOCATION	

PUSH BUTTON NOTE:
THE POLE ENLARGEMENT DETAIL IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE PLACEMENT OF THE PEDESTRIAN PUSH BUTTONS AND SIGNAL HEADS SHALL BE INSTALLED ON THE POLES SUCH THAT THE SIGNAL HEADS ARE VISIBLE FROM THE CROSSWALK AND THE PUSH BUTTONS ARE ACCESSIBLE FROM THE ADJACENT SIDEWALK. THE HANDHOLE SHALL NOT CONFLICT WITH THE PUSH BUTTON LOCATIONS AS SHOWN.

LEGEND

- 1 1/2" ELECT. CONDUIT
- 2" ELECT. CONDUIT
- 3" ELECT. CONDUIT
- 4" ELECT. CONDUIT
- EXISTING CONDUIT
- SIZE I PULL BOX
- EXISTING PULL BOX
- SIZE III PULL BOX
- SERVICE POLE
- CONTROLLER
- PEDESTRIAN PUSH BUTTON
- WALK AND DON'T WALK
- SIGNAL HEAD WITH BACKPLATE
- LUMINAIRE WITH MAST ARM
- OPTICAL DETECTOR
- VIDEO DETECTION
- STREET NAME SIGN
- MAST ARM WITH POLE
- SIGNAL HEAD NO.
- MAST ARM & POLE WITH ABOVE SYMBOLS
- DETECTOR LOOP/VIDEO DETECTION AREA



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TODD E. BUTLER, P.E.
C.A. # 1160, RENEWAL 1160-25

PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL ENGINEER
TODD E BUTLER
15864
OKLAHOMA

DATE: _____
Traffic Engineering Consultants, Inc.
6800 S. Western Ave., Suite 300 - Oklahoma City, OK 73138
Ph: 405-720-7721, Web: www.tecusa.com

Design	TEB	08-23-23
Drawn	CAL	08-23-23



SIGNAL MODIFICATION PLAN
N.W. 36th ST. & N. ROCKWELL AVE.

State Job No. _____ Sheet No. T001
OKLAHOMA COUNTY

08-23-23 G:\Projects\17-3051 - SD, STR, TC, G.O. Bond Prob. 1-A and 1-B Task Order No. 2, NW 36th St and Rockwell Ave - Bethany, OK\CAD\TODD-SIGNAL PLAN.dgn

CITY OF BETHANY

From: Elizabeth A. Gray, City Manager
Date: October 12, 2023
Subject: Architect recommendation to accept bids for Fire Station Addition-GO Bond Proposition 3A

BACKGROUND

As a result of the successful 2022, G.O. Bond election the City of Bethany is now ready to begin the project on the Fire Station Addition, Proposition 3A. This project is being built as a construction manager project with Troy Rhodes, Architect and Lippert Brothers Construction as construction manager.

A) The team has received bids that came in higher than anticipated and the architect recommends proceeding with bid packages 1 and 1A (attached). Bids include HVAC, electrical, insulation, sheetrock, and plumbing.

B) Bid packages 1B, 1C and 1D will be completed when funds become available. These packages include millwork, flooring, appliances, and sod.

The construction manager will identify any cost savings measures possible and use contingency towards the end of the project to help complete the project. The City will identify any savings that may be available at the end of Proposition 3 projects or identify funds in next year's budget to complete phases 1B, 1C and 1D.

RECOMMENDATION

1. Approval to accept Bid Packet 1 for \$977,061.66 and Bid Package 1A for \$42,442.52 from Lippert Brothers Construction for a total of \$1,019,504.18 for the G. O. Bond Proposition 3A-Bethany Fire Station Addition project.



ADDITIONAL COMMENTS

Funding for this project will come from the GO Bond Proceeds.

TDR
TRANSFORMS
TROY D. RHODES & COMPANY

October 10, 2023

Ms. Elizabeth Gray
City Manager, City of Bethany
6700 NW 36th Street
Bethany, OK 73008

(via email: elizabeth.gray@bethanyok.org)

Re: Recommendation to Accept Bid Packages 1 and 1A
Bethany Fire Station Addition
Bethany, Oklahoma

Dear Ms. Gray:

As the Architect of Record for the Bethany Fire Station Addition, it is my recommendation to accept Bid Package 1 for \$977,061.66 and Bid Package 1A for \$42,442.52 from Lippert Brothers Construction for a total of \$1,019,504.18. This amount is under the current available budget of \$1,020,000.00 within Proposition 3.

It is understood that Bid Packages 1B, 1C, and 1D will be constructed as additional funds become available.

Sincerely,

TROY D. RHODES & COMPANY, INC.



Troy D. Rhodes, NCARB, AIA
President

cc: Joe Davis
Steve Manek
Tom Lippert

BETHANY FIRE STATION ADDITION
 CITY OF BETHANY
 BETHANY, OKLAHOMA



CONSTRUCTION MANAGER: LIPPERT BROS., INC.

ARCHITECT: TROY D. RHODES & COMPANY, INC.

**BETHANY FIRE STATION ADDITION
 PHASE 1 - BUILDING SHELL**

LIPPERT BROS., INC. PRELIMINARY BID TOTAL - Bid Date: 9/14/2023

10/10/2023

BASE BID - BID PACKAGE TOTALS	Bid Results
GENERAL REQUIREMENTS	\$104,099.38
BID PACKAGE #02.0 - DEMOLITION	\$6,800.00
BID PACKAGE #03.0 - BUILDING CONCRETE	\$82,000.00
Delete Site Paving	(\$9,080.00)
BID PACKAGE #04.0 - MASONRY	\$62,000.00
BID PACKAGE #05.0 - STRUCTURAL & MISC. STEEL MATERIAL	\$7,700.00
BID PACKAGE #05.1 - STRUCTURAL & MISC. STEEL ERECTION	\$1,900.00
BID PACKAGE #06.0 - WOOD FRAMING, SHEATHING, DECKING MATERIAL	\$39,000.00
BID PACKAGE #06.1 - WOOD FRAMED ROOF TRUSS MATERIAL	\$35,900.00
BID PACKAGE #06.2 - WOOD DRAMING, SHEATHING, DECKING & ROOF TRUSS ERECTION	\$72,000.00
BID PACKAGE #07.0 - SEALANTS, WATER AND AIR BARRIERS	\$10,150.00
BID PACKAGE #07.1 -STANDING SEAM METAL ROOFING, SOFFITS AND SNOW GUARDS	\$92,800.00
BID PACKAGE #07.2 - FIBER-CEMENT BOARD SIDING	\$14,500.00
BID PACKAGE #08.0 - HOLLOW METAL FRAMES	\$6,400.00
BID PACKAGE #08.3 - ALUMINUM-FRAMED STOREFRONTS & GLAZING	\$26,981.00
Add Emergency Egress Window Unit	\$4,400.00
BID PACKAGE #21.0 - FIRE SUPPRESSION	\$12,400.00
Delete Fire Suppression System	(\$12,400.00)
BID PACKAGE #22.0 - PLUMBING	\$101,598.00
Change All Domestic Water Piping From ProPress Copper to Uponor Pex Piping	(\$6,652.00)
Change Location of all Domestic Water Piping From Above Head to Below Grade Pex Loop	(\$4,600.00)
BID PACKAGE #23.0 - HVAC	\$91,146.00
Convert some square duct to equivalent round duct w/ 1 1/2" FSK wrap. Use greater than 5' flex duct branch runs to grills. Supply duct to be R8.0 and return duct to be R6.0.	(\$2,500.00)
Substitute seismic vibration isolators with standard vibration isolators for split systems / exhaust systems	(\$900.00)
BID PACKAGE #26.0 - ELECTRICAL	\$116,115.00
BID PACKAGE #31.0 - EARTHWORK	\$14,100.00
BID PACKAGE #32.0 - PAVING, GUTTERS, SIDEWALKS, PAVEMENT MARKERS & ADA SIGNS	\$0.00
SEE CONCRETE BID PKG. #3.0	
BID PACKAGE #33.0 - SITE UTILITIES - SANITARY SEWER	\$0.00
SEE PLUMBING BID PKG. #22.0	
SUBTOTAL	\$865,857.38
PROFESSIONAL LIABILITY INSURANCE	\$865.86
SUBCONTRACTOR GENERAL LIABILITY INSURANCE	\$1,218.47
BUILDERS RISK INSURANCE	\$1,952.87
SUBTOTAL	\$869,894.57
CM P&P BONDS	\$0.00
CONTINGENCY - LSM	\$39,000.00
CM FEE - 7.5%	\$68,167.09
BASE BID TOTAL	\$977,061.66

BETHANY FIRE STATION ADDITION
 CITY OF BETHANY
 BETHANY, OKLAHOMA

CONSTRUCTION MANAGER: LIPPERT BROS., INC.

ARCHITECT: TROY D. RHODES & COMPANY, INC.



BETHANY FIRE STATION ADDITION
PHASE 1A - BUILDING SHELL GYPSUM BOARD & INSULATION
LIPPERT BROS., INC. PRELIMINARY BID TOTAL - Bid Date: 9/14/2023

10/10/2023

BASE BID - BID PACKAGE TOTALS	Bid Results
GENERAL REQUIREMENTS	\$0.00
BID PACKAGE #09.0 - GYPSUM BOARD ASSEMBLIES	\$40,830.00
Delete Blown-In Insulation and Provide Std. R-30 Batt Between Ceiling Joist	(\$3,540.00)
SUBTOTAL	\$37,290.00
PROFESSIONAL LIABILITY INSURANCE	\$37.29
SUBCONTRACTOR GENERAL LIABILITY INSURANCE	\$69.98
BUILDERS RISK INSURANCE	\$84.14
SUBTOTAL	\$37,481.42
CM P&P BONDS	\$0.00
CONTINGENCY - LSM	\$2,000.00
CM FEE - 7.5%	\$2,961.11
BASE BID TOTAL	\$42,442.52

BETHANY FIRE STATION ADDITION
 CITY OF BETHANY
 BETHANY, OKLAHOMA

CONSTRUCTION MANAGER: LIPPERT BROS., INC.

ARCHITECT: TROY D. RHODES & COMPANY, INC.



**BETHANY FIRE STATION ADDITION
 PHASE 1B - BUILDING FINISH-OUT**

LIPPERT BROS., INC. PRELIMINARY BID TOTAL - Bid Date: 9/14/2023

10/10/2023

BASE BID - BID PACKAGE TOTALS	Bid Results
GENERAL REQUIREMENTS	\$50,459.63
BID PACKAGE #06.3 - MILLWORK	\$130,000.00
BID PACKAGE #08.1 - FLUSH WOOD DOORS	\$8,500.00
BID PACKAGE #08.2 - FINISH HARDWARE	\$12,900.00
BID PACKAGE #09.3 - BED, TAPE AND PAINT	\$27,800.00
SUBTOTAL	\$229,659.63
PROFESSIONAL LIABILITY INSURANCE	\$229.66
SUBCONTRACTOR GENERAL LIABILITY INSURANCE	\$285.04
BUILDERS RISK INSURANCE	\$517.89
SUBTOTAL	\$230,692.22
CM P&P BONDS	\$0.00
CONTINGENCY - LSM	\$5,000.00
CM FEE - 7.5%	\$17,676.92
BASE BID TOTAL	\$253,369.14

BETHANY FIRE STATION ADDITION
 CITY OF BETHANY
 BETHANY, OKLAHOMA

CONSTRUCTION MANAGER: LIPPERT BROS., INC.

ARCHITECT: TROY D. RHODES & COMPANY, INC.



**BETHANY FIRE STATION ADDITION
 PHASE 1C - BUILDING FINISH-OUT
 LIPPERT BROS., INC. PRELIMINARY BID TOTAL - Bid Date: 9/14/2023**

10/10/2023

BASE BID - BID PACKAGE TOTALS	Bid Results
GENERAL REQUIREMENTS	\$12,000.00
BID PACKAGE #09.1 - TILING	\$13,422.00
BID PACKAGE #09.2 - RESILIENT FLOORING & BASE & TILE CARPETING	\$32,020.00
BID PACKAGE #10.0 - MISC. SPECIALTIES - SIGNAGE & PLAQUES	\$850.00
SUBTOTAL	\$58,292.00
PROFESSIONAL LIABILITY INSURANCE	\$58.29
SUBCONTRACTOR GENERAL LIABILITY INSURANCE	\$79.34
BUILDERS RISK INSURANCE	\$131.47
SUBTOTAL	\$58,561.10
CM P&P BONDS	\$0.00
CONTINGENCY - LSM	\$2,000.00
CM FEE - 7.5%	\$4,542.08
BASE BID TOTAL	\$65,103.19

BETHANY FIRE STATION ADDITION
 CITY OF BETHANY
 BETHANY, OKLAHOMA

CONSTRUCTION MANAGER: LIPPERT BROS., INC.

ARCHITECT: TROY D. RHODES & COMPANY, INC.



**BETHANY FIRE STATION ADDITION
 PHASE 1D - BUILDING FINISH-OUT**

LIPPERT BROS., INC. PRELIMINARY BID TOTAL - Bid Date: 9/14/2023

10/10/2023

BASE BID - BID PACKAGE TOTALS	Bid Results
GENERAL REQUIREMENTS	0.00
BID PACKAGE #08.4 - ACCESS DOORS & WALL PROTECTION	3,350.00
BID PACKAGE #10.1 - MISC. SPECIALTIES - TOILET, LAUNDRY & JAINTORIAL ACCESSORIES	3,700.00
BID PACKAGE #10.2 - MISC. SPECIALTIES - FIRE PROTECTION SPECIALTIES	560.00
BID PACKAGE #11.0 - RESIDENTIAL APPLIANCES	0.00
BID PACKAGE #32.2 - SOILD SLAB SOD	6,000.00
SUBTOTAL	13,610.00
PROFESSIONAL LIABILITY INSURANCE	\$13.61
SUBCONTRACTOR GENERAL LIABILITY INSURANCE	\$23.33
BUILDERS RISK INSURANCE	\$30.71
SUBTOTAL	13,677.64
CM P&P BONDS	0.00
CONTINGENCY - LSM	2,000.00
CM FEE - 7.5%	1,175.82
BASE BID TOTAL	16,853.47

Agenda: 10/17/2023

Item: 12

BETHANY CITY COUNCIL

From: John Reid, Chief of Police
Date: October 11, 2023
Subject: Purchase of a 2021 Used Dodge Durango Patrol Vehicle

BACKGROUND

The Police Department is continuing to update its vehicle fleet. This vehicle will be assigned to the Patrol Division of the police department. The vehicle will replace a Ford Crown Victoria which is currently assigned to Patrol. The vehicle will be purchased using the impound release funds. This will be the third vehicle purchased this year. We were approved for the purchase of 4 vehicles this budget year.

The used Dodge Durango will be a 2021 with less than 50,000 miles. The vehicle will come with interior emergency lighting, siren system, Thunderstruck TVI Bumper, and gun locks. The cost of the 2021 Dodge Durango is \$32,025.00.

RECOMMENDATION

1. Approve the purchase of a used 2021 Dodge Durango patrol vehicle from the Kansas Highway Patrol as presented for \$32,025.00.

ADDITIONAL COMMENTS

Additional Quotes Attached.

A circular stamp containing the handwritten initials "dg" in blue ink.

BETHANY POLICE DEPARTMENT
 QUOTATION SHEET (FOR PURCHASES OF \$800+)


PRODUCT/SERVICE: 2021 Dodge Durango Patrol Vehicle, equipped with emergency lights, siren, TVI bumper, and console.

Purchase will come out of the impound account

VENDOR 1	VENDOR 2	VENDOR 3
COMPANY NAME: Kansas Highway Patrol	COMPANY NAME: Joe Cooper Dodge Shawnee	COMPANY NAME: Enterprise Car Sales OKC
ADDRESS: 930 NE Strait Ave Topeka, KS 66616	ADDRESS: Online	ADDRESS: 433 E Memorial RD OKC, OK 73114
TELEPHONE NUMBER: (785)296-8535	TELEPHONE NUMBER: (405)695-5674	TELEPHONE NUMBER:
CONTACT PERSON: Larry	CONTACT PERSON: Online	CONTACT PERSON: Online
TOTAL PURCHASE PRICE: \$32,025.00	TOTAL PURCHASE PRICE: \$32,432	TOTAL PURCHASE PRICE: \$32,499.00
DATE OF QUOTE: 10/3/2023	DATE OF QUOTE: 10/11/2023	DATE OF QUOTE: 10/11/2023
QUOTE OBTAINED BY: Meek	QUOTE OBTAINED BY: Reid	QUOTE OBTAINED BY: Reid

AWARDED TO: Kansas Highway Patrol

DATE: 10/11/2023

APPROVED BY: 

Kansas Highway Patrol

Fleet Sales

930 NE Strait Ave.
Topeka, KS 66616
(785) 296-8535



KANSAS HIGHWAY PATROL

Page 1 of 1

Agency	City of Bethany	Invoice #:	Temporary
Address	6700 NW 36th Street	Date:	10/3/2023
City	Bethany	State	OK
	Zip		73008
		PO#:	
		Check #:	
Phone	405-787-7651 Ext 202	Email	CMeek@bethanypd.org
		Attn:	Deputy Chief Chad Meek

Model Year	Description	Unit #	Qty	Unit Price	Total
2021	Dodge Durango Pursuit AWD 5.7 8 spd AT Remote start, Uconnect 4 Bluetooth, heated power mirrors, spotlamp & automatic temp control *Used Thunderstruck TVI Bumper *Used Interior Lights *Used Siren System *Used Gun Locks Color: Black VIN: 1C4SDJFT1MC662906 Mileage: Under 50000	21-759	1	\$29,850.00	\$29,850.00
			1	\$925.00	\$925.00
			1	\$600.00	\$600.00
			1	\$400.00	\$400.00
			2	\$125.00	\$250.00
				Page Total	\$32,025.00

Invoice Total \$32,025.00

Purchasers Signature _____

Date _____

Please Make Checks Payable To: Kansas Highway Patrol Car Fund
All Vehicles Must Be Picked Up In Topeka
Please pay from this invoice. No statement will be mailed

Newly Listed

Joe Cooper Dodge Shawnee 405-695-5674

Used 2021 Dodge Durango GT w/ Blacktop Package

Share
Save

KBB.com Consumer Vehicle Rating 4.7(210)

48,905 miles

- 3.6L 6-Cylinder Gas Engine
- 18 City / 25 Highway
- F8 Green Clearcoat Exterior
- Black Interior
- 8-Speed Automatic Transmission
- All wheel drive



No Image Available

My Wallet Kelley Blue Book

CREDIT & TERM
Very Good(700 - 739)

BUDGET

Set a Budget
DOWN PAYMENT
20%


TRADE-IN

TRADE-IN

Add a vehicle
Build Your Offer

Listing Price
32,432

Est. Trade-In Value

 Get My Kelley Blue Book® Value

\$0

Amount Owed on Trade-In

Get My Payoff Quote

\$0

Down Payment

\$0

Taxes & Fees

Get Taxes & Fees

Amount Financed \$12,432

Credit Rating

Very Good (700-739) ▼

Term

60 mo. ▼

Estimated Payment

672/mo.*

Ally 8.97% APR for 60 mo.

Apply for Financing

Send Offer Continue Online

*Est. payment based on vehicle price (excluding taxes and fees) and associated lender rates for qualified buyers, term length and any associated trade-in equity or down payment from buyer. Contingent upon seller's acceptance of these terms. Terms may vary.

INSURIFY

Get insurance quotes for this vehicle from Insurify.com

Get a Quote

*Close alert! Whoops! We experienced an issue getting a quote for this vehicle. Please try again.

Seller Comments

Stock#: TSP79224VIN: 1GARJDJG3MC579224

THIS VEHICLE CONTAINS EQUIPMENT WITH FOLLOWING OPTIONS AND FEATURES: FEATURES: ***JOE COOPER CHRYSLER DODGE JEEP RAM OF SHAWNEE***. ***BACKUP CAMERA**
BLUETOOTH HANDS FREE. ***3RD ROW***. ***4WD***. Priced below KBB Fair Purchase Price!

Certification Program Details: Cooper Certified Pre-Owned vehicles have gone through a multi-point vehicle inspection and been reconditioned to our high standards. Every Cooper Certified comes with a 3 month 3,000 mile Limited Warranty. We offer a complimentary Carfax report and home delivery available. Buy with the name Oklahoma's have trusted since 1946.

THIS VEHICLE COMES EQUIPPED WITH THE FOLLOWING OPTIONS AND FEATURES: Blacktop Package (Gloss Black Badges, Gloss Black Exterior Mirrors, GT Gloss Black Badging, Satin Black Dodge Tail Lamp Badge, and Wheels: 20 x 8.0 Black Noise Aluminum), Quick Order Package 2BD GT, 2nd Row Fold/Tumble Captain Chairs, 2nd Row Mini Console w/Cupholders, 2nd Row Seat Mounted Inboard Armrests, 3.45 Rear Axle Ratio, 3rd Row Floor Mat & Mini Console, 3rd row seats: split-bench, 4-Wheel Disc Brakes, 6 Speakers, 6-Passenger Seating, ABS brakes, Air Conditioning, Alloy wheels, AM/FM radio: SiriusXM, Anti-whiplash front head restraints, Apple CarPlay, Apple CarPlay/Android Auto, Auto-dimming Rear-View mirror, Automatic temperature control, Blind Spot & Cross Path Detection, Brake assist, Bumpers: body-color, Cloth Bucket Seats w/Shift Inset, Compass, Delay-off headlights, Driver door bin, Driver vanity mirror, Dual front side impact airbags, Electronic Stability Control, Four wheel independent suspension, Front anti-roll bar, Front Bucket Seats, Front Center Armrest w/Storage, Front dual zone A/C, Front fog lights, Front license Plate Bracket, Front reading lights, Fully automatic headlights, Google Android Auto, GPS Antenna Input, Heated door mirrors, Illuminated entry, Integrated Center Stack Radio, Integrated Voice Command w/Bluetooth, Knee airbag, Low tire pressure warning, Occupant sensing airbag, Outside temperature display, Overhead airbag, Overhead console, Panic alarm, ParkView Rear Back-Up Camera, Passenger door bin, Passenger vanity mirror, Power door mirrors, Power driver seat, Power steering, Power Sunroof, Power windows, Radio data system, Radio: Uconnect 4 w/8.4 Display, Rear air conditioning, Rear anti-roll bar, Rear reading lights, Rear seat center armrest, Rear window defroster, Rear window wiper, Remote keyless entry, SiriusXM Satellite Radio, Speed control, Speed-sensing steering, Speed-Sensitive Wipers, Split folding rear seat, Spoiler, Steering wheel mounted audio controls, Tachometer, Telescoping steering wheel, Tilt steering wheel, Traction control, Trip computer, Tungsten Interior Accent Stitch, USB Host Flip, Variably intermittent wipers, Voltmeter, and Wheels: 20 x 8.0 Fine Silver.

Dealer Disclosure: Although every reasonable effort has been made to ensure the accuracy of the information contained on this site, absolute accuracy cannot be guaranteed. This site, and all information and materials appearing on it, are presented to the user "as is" without warranty of any kind, either express or implied. All vehicles are subject to prior sale. Vehicles shown at different locations are not currently in our inventory (Not in Stock) but can be made available to you at our location within a reasonable date from the time of your request, not to exceed one week. Sales Tax, Title, License Fee, Registration Fee, Dealer Documentary Fee, Finance Charges and Emission Testing Fees (if applicable) are additional to the advertised price.

See More

32,432

\$2,463

Below Kelley Blue Book® Fair Purchase Price

See estimated payment



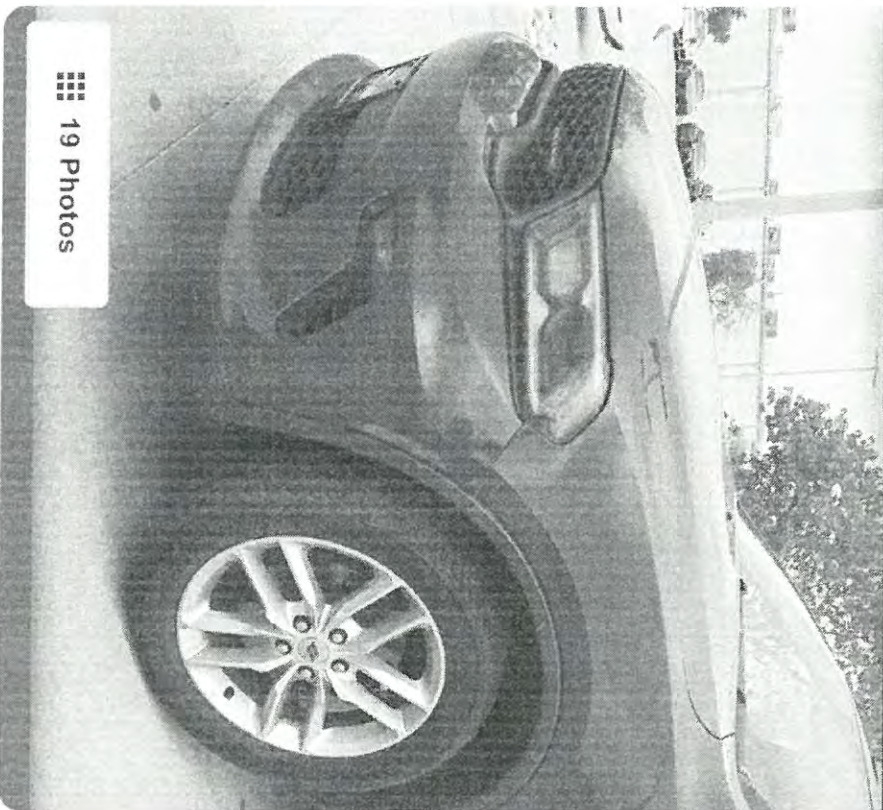
New

Used

Reviews



This vehicle has passed inspection by an ASE-certified technician.



19 Photos



\$32,499

fair price

Est. Loan: \$652/mo \$450 Below Market



See If You Prequalify

Powered by **Capital One**



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Get prequalified

Enterprise Car Sales Oklahoma City (Oklahoma City, OK)

Call Home delivery available+ Dealer

Summary Features Price Payments Warrant

Check Availability

Ask for dealer's best price via email

Used

2021 Dodge Durango

GT Plus 4dr SUV AWD (3.6L 6cyl 8A)

Vehicle Summary

Highlights

Mileage **58,769** Horsepower **295** hp

Ext. Color **Redline 2 Pearl Coat** Max Towing Capacity **6,200 lbs**

Int. Color **Black** Standard Payload Capacity **1,350 lbs**

Leather/Sueded Microfiber Seats **7**

Engine **Gas** VIN **1C4RDJDG1MC661811**

Transmission **Automatic**

Report a problem

This information will not be shared with any dealer other than those you select. Our collection and use of your personal information

Request Information

First Name

Last Name

Email Address

Phone Number

Drivetrain

All Wheel Drive

MPG 18/25

City/Hwy

MPG ⓘ

21

Combined

MPG

Vehicle History Report by



A Division of Experian



0 Accidents

1 Owner



Personal Use

Clean Title

Enterprise Car Sales Oklahoma City

433 E Memorial Rd, Oklahoma City, OK
73114



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Directions



Inventory



Dealer's
Website

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BETHANY CITY COUNCIL

From: Amanda McCellon, Community Development Director
Date: October 10, 2023
Subject: Consideration and Possible Action declaring 7211 NW 16th Street a dilapidated building

BACKGROUND

During the budget process the council approved \$30,000 in abatement costs, which includes funds to remove dilapidated structures. Staff has identified the property at 7211 NW 16th Street as a dilapidated structure that needs to be removed.

- The purpose of this meeting is to determine whether the described real property presents a danger to the health, safety, and welfare of the public and property.
- Dilapidated, as used herein, means:
 - The neglect of necessary repairs or allowing the building to fall into a state of decay or partial ruin.
 - A structure unfit for human occupancy due to lack of repairs.
 - A building declared by the city to be a public nuisance.
- Should the council declare this structure as a public nuisance, the city may proceed with the demolition of the structure.
- All pertinent hearings, postings, and mailings have been done by staff, above and beyond what the City of Bethany ordinance calls for.
- Three bids have been obtained for work.

RECOMMENDATION

1. Approve declaring 7211 NW 16th Street in Bethany as a dilapidated structure and order its demolition and removal.



ADDITIONAL COMMENTS

Funds for this project come from abatement costs which currently are \$26,626 in the line item. There will be \$ 13,788 remaining in this fund once this project is complete.

Bethany City Council

17 October 2023

Demolition Hearing – 7211 NW 16th Street

Background

- November 20, 2022
 - House fire reported, with flames being seen from NW 16th Street.
 - The house sustained heavy damage; however, the house was vacant.
- July 25, 2023
 - NOV served over tall grass, weeds, and junk debris on property with a hearing date of August 9, 2023;
 - No representative of the owner was present for the hearing;
 - The hearing officer determined that the neglect of the property and poor condition of the structure would require a further hearing by the Bethany City Council to determine if the house was a nuisance, and possibly declare it a nuisance for demolition.
 - Hearing officer declared the high weeds and grass a nuisance and directed the property to be mowed to help minimize fire hazard.
 - To date \$250.00 has since been spent on mowing tall weeds and grass.
- September 18, 2023
 - Code Enforcement returned to the property to serve an NOV for a derelict vehicle's parked in the backyard; vehicles are blocked by structure and will be removed after demolition.
 - The property owners have not contacted the city in response to any postings to this date.
- September 25, 2023
 - Code Enforcement posted the property with notice for demolition hearing to take place on October 17, 2023.

Background - Continued

Title search revealed:

- The property is in the name of C. Bill Webster.
 - Notice of Hearing published in the newspaper
 - Notice of hearing was sent to mortgage holder
 - Property was posted with hearing information
- Between 2002 & 2018, the Bethany Police Department made 39 calls for service at this property.
- From 2018 to the present day, another 34 calls for service have been made by the Bethany Police Department.
 - Calls for service included simple welfare checks, burglary, fraud, suspicious persons, sex offense, drug overdose, et al.
- A mortgage in the amount of \$147,000 with Countrywide Bank FSB is recorded on the property.
- Utilities have not been active at this address since July 1, 2020.





2023/09/25
16:04







BETHANY Oklahoma

Department of Planning & Community Development

NOTICE OF HEARING

STATE OF OKLAHOMA
County of Oklahoma
City of Bethany

To: C. Bill Webster
William Webster
771 NW 163rd
Oklahoma City, OK 73127-0205

Notice is hereby given pursuant to Section 22-112 and Section 22-112.1 in Title 22, Oklahoma Statutes Annotated, 1981, as amended, that on the 27th of October, 2023, at 6:30 P.M., the City Council of Bethany will conduct a hearing to determine whether the following described real property and the encumbrances against thereon are so dilapidated as to be detrimental to the health, safety, and welfare of the City of Bethany and the citizens and public agencies, and if so, to order the same to be brought up to surrounding standards. "Dilapidated" as used herein means neglect of necessary repairs or allowing the building to fall into a state of decay or partial ruin so as to be a health or safety hazard, a nuisance and/or human occupancy use to be, in repair, or a building declared by the City to be a public nuisance.

The property to be considered is located 771 NW 163rd, Bethany, Oklahoma 73127 and the legal description of the property located in Oklahoma County, Oklahoma is as follows:

UNPLD PT SEC 29 (20 42' 100' 00' 00' PT) OF NE 1/4 SEC 29, OK 1/4, BDO 94-107 W 1/4 SE 1/4 OF NW 1/4 N 30E 1/4 W 1/4 ST 1/4 E 1/4 PT TO BDO OK 1/4 E 1/4 TR 1/4 E 1/4 TR 1/4 FOR ROAD.

Notice is further given that if the City Council does determine that the aforementioned encumbrances do exist, the City Council will direct that the entire structure(s) be demolished and the removal of any hazards on the property.

The City Council may also consider the compliance of the owner's offer to transfer title of the property and may the hearing. If this option is accepted, the transfer of title shall be executed and filed with the County Clerk within thirty days. The hearing on the matter shall be continued to the next regularly scheduled meeting and the third day of the meeting of this deadline. If the transfer of property has not occurred, the City may file the order and proceed with the hearing.

2023/09/25
16:03

101 Occupant and/or Owner
ADDRESS:
City of Bethany













2023/09/25
16:09











2023/09/25
16:07











2023/09/25
16:12

Analysis & Required Action

- The purpose of this meeting is to determine whether the described real property presents a danger to the health, safety, and welfare of the public and property.
- Dilapidated, as used herein, means:
 - the neglect of necessary repairs or allowing the building to fall into a state of decay or partial ruin.
 - A structure unfit for human occupancy due to lack of repairs.
 - A building declared by the city to be a public nuisance.
- Should council declare this structure as a public nuisance, the city may proceed with the demolition of the structure, or;
- The City Council can accept the owner's offer to transfer title of the property and stay the hearing. The transfer of title shall be executed and filed with the County Clerk within thirty days. The hearing on the matter shall be continued to the next regularly scheduled meeting after the thirty-day transfer of title deadline. If the transfer of property has not occurred, the city may lift the stay and proceed with the hearing.

City of Bethany General Fund
Statement of Revenues and Expense
September 2023

AGENDA: 10/17/2023
ITEM: 17 (A)

Revenues

	2023-2024	September	Year to Date	Year to Date	Budget
	Annual Budget	Revenue	Revenue	Percentage of Budget	Remaining
SALES TAX 82.5% DEDICATED	4,915,581.00	406,080.00	1,263,686.00	25.71%	3,651,895.00
USE TAX REVENUE	1,340,722.00	122,449.00	362,086.00	27.01%	978,636.00
HOTEL TAX REVENUE	53,583.00	4,358.00	15,658.00	29.22%	37,925.00
CABLE FRANCHISE TAX REVENUE	105,852.00	0.00	0.00	0.00%	105,852.00
PHONE FRANCHISE TAX REVENUE	24,038.00	0.00	29,700.00	123.55%	-5,662.00
UTILITY FRANCHISE TAX REVENUE	751,061.00	77,826.00	233,982.00	31.15%	517,079.00
OCCUPATIONAL LICENSE REVENUE	28,119.00	2,565.00	16,674.00	59.30%	11,445.00
BUILDING PERMIT REVENUE	28,246.00	4,519.00	18,366.00	65.02%	9,880.00
INSPECTION PERMIT REVENUE	33,446.00	7,280.00	20,522.00	61.36%	12,924.00
ZONING PERMITS	1,094.00	0.00	0.00	0.00%	1,094.00
ANIMAL LICENSE REVENUE	0.00	20.00	177.00	0.00%	-177.00
ABATEMENT REVENUE	0.00	0.00	2,400.00	0.00%	-2,400.00
MOTOR FUEL TAX REVENUE	37,049.00	3,108.00	9,373.00	25.30%	27,676.00
COMMERCIAL VEH TAX REVENUE	139,694.00	13,682.00	29,081.00	20.82%	110,613.00
CIGARETTE TAX REVENUE	42,592.00	3,106.00	9,527.00	22.37%	33,065.00
ALCOHOL BEVERAGE TAX REVENUE	57,391.00	4,274.00	13,949.00	24.31%	43,442.00
ACCOUNTING SERVICE REVENUE	26,400.00	13,200.00	13,200.00	50.00%	13,200.00
EMERGENCY MEDICAL CALL SVC FEE	279,415.00	23,403.00	70,251.00	25.14%	209,164.00
STORMWATER COMPLIANCE FEE	323,352.00	27,015.00	81,090.00	25.08%	242,262.00
CEMETARY LOT SALES REVENUE	34,200.00	750.00	2,750.00	8.04%	31,450.00
MINERAL RIGHTS & ROYALTIES REV	34,853.00	540.00	2,622.00	7.52%	32,231.00
POLICE FINES & COURT COST REV	813,252.00	55,409.00	173,050.00	21.28%	640,202.00
INTEREST INCOME	13,515.00	40.00	8,378.00	61.99%	5,137.00
MISCELLANEOUS REVENUE	108,290.00	6,337.00	142,386.00	131.49%	-34,096.00
REIMBURSEMENT REVENUE	30,386.00	378.00	8,473.00	27.88%	21,913.00
CREDIT CARD FEES	102,913.00	8,029.00	25,452.00	24.73%	77,461.00
GRANT REVENUE	134,000.00	14,624.00	14,624.00	10.91%	119,376.00
OMAG REFUNDS	0.00	0.00	0.00	0.00%	0.00
ECONOMIC DEV PROMO & EVENT RE	0.00	0.00	120.00	0.00%	-120.00
OMAG WORKER'S COMP REFUNDS	48,483.00	1,776.00	6,723.00	13.87%	41,760.00
Total Revenues	9,507,527.00	800,768.00	2,574,300.00	27.08%	6,933,227.00
Transfers In	2,328,894.00	179,167.00	537,501.00	23.08%	1,791,393.00
Total Revenues and Transfers In	11,836,421.00	979,935.00	3,111,801.00	26.29%	8,724,620.00

Expenses

	2023-2024 Annual Budget	September Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
01.0-MANAGEMENT	1,039,918.00	97,357.00	254,256.00	24.45%	785,662.00
02.0-FINANCE	429,104.00	65,377.00	116,756.00	27.21%	312,348.00
03.0-MUNICIPAL COURT	620,081.00	37,288.00	120,466.00	19.43%	499,615.00
04.0-ENGINEERING	351,000.00	0.00	0.00	0.00%	351,000.00
05.0-POLICE	4,699,604.00	314,523.00	1,040,795.00	22.15%	3,658,809.00
06.0-FIRE	2,910,684.00	189,564.00	590,030.00	20.27%	2,320,654.00
07.0-COMMUNITY DEV	620,108.00	38,501.00	116,985.00	18.87%	503,123.00
08.1-PW ADMIN	190,503.00	11,714.00	34,518.00	18.12%	155,985.00
08.2-STREETS	1,215,182.00	56,178.00	388,789.00	31.99%	826,393.00
08.4-FLEET MAINT	133,624.00	5,395.00	17,634.00	13.20%	115,990.00
08.5-PARKS	600,557.00	36,238.00	111,848.00	18.62%	488,709.00
98.0-CONTINGENCY	606,000.00	0.00	0.00	0.00%	606,000.00
TOTAL EXPENDITURES	13,416,365.00	852,135.00	2,792,077.00	20.81%	10,624,288.00
Transfers Out	515,000.00	283,000.00	353,000.00	68.54%	0.00
Total Expenses and Transfers Out	13,931,365.00	1,135,135.00	3,145,077.00	22.58%	10,624,288.00
Revenues over (under) expenses	-2,094,944.00	-155,200.00	-33,276.00	1.59%	-1,899,668.00

Bethany Public Works Authority
Statement of Revenues and Expenses
September 2023

Revenues

	2023-2024 Annual Budget	September Revenue	Year to Date Revenue	Year to Date Percentage of Budget	Budget Remaining
RESIDENTIAL PENALTY REVENUE	155,328.00	19,274.00	52,391.00	33.73%	102,937.00
COMMERCIAL PENALTY REVENUE	60,000.00	2,896.00	5,989.00	9.98%	54,011.00
SOLID WASTE REVENUE	2,985,427.00	248,433.00	770,354.00	25.80%	2,215,073.00
WATER REVENUE	4,005,487.00	373,059.00	1,015,054.00	25.34%	2,990,433.00
WATER TAP REVENUE	2,513.00	13,500.00	45,660.00	1816.95%	-43,147.00
SEWER REVENUE	3,025,164.00	241,074.00	718,382.00	23.75%	2,306,782.00
SEWER TAP REVENUE	257.00	700.00	2,600.00	1011.67%	-2,343.00
INTEREST INCOME	116,187.00	12,266.00	78,901.00	67.91%	37,286.00
LEASE REVENUE	149,091.00	7,119.00	21,356.00	14.32%	127,735.00
SCRAP METAL REVENUE	0.00	413.00	755.00	0.00%	-755.00
MISCELLANEOUS REVENUE	0.00	0.00	0.00	0.00%	-98.92
*** TOTAL REVENUE ***	10,499,454.00	918,734.00	2,711,442.00	25.82%	7,788,012.00
Total Revenues and Transfers In	10,499,454.00	918,734.00	2,711,442.00	25.82%	7,788,012.00

Expenses

	2023-2024 Annual Budget	September Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
02.0-BPWA FINANCE	515,597.00	67,617.00	126,908.00	24.61%	388,689.00
08.1-BPWA ADMIN	200,503.00	13,470.00	37,507.00	18.71%	162,996.00
08.3-BPWA SANITATION	2,169,976.00	98,619.00	285,240.00	13.14%	1,884,736.00
08.4-BPWA FLEET MAINT	133,624.00	685.00	9,709.00	7.27%	123,915.00
12.0-BPWA WATER PLANT	2,167,158.00	196,866.00	501,731.00	23.15%	1,665,427.00
12.1-BPWA WATER LINE	484,500.00	32,566.00	117,570.00	24.27%	366,930.00
12.2-BPWA SEWER LINE	2,232,400.00	165,145.00	356,791.00	15.98%	1,875,609.00
97.0-DEBT SERVICE INTERST EXP	250,000.00	17,407.00	71,539.00	28.62%	178,461.00
98.0-CONTINGENCY	250,000.00	0.00	0.00	0.00%	250,000.00
99.0-TRANSFERS OUT	2,150,000.00	179,167.00	537,501.00	25.00%	1,612,499.00
Total Expenses and Transfers Out	10,553,758.00	771,542.00	2,044,496.00	19.37%	8,509,262.00
DEBT SERVICE PRINCIPAL	1,115,614.00	78,333.00	377,163.00	33.81%	738,451.00
Revenues over (under) Expenses/Debt Service	-1,169,918.00	68,859.00	289,783.00	-24.77%	-1,459,701.00

City of Bethany
Capital Improvement Fund
Statement of Revenue And Expense
September 2023

Revenues

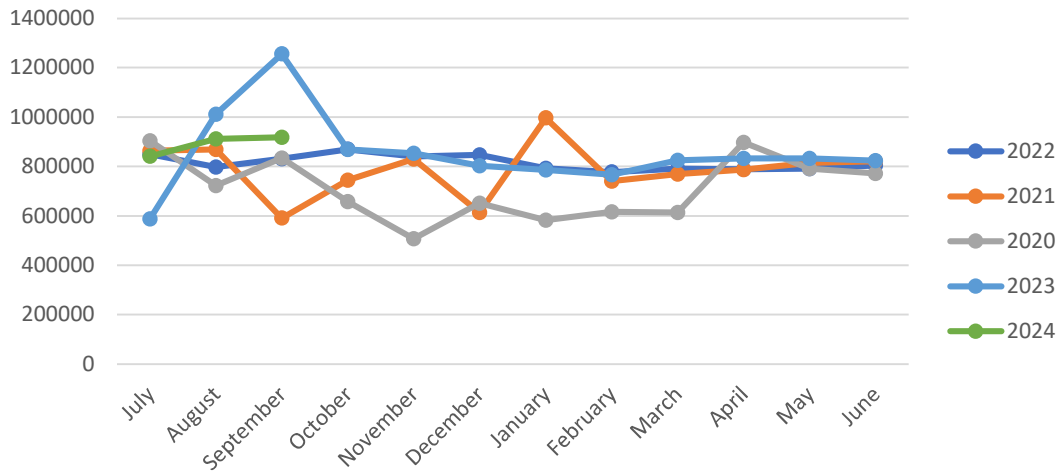
	2023-2024 Annual Budget	September Revenue	Year to Date Revenue	Year to Date Percentage of Budget	Budget Remaining
SALES TAX 17.5% DEDICATED	1,123,120.00	86,138.00	268,055.00	23.87%	855,065.00
INTEREST REVENUE	1,438.00	0.00	458.00	31.85%	980.00
TRANSFER FROM GF	648,613.00	283,000.00	353,000.00	54.42%	295,613.00
MISCELLANEOUS REVENUE	365,289.00	365,289.22	365,289.22	100.00%	-0.22
GRANT REVENUE	609,161.00	0.00	0.00	0.00%	609,161.00
Total Revenue	2,747,621.00	734,427.22	986,802.22	35.91%	1,760,818.78

Expenses

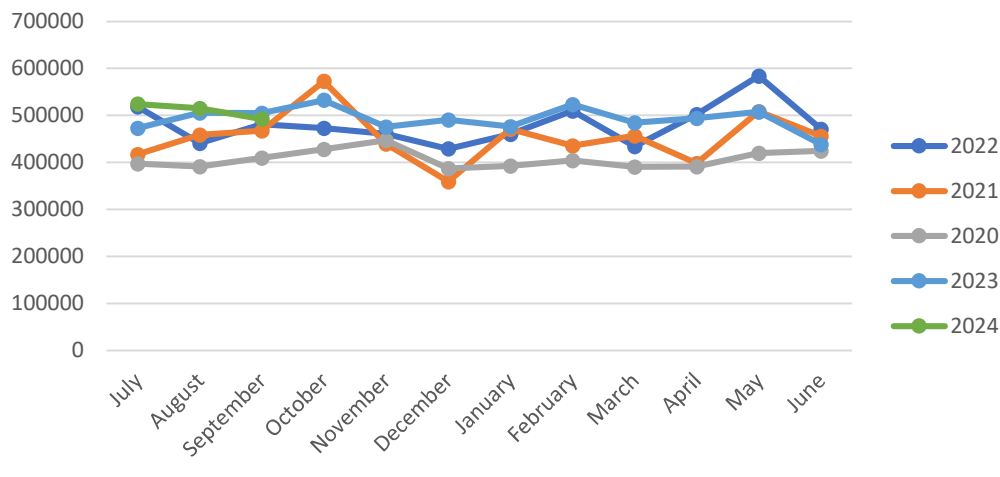
	2023-2024 Annual Budget	September Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
Capital Projects					
RIPPER PARK POOL	85,000.00	0.00	0.00	0.00%	85,000.00
CDBG GRANT MATCH	293,463.00	1,722.00	212,695.00	72.48%	80,768.00
31ST STREET LIFT STATION	231,000.00	0.00	0.00	0.00%	231,000.00
FIRE TRUCK LEASE PAYMENT	85,000.00	0.00	0.00	0.00%	85,000.00
SANITATION TRUCK	243,623.00	0.00	0.00	0.00%	243,623.00
CRRSAA ROCKWELL PROJECT	700,000.00	17,030.00	26,112.00	3.73%	673,888.00
CITY HALL HVAC REPLACEMENT	60,000.00	0.00	0.00	0.00%	60,000.00
PW 1/2 TON TRUCK W/ TOMMY LIF	36,000.00	0.00	0.00	0.00%	36,000.00
STREETS 1 TON TRUCK W/ DUMP	60,035.00	0.00	0.00	0.00%	60,035.00
DISPATCH CONSOLE	95,000.00	0.00	0.00	0.00%	95,000.00
PW MINI TRAC LOADER	29,000.00	0.00	0.00	0.00%	29,000.00
REPLACEMENT DUMPSTERS	54,900.00	0.00	0.00	0.00%	54,900.00
COMM. DEV. TRUCK	40,000.00	38,461.00	38,461.00	96.15%	1,539.00
PD HVAC	20,000.00	0.00	0.00	0.00%	20,000.00
PW ZTR MOWER	20,000.00	0.00	0.00	0.00%	20,000.00
PW FLAIL MOWER	9,000.00	0.00	0.00	0.00%	9,000.00
Total Capital Projects	2,062,021.00	57,213.00	277,268.00	13.45%	1,784,753.00

Revenues Over (under) Expenses	685,600.00	677,214.22	709,534.22	103.49%	-23,934.22
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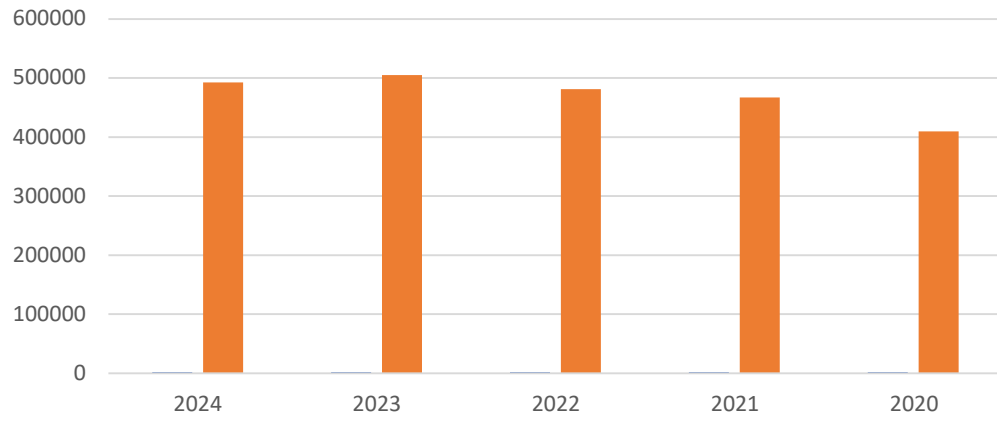
Public Works Authority Monthly Income



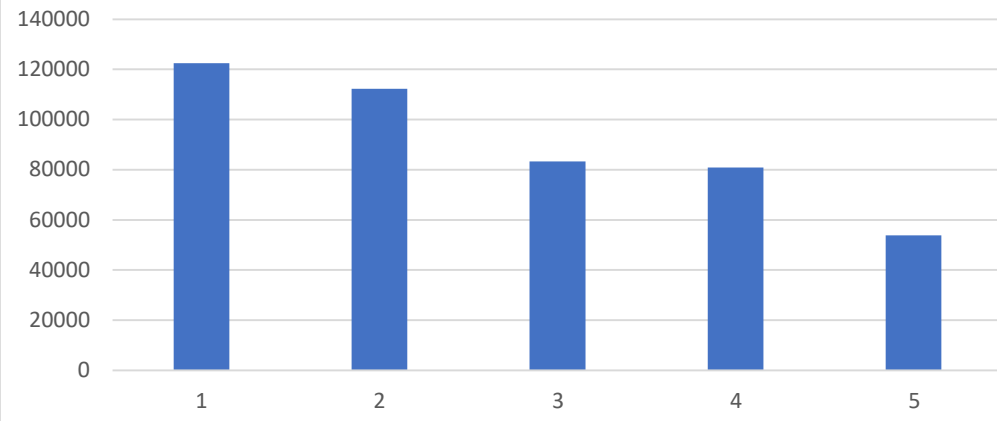
Monthly Sales Tax Income



September Sales Tax Deposits



September Use Tax Deposits



NOTICE: On , Thursday September 28, 2023, at or before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

BETHANY PUBLIC WORKS AUTHORITY MEETING

BETHANY CITY HALL

TUESDAY, OCTOBER 3, 2023

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Chris Powell	Trustee
	Kathy Larsen	Trustee
	Marilyn McPhail	Trustee
	Peter Plank	Trustee
	Steve Palmer	Trustee
	Brian Magirowsky	Trustee
MEMBERS ABSENT:	Ken Smart	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Steve Manek	TEIM Design
	Jon Wolff	Municipal Finance Svc.
	(See Roster)	

Chairman Lloyd called the Bethany Public Works Authority meeting to order at 9:37 P.M.

ITEM NO. 1 on the agenda was **CONSENT DOCKET:**

- A. APPROVAL OF MINUTES FROM SEPTEMBER 19, 2023, REGULAR MEETING.**
- B. APPROVAL OF CLAIMS: THESE CLAIMS HAVE BEEN FOUND TO BE IN ORDER BY STAFF AND PROPER AS TO FORM AND PROCEDURE AND ARE RECOMMENDED FOR PAYMENT. A COPY OF THE CLAIMS.**

Motion was made by Trustee Larsen, seconded by Trustee Magirowsky to approve the Consent Docket. Yes Votes: Larsen, Palmer, Magirowsky, Powell, Lloyd, McPhail, Plank, Knapp. No Votes: None. Motion

passed.

ITEM NO. 2 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF ON CALL SERVICES CONTRACT FOR CONCRETE PAVING, ASPHALT PAVING AND DRAINAGE REPAIR SERVICES TO BREWER CONSTRUCTION OKLAHOMA, LLC FOR THE BID AMOUNT OF \$637,758.00. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Palmer, seconded by Council Member Larsen to approve on-call services contract for concrete paving, asphalt paving and drainage repair services to Brewer Construction Oklahoma, LLC for the bid amount of \$637,758.00. Yes votes: Knapp, Powell, Larsen, Plank, McPhail, Magirowsky Palmer, Lloyd. No votes: None. Motion approved.

ITEM NO. 3 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF ON CALL SERVICES CONTRACT FOR WATER AND WASTEWATER REPAIR SERVICES TO KRAPFF-REYNOLDS CONSTRUCTION CO. FOR THE BID AMOUNT OF \$1,086,985.00. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Palmer, seconded by Council Member Larsen to approve on-call services contract for water and wastewater repair services to Krapff-Reynolds Construction Co. for the bid amount of \$1,086,985.00. Yes votes: Knapp, Larsen, Plank, Powell, Palmer, Magirowsky, Lloyd, McPhail. No votes: None. Motion approved.

ITEM NO. 4 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF AMENDMENT NO. 2 AND CHANGE ORDER NO. 1 TO CONSTRUCTION CONTRACT FOR CDBG WATERLINE REPLACEMENT PROJECT ON HOLLOWAY AVENUE FROM NW 36TH STREET TO NW 32ND STREET TO SOUTHWEST WATER WORKS, LLC IN THE AMOUNT OF \$38,123.49. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to approve Amendment No. 2 and Change Order No. 1 to construction contract for CDBG Waterline Replacement Project on Holloway Ave. from NW 36th St. to NW 32nd St. to Southwest Water Works, LLC in the amount of \$38,123.49. Yes votes: Palmer, Plank, Larsen, Knapp, Magirowsky, McPhail, Powell, Lloyd. No votes: None. Motion approved.

ITEM NO. 5 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS "MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA")**.

None

ITEM NO. 6 on the agenda was **ADJOURN UNTIL OCTOBER 17, 2023.**

Chairman Lloyd adjourned the Bethany Public Works Authority meeting at 9:39 P.M. until October 17, 2023.

CHAIRMAN

SECRETARY

BETHANY PUBLIC WORKS AUTHORITY

From: Michael Vaughn, Finance Director
Date: October 12, 2023
Subject: Claims List for the 10/17/2023 Bethany Public Works Authority Meeting

BETHANY PUBLIC WORKS AUTHORITY

FUND	AMOUNT
Bethany Public Works Authority	\$251,652.77
TOTAL	\$251,652.77

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$954,107.90
Bethany Public Works Authority	\$251,652.77
Bethany Hospital Trust	\$0.00
Bethany Development Authority	\$0.00
TOTAL	\$1,205,760.67

RECOMMENDATION

1. Approve the claims as presented.



P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-48998	10-1	ABEE PROPERTIES	REIM FOR TWO WTR METERS	10/2023	20231011	1,263.00
24-48140	10-3436	BANCFIRST	AUG 2013 BOND	10/2023	NOV PYMT	78,333.33
DEPARTMENT TOTAL:						79,596.33
DEPARTMENT: 02.0		FINANCE				
24-48592	10-005038	OKLAHOMA ENVELOPE	NON WINDOW ENVELOPE	10/2023	2664	168.75
24-48928	10-005350	FORCE PERSONNEL	METER READER	10/2023	75251	966.00
24-48310	10-005702	TPS TECHNICAL PROGRAMMING	UTILITY BILLING SVC	10/2023	11578	2,223.42
24-48313	10-0596	FUZZELL'S BUSINESS	SHARP COPIER MAINTENANCE	10/2023	MM96721	18.81
24-48312	10-1715	TYLER TECHNOLOGIES	NOTIFICATION CALLS	10/2023	025-440910	1,413.90
24-48860	10-1715	TYLER TECHNOLOGIES	ONLINE PYMT FEE	10/2023	025-440358	10,133.75
DEPARTMENT TOTAL:						14,924.63
DEPARTMENT: 08.1		PUBLIC WORKS - ADMIN				
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	454.64
24-48160	10-3042	ACCURATE ENVIRONMENTAL	VOC 7 & 10 & BAC - T	10/2023	F128056	368.00
24-48642	10-3042	ACCURATE ENVIRONMENTAL	VOC 7 & 10 AND BAC T'S	10/2023	F121097	736.00
DEPARTMENT TOTAL:						1,558.64
DEPARTMENT: 08.3		PUBLIC WORKS - SANIT				
24-48530	10-005350	FORCE PERSONNEL	TEMP HELP FOR SANITATION	10/2023	75252	3,386.75
24-48973	10-005350	FORCE PERSONNEL	TEMP HELP	10/2023	75837	4,153.82
24-48914	10-005373	CARD SERVICES/PI	MISC SUPPLIES	10/2023	4632268	366.41
24-48233	10-0202	WASTE CONNECTIONS, INC	ROLL-OFFS FEES	10/2023	3049275V013	4,701.62
24-48819	10-0668	HAYES ELECTRIC	BREAKERBOX/SANITATIONBARN	10/2023	98109	584.05
24-48812	10-0812	J & R EQUIPMENT LLC	DX UNIT 89 FOR MULT ISSUE	10/2023	01W5035	2,195.44
24-48872	10-0812	J & R EQUIPMENT LLC	CYLINDER PIN ON BLADE OUT	10/2023	01W5060	2,006.75
24-48869	10-1118	FLEETPRIDE	REAR SUSPENSION #99	10/2023	OC2019172	7,925.20
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	7,339.20
24-48880	10-1501	T & W TIRE LLC	FIXED2 FLAT ON UNIT #98	10/2023	1090135044	781.97
24-48942	10-3081	PREMIER TRUCK/ATC FREIGHTLI	REPAIR LEAK IN AIR LINE	10/2023	12094219	2,296.65
24-48948	10-3081	PREMIER TRUCK/ATC FREIGHTLI	POWERSTEERING/INTAKEHEATE	10/2023	12094278	5,498.78
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	496.00
24-48773	10-4010	HARD HAT SAFETY & GLOVE	18 PPE HHS V SHIRTS	10/2023	IN-0065376	144.00
24-48896	10-4010	HARD HAT SAFETY & GLOVE	GLOVES & LINERS	10/2023	IN--065377	124.80
24-48234	10-4012	WASTE CONNECTIONS, INC	LANDFILL FEES	10/2023	30507	22,324.63
24-48235	10-4208	OKLAHOMA CITY TREASURY	HOUSEHOLD HAZARDOUS FEES	10/2023	100923	1,856.50
DEPARTMENT TOTAL:						66,182.57

FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 08.4		PUBLIC WORKS - MAINT				
24-48950	10-005992	AEG PETROLEUM	50/50 ANTIFREEZE	10/2023	832031	162.59
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	412.32
DEPARTMENT TOTAL:						574.91
DEPARTMENT: 12.0		UTILITY - WATER PLANT				
24-48873	10-004725	RUCKER ELECTRIC INCORPORATE	CLARIFER MIXER DRIVE	10/2023	13067	3,948.49
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	630.01
24-48914	10-005373	CARD SERVICES/PI	MISC SUPPLIES	10/2023	4632268	165.13
24-48886	10-0091	BRENNTAG SOUTHWEST INC	2 TOTES OF ALUMINUM SULF	10/2023	BSW496827	2,710.00
24-48922	10-0091	BRENNTAG SOUTHWEST INC	4200 GALS OF BLEACH	10/2023	BSW498071	8,120.59
24-48923	10-0091	BRENNTAG SOUTHWEST INC	2 TOTES OF ALUM SULF	10/2023	BSW498781	2,715.00
24-48764	10-0669	HACH COMPANY	LAB SUPPLIES & CHEMICALS	10/2023	13763334	2,445.45
24-48790	10-0669	HACH COMPANY	DR300 POCKET COLORIMETER	10/2023	13750754	574.45
24-48282	10-1063	OG&E	MNTHLY SVC	10/2023	20231006	21,317.98
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	457.60
24-48949	10-1622	WESTLAKE ACE HARDWARE	CLAMPS & EXTENSION CORDS	10/2023	3503768	40.71
24-48642	10-3042	ACCURATE ENVIRONMENTAL	VOC 7 & 10 AND BAC T'S	10/2023	F127086	300.00
24-48988	10-3196	IMAGENET CONSULTING, LLC	FIREWALL REPLACEMENT	10/2023	INV691783	837.00
24-48837	10-3919	MISSISSIPPI LIME	25 TONS OF LIME	10/2023	1692696	7,995.70
24-48925	10-3919	MISSISSIPPI LIME	25 TONS OF LIME	10/2023	1694102	7,965.51
DEPARTMENT TOTAL:						60,223.62
DEPARTMENT: 12.1		UTILITY - WATER LINE				
24-48914	10-005373	CARD SERVICES/PI	MISC SUPPLIES	10/2023	4632268	27.00
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	575.40
24-48885	10-1622	WESTLAKE ACE HARDWARE	CAPS,VALUES,MISC COMPONEN	10/2023	3503748	64.53
24-48960	10-1622	WESTLAKE ACE HARDWARE	BLADE SAWZAL&GARDENSPRAYE	10/2023	3503773	29.51
24-48839	10-2557	CORE & MAIN LP	3 INCH METER JASPER GARDE	10/2023	T638538	2,718.00
24-48881	10-2557	CORE & MAIN LP	SMART METERS	10/2023	T659287	7,300.00
24-48883	10-2557	CORE & MAIN LP	1 INCH METERx2	10/2023	T662826	978.58
24-48699	10-4010	HARD HAT SAFETY & GLOVE	PPE SHIRTS	10/2023	IN-0065378	40.00
DEPARTMENT TOTAL:						11,733.02

FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 12.2		UTILITY - SEWER				
24-48394	10-005156	COX COMMUNICATIONS INC.	PHONE/INTERNET SVC	10/2023	20230901	314.10
24-48282	10-1063	OG&E	MNTHLY SVC	10/2023	20231006	3,594.53
24-48946	10-1261	RED ROCK PETRO	3500 DIESEL & 4500 UNLEAD	10/2023	1469945	117.80
24-48392	10-2828	UNITED RENTALS (NORTH AMERIBYPASS PUMP		10/2023	223260827-001	1,333.79
24-48615	10-3245	KRAPFF REYNOLDS CONST CO	JET/CAMERA SEWER LINE	10/2023	23201	750.00
DEPARTMENT TOTAL:						6,110.22
DEPARTMENT: 97.0		DEBT SERVICE				
24-48140	10-3436	BANCFIRST	AUG 2013 BOND	10/2023	NOV PYMT	10,748.83
DEPARTMENT TOTAL:						10,748.83
FUND TOTAL:						251,652.77

BETHANY PUBLIC WORKS AUTHORITY

From: Rick Gregory, Public Utilities Superintendent
Date: October 10, 2023
Subject: WTP 24-01 Water Treatment Plant Lime Sludge Extraction, Hauling, and Disposal

BACKGROUND

The specifications for the subject project have been completed. This project will result in the extraction, processing, hauling, and disposal of approximately 14,000 ±500 cubic yards of lime sludge from the north lagoon at the water treatment plant. The sludge is a normal by-product of the water purification process and each of the two lagoons is generally cleaned on a semi-annual basis. The city does not have the space, equipment, or manpower to properly extract, process, haul, or dispose of lime by-product. Staff will continue to seek less costly alternatives for the disposal of this by-product.

Staff wishes to solicit proposals for this project. The proposals would be due October 30, 2023.

RECOMMENDATION

1. Staff recommends approval to go out for bids.

A circular stamp containing the handwritten initials 'dg' in blue ink.

ADDITIONAL COMMENTS



PROJECT SPECIFICATIONS AND BID DOCUMENTS

for

LIME SLUDGE EXCAVATION AND REMOVAL

**BETHANY WATER TREATMENT PLANT
8308 NW 50th STREET
BETHANY, OKLAHOMA**

PROJECT NUMBER WTP 24-01

APPROVAL SHEET

SPECIFICATIONS AND BID DOCUMENTS

For

LIME SLUDGE EXCAVATION AND REMOVAL

PROJECT NUMBER WTP 24-01

APPROVED by the City Council of the City of Bethany, this _____ day of _____, 20____.

Nikki Lloyd
MAYOR

ATTEST:

Lesa Lamar
CITY CLERK

NOTICE TO BIDDERS

Sealed bids will be received by the City of Bethany at the office of the City Clerk, located at Bethany City Hall, 6700 N.W. 36th Street, Bethany, Oklahoma, until 5:00 o'clock p.m., Central Standard Time, on the day of October 30, 2023, for furnishing all labor, equipment, and materials for:

Lime Sludge Excavation & Removal – Project No. WTP 24-01

Bids will be publicly opened and read aloud at 9:00 o'clock a.m. on October 31, 2023 at Bethany City Hall.

Bids received more than ninety-six (96) hours, excluding Saturdays, Sundays, and holidays, before the time set for opening of bids, as well as bids received after the final time set for receipt of bids, will not be considered, and will be returned unopened.

Copies of the general conditions, specifications, and other bidding documents are on file in the above office and are open for public inspection.

Complete sets of general conditions, specifications, and other bidding documents are available by contacting Rick Gregory, Water Treatment Plant Supervisor at 405-789-1421 or by email: Richard.Gregory@bethanyok.org.

The City of Bethany reserves the right to reject any or all bids.

Dated this 17th day of October 2023, by the authority of the Bethany City Council.

City of Bethany
(Name of Agency)

By: _____
CITY CLERK

INFORMATION FOR BIDDERS

1. RECEIPT AND OPENING OF BIDS

The City of Bethany, Oklahoma (herein called the "owner"), invites bids on the form attached hereto. All blanks must be appropriately filled in. Bids will be received by the Owner at the office of the City Clerk until 5:00 o'clock p.m., Central Standard Time, October 30, 2023. Said bids will be publicly opened and read aloud at Bethany City Hall at 9:00 o'clock a.m. on October 31, 2023. The envelopes containing the bids must be sealed, addressed to the Bethany City Clerk at 6700 NW 36th Street, and designated as Bid for Lime Sludge Excavation and Removal; Project No. WTP 24-01. The Owner may reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within 30 days after the actual date of the opening thereof.

2. PREPARATION OF BID

All bids must be made on the required Bid Proposal. All blank spaces for bid prices must be filled in, in ink or typewritten, and the Bid Proposal must be fully completed and executed when submitted. Only one copy of the Bid Proposal is required.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, his address, and the name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to the City Clerk at 6700 NW 36th Street, P.O. Box 219, Bethany, Oklahoma 73008.

3. SUBCONTRACTS

The bidder is specifically advised that any person, firm, or other party to whom it is proposed to award a subcontract under this contract, must be acceptable to the owner.

4. METHOD OF BIDDING

The Owner invites: Lump sum in accordance with the proposal.

5. QUALIFICATIONS OF BIDDER

The Owner may make such investigations as he deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein. Conditional bids will not be accepted.

6. LIQUIDATED DAMAGES FOR FAILURE TO ENTER INTO CONTRACT

The successful bidder, upon his failure or refusal to execute and deliver the contract and bonds required within ten (10) days after he has received notice of the acceptance of his bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his bid.

7. TIME OF COMPLETION AND LIQUIDATED DAMAGES

Bidder must agree to commence work on or before a date to be specified in a written "Notice to Proceed" of the Owner and to fully complete the project within sixty (60) calendar days thereafter. Bidder must agree also to pay as liquidated damages, the amount as herein provided in the General Provisions.

8. CONDITIONS OF WORK

Each bidder must inform himself fully of the conditions relating to the constructing of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract. Insofar as possible the contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of or interference with the work of any other contractor.

9. SECURITY FOR FAITHFUL PERFORMANCE

Simultaneously with his delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner. **These bonding requirements apply only to contracts greater than \$50,000.**

10. POWER OF ATTORNEY

Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.

11. NOTICE OF SPECIAL CONDITIONS

Attention is particularly called to those parts of the contract documents and specifications which deal with the following:

(a) Insurance requirements

12. LAWS AND REGULATIONS

The bidder's attention is directed to the fact that all applicable State Laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

13. METHOD OF AWARD - LOWEST QUALIFIED BIDDER

If at the time this contract is to be awarded, the lowest bid or bids does not exceed the amount of funds available to finance the entire contract, the entire contract will be awarded. If the bids exceed such amount, the owner may reject any or all bids or may award contracts for one or more sections based on funds available.

A conditional or qualified BID will not be accepted.

Award will be made to the lowest responsible and responsive BIDDER.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout.

When alternate BIDS are taken, they will be listed in numerical order with the highest priority being number one, second, number two, etc.

When alternates are used, the low BIDDERS will be selected by the lowest and best BID considering all BIDS which include the selected alternate BIDS.

The alternates will be listed in consecutive priority order to remain with the funds available for the project.

The low BIDDER shall supply the names and addresses of major material SUPPLIERS and SUBCONTRACTORS when required to do so by the OWNER.

14. OBLIGATION OF BIDDER

At the time of the opening of bids each bidder will be presumed to have inspected the site and to have reviewed and be thoroughly familiar with the plans and contract documents (including all addenda). Bidders must satisfy themselves of the accuracy of the estimated quantities in the Bid schedule by examination of the site and a review of the drawings and specifications including addenda. The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect to his bid. After bids have been submitted, the Bidder shall not assert that there was a misunderstanding concerning the quantities of work or of the nature of the work to be done.

15. PRE-BID CONFERENCE AND FIELD INSPECTION

No Pre-Bid Conference will be held. The contractor will conduct field inspections on his own to satisfy himself as to the conditions in the project area.

16. TIME OF ESSENCE

The time of essence shall be part of the contract, but shall not be a method by which a refund can be requested or received for this contract. The days noted in the time of essence document will be the number of days designated in these specifications. The sum of money in the time of essence document shall be as provided in the General Provisions.

17. NOTICE OF AWARD

The party to whom the contract is awarded will be required to execute the Agreement and obtain the PERFORMANCE BOND AND STATUTORY BOND within ten (10) calendar days from the date when NOTICE OF AWARD is delivered to the BIDDER. The NOTICE OF AWARD shall be accompanied by the necessary AGREEMENT and BOND forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER.

The OWNER, within ten (10) days of receipt of acceptable PERFORMANCE BOND, STATUTORY BOND and AGREEMENT signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw the signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The bond requirements of this section apply only to contracts greater than \$50,000.

18. NOTICE TO PROCEED

The NOTICE TO PROCEED shall be issued within ten (10) days of the execution of the Agreement by the OWNER. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period, the time may be extended by mutual agreement between the OWNER AND CONTRACTOR. If the NOTICE TO PROCEED has not be issued within the ten (10) day period or within the period mutually agreed upon, the CONTRACTOR may terminate the Agreement without further liability on the part of either party.

20. OWNER OBLIGATION

The OWNER shall provide to BIDDERS prior to BIDDING, all information which is pertinent to, and delineates and describes, the land owned and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other

person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve the contractor from fulfilling any of the conditions of the contract.

21. SPECIAL NOTE TO BIDDERS:

As a part of the bid on this project, the successful bidder will be required to meet all requirements of the Underground Facilities Damage Prevention Act when engaged in work within the public right-of-way in the same manner as in private right-of-way.

22. SALES TAX EXEMPTION

All materials and supplies used in this project are exempt from state and local sales tax. No sales tax shall be included in the bid for this project. The City shall have the right to audit all invoices for materials and supplies used in this job prior to final payment to contractor to assure compliance with this section. Contractor shall furnish to the Authority the necessary information to have itself appointed purchasing agent of the Authority for its project.

DIVISION I: SPECIAL PROVISIONS

101.01 GENERAL

Work in general consists of furnishing all labor, equipment and materials required for the Lime Sludge Excavation and Removal: Project Number WTP 24-01.

101.02 CITY STANDARD SPECIFICATIONS

All construction shall comply with current Bethany City Standard details and specifications.

101.03 MAINTENANCE BOND

A maintenance bond of \$3,000.00 will be required for the removal of any and all Lime sludge that may get deposited on local roads/ highways during the transportation process by the contractor.

101.04 EXPERIENCED CONTRACTOR

It will be assumed that the successful bidder is a contractor who is thoroughly competent and who is familiar with this type of work. If the bidding contractor has not previously done work for the City of Bethany or is not pre-qualified with the City of Bethany, it may be necessary for the bidder to complete the "Statement of Bidder" form.

101.05 DAMAGE TO PROPERTY

The Contractor shall exercise great care in performing the work to prevent damage to any structure. Any damage to structures or to any public, private or utility property shall be repaired or replaced by the Contractor at his own expense, to the Satisfaction of the City Engineer.

101.06 GRADING AND CLEANING OF GROUNDS

The area where the construction work has been performed shall be left in a neat and workman like condition. The Contractor shall dispose of all excess excavated material, broken concrete and pavement at his expense at a site suitable to the City Engineer.

101.07 TIME AND ORDER OF WORK

The work shall be commenced within ten (10) days from date on which a work order is issued and completed within the time specified in the contract documents.

101.08 COMPLIANCE WITH LAWS AND ORDINANCES

The Contractor shall comply with all State and Federal laws applying to the work and shall also comply with all of the ordinances of The City of Bethany, Oklahoma.

101.09 HAZARDS

In preparing his bid, each Contractor shall take into consideration the interference of all surface, subsurface and overhead structures, and all hazards of whatever nature or character that might occur during the life of the contract. If, in the prosecution of the work, difficulties of any nature be encountered which are not indicated or suggested by the plans or specifications, the Contractor shall take every precaution necessary to overcome the unforeseen difficulty and shall support, maintain, protect or adjust the additional or different surface, subsurface, or overhead structure as directed by the Engineer. No additional compensation will be allowed, due to any interference or hazard whether shown or not shown on the plans and whether or not mentioned in the specifications.

101.10 WAGE RATE

NO FEDERAL WAGE RATES APPLY TO THIS PROJECT.

101.11 RETAINAGE

After the project is over fifty percent (50%) complete, the ten percent (10%) retainage may be reduced to five percent (5%), if the City finds that satisfactory progress is being made, according to the construction schedule.

101.12 CLEARING AND GRUBBING

Clearing and grubbing shall consist of the removal of all trees, bushes, stumps, pavements, and unsatisfactory material lying within the construction limits. All taproots and other projections shall be removed to a depth of at least 18 inches below the finish grade. Any AC or PC concrete obstructions shall be removed to a depth of at least 2 feet below the finish grade. The removal of shrubs, hedges, bushes, fences, etc., and other obstructions not listed separately as a Contract Pay Item, will not be paid for directly as such, but shall be considered incidental work, and the cost shall be included in such Contract prices as are provided for pay. Contractor shall be responsible for removing and resetting all existing fences in a condition equal to or better than those existing at the time of construction.

101.13 PROTECTION OF EXISTING STRUCTURES

The contractor shall use every necessary precaution to prevent damage to all trees, shrubs, fences, sidewalks, driveways, pavements, etc., which lie on any property that is not in the construction limits. If fences or other privately owned property is damaged or moved in the course of construction, it shall be replaced in equal or better than original condition. These items are considered incidental work and paid for under other items.

101.14 ADJUSTMENT OF EXISTING STRUCTURES

This work shall consist of the necessary adjustments, alterations, relocating or resetting to the required grade and alignment of existing structures, equipment or appurtenances which are not to be removed or abandoned and which are not the property of a private company, firm or corporation required to move their own property, in accordance with these specifications and reasonably close conformity with the lines, grades, elevations, and dimensions shown on the plans or established by the Engineer.

101.15 SANITARY SEWER LINES AND MANHOLES, WATER LINES AND VALVES

When the alteration is a part of the work to be performed by the Contractor as a part of this contract, such work shall be done in conformity with the requirements of the City of Bethany for new work of this type. The cost shall be included in cost of other items, unless otherwise shown in the detailed proposal.

101.16 REMOVAL OF OBSTRUCTIONS

This work shall consist of the removal, wholly or in part, and satisfactory disposal of all building, fences, structures, old pavements, abandoned pipe line, and other obstructions which are not designated or permitted to remain, except for obstructions to be removed and disposed of under other items in the Contract. It shall also include the salvaging of the designated materials and backfilling the resulting trenches, holes and pits. When the proposal does not include pay items for removal of structures and obstructions or plugging abandoned pipelines, the cost of same shall be incidental work which shall not be paid separately, but shall be included in unit prices bid for other items.

101.17 INCIDENTAL WORK

Any item not covered in the Standard Specifications or in these special provisions and shown in the summary of quantities shall be considered incidental construction for which the Contractor is responsible, but shall not receive additional payment.

101.18 TESTING

No testing will be required as part of this project.

101.19 PERMITS AND LICENSES

Since the City of Bethany employs the contract, permits will not be required. The City of Bethany will license the contract.

101.20 CONSTRUCTION WATER

The contractor will not be required to pay for water supplied by the City for use on this project.

101.21 TRAFFIC CONTROL

During the project the contractor will furnish and maintain traffic control device in accordance with the last publication of the "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". A minimum of one (1) lane of traffic will be maintained during the construction.

DIVISION II

GENERAL PROVISIONS

SECTION 201 - DEFINITION OF TERMS

201.01 DEFINITIONS

Wherever the words, forms or phrases herein defined, or pronouns used in their stead, occur in these specifications, in the contract or in the advertisement or any document or instrument herein contemplated or to which these specifications apply, the intent and meaning shall be interpreted as follows:

A.A.S.H.O. The American Association of State Highway Officials.

Advertisement. All of the legal publications pertaining to the work contemplated or under contract.

A.S.T.M. The American Society for Testing Materials.

Attorney The Attorney for the City of Bethany.

Award. The decision of the City to accept the proposal of the lowest and best bidder for the work, subject to the execution and approval of a satisfactory contract and the required bonds therefor, and to such other conditions as may be specified or otherwise required by law.

Bidder Any person or persons, partnership, company, firm or corporation acting directly or through a duly authorized representative submitting a proposal for the work contemplated.

City Council The duly elected City Council of the City of Bethany.

City Manager. The City Manager of the City of Bethany.

City Clerk The City Clerk of the City of Bethany, or his duly authorized assistants or agents.

Construction Bond. The approved form of security furnished by the contractor and his surety as a guarantee of good faith on the part of the contractor to execute the work in accordance with the plans, specifications and terms of the contract.

Contract. The written agreement covering the performance of the work. The contract includes the Advertisement and Notice to Contractors, Proposal, Bonds, Specifications, including Special Provisions, Plans or working drawings and any supplemental agreement pertaining to the work or materials therefor.

Contractor The person or persons, partnership, company, firm or corporation entering into contract for the execution of the work, acting directly or through a duly authorized representative.

Engineer Bethany City Engineer, his duly authorized agents, assistants, inspectors, or superintendents, acting severally within the scope of the particular duties entrusted to them in connection with the contract.

Furnish To supply.

Maintenance BondThe approved form of security furnished by the contractor and his surety as a guarantee that he will maintain the work constructed by him in good condition for the period of time required.

Plan or Plans All of the drawings pertaining to the contract and made a part thereof, including such supplementary drawings as the Engineer may issue from time to time, in order to elucidate other drawings or for the purpose of showing changes in the work as authorized under the Section, "Changes and Alterations", or for showing details not shown thereon.

Proposal The written statement or statements, duly filed with the City Clerk, of the person or persons, partnership, company, firm, or corporation proposing to do the work contemplated.

Proposal Form The approved form on which the formal bids for the work are to be prepared and submitted.

Proposal Guaranty The security, designated in the "Proposal Form" and in the "Advertisement", to be furnished by the bidder as a guarantee of good faith to enter into contract with the City and to execute the required bonds for the work contemplated after the work is awarded to him.

Provide To furnish and erect or install.

Special ProvisionsThe special clauses setting forth conditions or requirements peculiar to the specific project involved, supplementing the Standard Specifications and taking precedence over any conditions or requirements of the Standard Specifications with which they are in conflict.

SpecificationsThe directions, provisions and requirements contained herein, together with the "Special Provisions" supplemental hereto, pertaining to the method and manner of performing the work or to the quantities or qualities of materials to be furnished under the contract.

Statutory BondThe approved form of surety set up and furnished by the contractor and his surety as a guarantee that he will pay, in full, all bills and accounts for materials and labor used in the construction of the work, as provided by law.

Surety or SuretiesThe corporate body which is bound by such bonds as are required with and for the contractor, and engages to be responsible for the entire and satisfactory fulfillment of the contract and for any and all requirements as set out in the specifications, contract or plans.

The Work All work, including the furnishing of labor, materials, tools, equipment and incidentals, to be performed by the contractor under the terms of the contract.

Working Day Any day, other than a legal holiday, Saturday or Sunday, on which the approximate normal working forces of the contractor may proceed with regular work in a manner satisfactory to the Engineer for at least six (6) hours, toward completion of the work, unless work to be suspended for causes beyond the contractor's control, provided that Sundays and holidays on which the contractor's forces do engage in regular work will be considered working days.

SECTION 202 PROPOSAL REQUIREMENTS AND CONDITIONS

202.01 CONTENTS OF PROPOSAL FORM

The City will furnish bidders with proposal forms which will state the general location and description of the contemplated work and which will contain a list of the items of work to be done or materials to be furnished and upon which bid prices are asked. The proposal form will state the time limits for commencing and for completing the work and will provide for entering the amount of the proposal guaranty. The proposal form will contain a non-collusion affidavit.

202.02 INTERPRETATION OF PLANS AND SPECIFICATIONS

If any person contemplating submitting a bid for the proposed contract is in doubt as to the true meaning of any part of the plans, specifications or other proposed contract documents, he may submit to the Engineer a written request for an interpretation thereof. The person submitting such request will be responsible for its prompt delivery. An interpretation of the proposed documents will be made only by addendum duly issued and a copy of such addendum will be mailed or delivered to each person receiving a set of such documents. The City will not be responsible for any other explanations or interpretations of the proposed documents.

202.03 EXAMINATION OF DOCUMENTS AND SITE OF WORK

Bidders are required, prior to submitting any proposal, to read carefully the specifications, the proposal, contract and bond forms; to examine carefully all plans on file with the City Clerk; to visit the site of the work; to examine carefully local conditions; to inform themselves by their independent research of the difficulties to be encountered and judge for themselves of the accessibility of the work and all attending circumstances affecting the cost of doing the work or the time required for its completion and obtain all information required to make an intelligent proposal. Bidders shall rely exclusively upon their own estimates, investigations and other data which are necessary for full and complete information upon which the proposal may be based. It is mutually agreed that submission of a proposal will be evidence that the bidder has made the examinations and investigations required herein.

202.04 PREPARATION OF PROPOSAL

The bidder shall submit his proposal on the forms furnished by the City or the Engineer. All blank spaces in the proposal forms shall be correctly filled in and the bidder shall state the prices, written in ink, both in words and numerals, for which he proposed to, do the work contemplated or furnish the materials required. Such prices shall be written distinctly legible. In case of conflict between words and numerals, the words shall govern. If the proposal is submitted by an individual, his name must be signed by him or his duly authorized agent and his post office address given. If the proposal is submitted by a firm or partnership, the name and post office address of each member must be given and the proposal signed by a member of the firm or partnership as a person duly authorized. If the proposal is made by a company or corporation, the company or corporate name and the state under the laws of which said company or corporation is chartered and the business address must be given and one proposal signed by an official or agent duly authorized. Powers of Attorney, authorizing agents or others to sign proposals must be properly certified and must be in writing and on file with the City Clerk.

202.05 PROPOSAL AFFIDAVIT

Each proposal or copy thereof shall be accompanied by a sworn statement in writing that the person signing the proposal executed said proposal in behalf of the bidder therein named and that he had lawful authority so to do and that said bidder has not directly or indirectly entered into any agreement, express or implied, with any other bidder or bidders having for its object the controlling of the amount of such bid or any bids, the limiting of the bids or bidders, the parceling or farming out to any bidder or bidders or other persons of any part of the contract or any bid or the subject matter of the bid or of the profits thereof, and that he has not and will not divulge said sealed bid to any person whatever except those having a partnership or other financial interest with him in said bid, until after the said bids are opened.

202.06 PROPOSAL GUARANTY

Proposals will not be considered unless the original filed with the City Clerk is accompanied by a certified or cashier's check, cash, Certificate of Deposit, or Irrevocable Letter of Credit, in the required amount, made payable to the City Clerk of the City of Bethany. The check shall be in the amount as designated in the Advertisement. The proposal guaranty is required as evidence of good faith and as a guarantee that, if awarded the contract, the bidder will execute the contract and furnish the required bonds within the required time. A bid bond is acceptable for surety.

The proposal guaranty will not be required for bids less than \$50,000.

202.07 FILING OF PROPOSALS

No proposal will be considered by the City unless it is filed in a sealed envelope with the City Clerk in his office in the City Hall, Bethany, Oklahoma, within the time limit for receiving proposals, as stated in the Advertisement. Each proposal shall be plainly marked on the envelope with the word "Proposal" and the name of the project.

202.08 WITHDRAWAL OF PROPOSALS

Permission will not be granted to withdraw or modify any proposal after it has been filed and before the time set for opening proposals. Request for non-consideration of proposals must be made in writing, addressed to the City Council, and filed with the City Clerk before the time set for opening proposals. After other proposals are opened and read, the proposal for which withdrawal is properly requested will be returned unopened.

202.09 OPENING OF PROPOSALS

The proposals filed with the City Clerk will be opened in the presence of the City Council at the time stated in the Advertisement and shall thereafter remain on file in the office of said City Clerk forty-eight (48) hours before any contract will be entered into, based on such proposals. Bidders are invited to attend the meeting of the City Council at the time set for opening proposals.

202.10 IRREGULAR PROPOSALS

Proposals will be considered irregular if they show any omissions, alterations of forms, additions or conditions not called for, unauthorized alternate bids or irregularities of any kind. However, the City reserves the right to waive technicalities as to changes, alterations or reservations and make the award in the best interests of the City.

202.11 REJECTION OF PROPOSALS

The City reserves the right to reject any or all proposals, and all proposals submitted are subject to this reservation. Proposals may be rejected for any of the following specific reasons:

- (a) Proposal received after the time limit for receiving proposals as stated in the Advertisement.
- (b) Proposal prices obviously unbalanced.
- (c) Summation of proposal prices on any one project above the Engineer's estimate of cost for such project.
- (d) Proposal containing any irregularities.

202.12 DISQUALIFICATION OF BIDDERS

Bidders will be disqualified and their proposals not considered for any of the following specific reasons:

- (a) Where more than one proposal for an individual, firm, partnership or corporation is filed under the same or different names and where such proposals are not identical in every respect.
- (b) Reasonable grounds for believing that any bidder is interested in more than one proposal for the work contemplated or materials to be furnished.
- (c) Reason for believing that collusion exists among the bidders.
- (d) The bidder being in arrears on any existing contracts, interested in any litigation against the City or having defaulted on a previous contract.
- (e) Lack of competency, as revealed by the financial statement, experience and equipment questionnaires, etc.
- (f) Uncompleted work which, in the judgment of the City, will hinder or prevent the prompt completion of additional work, if awarded.

SECTION 203 - AWARD AND EXECUTION OF CONTRACT

203.01 CONSIDERATION OF PROPOSALS

After the proposals are opened, those proposals containing unit prices will be tabulated for comparison on the basis of the quantities shown in the approximate estimate. Until the final award of the contract, the City reserves the right to reject any or all proposals, to waive technicalities and to advertise for new proposals or proceed to do the work otherwise when the best interests of the City will be promoted thereby.

203.02 AWARD OF CONTRACT

The City reserves the right to withhold the award of the contract for a reasonable period of time from the date of opening the proposals and no award will be made until the necessary investigations are made as to the reasonability of the low bidder. No contract will be awarded until at least forty-eight (48) hours after opening the proposals. The awarding of the contract shall give the bidder no right of action or claim against the City upon such contract until the execution of the contract shall have been completed and the contract delivered to the contractor. The City Council reserves the right to award all or any portion or portions of the work.

203.03 RETURN OF PROPOSAL GUARANTY

As soon as the proposal prices have been compared, the City may, at its discretion return the proposal guaranties accompanying those proposals which, in its judgment, would not be considered in making the award. After the award is made, only the successful bidder's check will be retained until the required contract and bonds have been executed, after which it will be returned to the bidder. Should the awarding of the contract be delayed more than thirty (30) days, all bidder's checks will be returned, unless such delay is from causes beyond the control of the City, and in such event, the proposal and bidder's check, of any bidder, will be returned at the bidder's option. Proposal guaranty is only required for bids over \$50,000.

203.04 SURETY BONDS

With the execution and delivery of the contract, the contractor shall furnish and file with the City in the amounts required, the following surety bonds:

- (a) A good and sufficient Construction Bond in an amount equal to one hundred (100%) percent of the approximate total amount of the contract, guaranteeing the full and faithful execution of the work and performance of the contract and for the protection of the City and all property owners interested against any damage by reason of negligence of the contractor, or the improper execution of the work or the use of inferior materials.
- (b) A good and sufficient Statutory Bond in an amount equal to one hundred (100%) percent of the approximate total amount of the contract, guaranteeing payment for all labor, materials and equipment used in the construction of the improvement.
- (c) A Maintenance Bond in an amount equal to one hundred (100%) percent of the total amount of the contract, guaranteeing the maintenance in good condition of such improvements for the first year period, and after the time of the completion and acceptance by the City of said Improvements.

No surety will be accepted who is now in default or delinquent on any bond or who is interested in any litigation against the City. All bonds shall be made on forms furnished by the City and shall be executed by surety companies licensed to do business in the State of Oklahoma and who are accepted to the City Council. Each bond shall be executed by the contractor and the surety.

Should any surety on the contract be determined unsatisfactory at any time by the City Council, notice will be given to the contractor to the effect, and the contract shall forthwith substitute a new surety or sureties satisfactory to the City Council.

The contract shall not be operative until approval of the bonds has been made by the City Council.

These bonding requirements apply only to contracts greater than \$50,000.

203.05 EXECUTION OF CONTRACT

The person or persons, partnership, company, firm or corporation to whom a contract is awarded shall within seven (7) days after such award sign the necessary agreements entering into the required contract with the City and execute and deliver the required bonds.

No contract shall be binding on the City until it has been approved by the Attorney, executed by the City and delivered to the contractor.

203.06 FAILURE TO EXECUTE CONTRACT

Upon failure of the bidder to execute the required bonds or to sign the required contract within seven (7) days after the contract is awarded, he will be considered to have abandoned his proposal and the City may annul the award. By reason of the uncertainty of market prices of the materials and labor and it being impracticable and extremely difficult to fix the amount of damages to which the City would be put by reason of said bidder's failure to execute said bonds and contract within seven (7) days, the proposal guaranty accompanying the proposal shall be the agreed amount of damages which the City will suffer by reason of such failure on the part of the bidder and shall thereupon be retained by the City as liquidated damages. The filing of a proposal will be considered as an acceptance of this provision.

SECTION 204 - SCOPE OF WORK

204.01 INTENT OF PLANS AND SPECIFICATIONS

The intent of the plans and specifications is to prescribe a complete work or improvement which the contractor undertakes to do, in full compliance with the plans, specifications, special provisions, proposal, and contract. The contractor shall do all work as provided in the plans, special provisions, specifications, proposal and contract and shall do such additional extra and incidental work as may be considered necessary to complete the work in a satisfactory and acceptable manner. He shall furnish all labor, materials, tools, equipment and incidentals necessary to the prosecution of the work, unless otherwise specified.

204.02 SPECIAL PROVISIONS

Should any work or any conditions which are not thoroughly or satisfactorily stipulated or covered by the general or standard specifications be anticipated on any proposed work, "Special Provisions" for such work may be prepared and shall be considered as a part of the specifications and contract.

204.03 INCREASED OR DECREASED QUANTITIES OF WORK

The City reserves the right to alter the quantities of the work to be performed or to extend or shorten the improvement at any time when and as found necessary, and the contractor shall perform the work as altered, increased or decreased, at the contract unit price. No allowance will be made for any change in anticipated profits nor shall such changes be considered as waiving or invalidating any condition or provisions of the contract.

This provision shall not be so construed as to permit the contractor to perform additional work not included or contemplated in the original proposal.

204.04 ALTERATIONS OF PLANS AND SPECIFICATIONS

The City reserves the right to make such changes in the plans and in the character of the work as may be necessary or desirable to insure completion of the work in the most satisfactory manner, provided such changes do not materially alter the original plans and specifications or change the general nature of the work as a whole. Such changes shall not be considered as waiving or invalidating any condition or provision of the contract.

204.05 EXTRA WORK

When any work is necessary to the proper completion of the project for which no prices are provided in the proposal or contract, the contractor shall do such work, but only when and as ordered in writing by the Engineer and with prior approval of the City Council. Payment for extra work will be made as hereinafter provided.

204.06 FINAL CLEANING UP

Upon completion of the work and before acceptance and final payment will be made, the contractor shall clean and remove from the site of the work surplus and discarded materials, temporary structures, stumps or portions of trees and debris of any kind. He shall leave the site of the work in a neat and orderly condition. Waste materials removed from the site of the work shall be disposed of at locations satisfactory to the Engineer.

SECTION 205 - CONTROL OF THE WORK AND MATERIALS

205.01 AUTHORITY OF ENGINEER

All work shall be done under the supervision of the Engineer and to his satisfaction. He shall decide all questions which arise as to the quality and acceptability of materials furnished, work performed, manner of performance, rate of progress of the work, interpretation of the plans and specifications, acceptable fulfillment of the contract, compensation, mutual rights between contractors under these specifications and suspension of work. The Engineer shall have the right to establish any sequence or priority of operation in the interest of desirable cooperation with other work. He shall determine the amount and quality of work performed and materials furnished and his decisions and estimates shall be final. His estimate in such event shall be a condition precedent to the right of the contractor to receive money due him under the contract.

The authority of the Engineer shall not be construed to include the authority to waive, revise or modify specifications as herein set forth either as to kind, type or quality of materials or manner or quality of construction.

205.02 DETAIL SHOP AND WORKING DRAWINGS FURNISHED BY CONTRACTOR

The contractor shall submit to the Engineer for approval such additional shop and working drawings of structures or equipment as may be required, and, prior to the approval of such drawings by the Engineer, and work done or materials ordered shall be at the contractor's risk. The contract price shall include the cost of furnishing such drawings. **It is not anticipated that any shop or working drawings will be required by this contract.**

205.03 CONFORMITY WITH PLANS. ALLOWABLE DEVIATIONS

All work shall conform to the lines, grades, cross-sections and dimensions shown on the plans. All deviations from the plans will be accomplished by change orders prepared by the Engineer. All change orders shall be in writing and shall, except in case of emergency, be approved by the City Council before the work is commenced. Where an actual emergency exists, wherein the delay caused by submitting the change order to the City Council for approval would jeopardize the interest of the City or the public, the Engineer may approve the change order in writing. However, change orders approved by the Engineer under the circumstances outlined above shall be submitted to the City Council for consideration at their next regular meeting. Three copies shall be furnished to the City and two copies shall be furnished to the contractor of all change orders approved by the Engineer. Change orders submitted to the City Council for

approval shall bear the approval of the Engineer and shall be prepared in six (6) copies, distribution as follows:

Three (3) copies to the City
Two (2) copies to the Contractor
One (1) copy to the Engineer

Change orders shall include the following:

1. Complete detail of the work contemplated.
2. Estimated cost of the work as originally planned and as contemplated by the change order.
3. Complete justification.
4. Statement as to whether the prices shown are contract bid prices or agreed prices.
5. Statement by the contractor that he is willing to perform the work at the prices shown.

205.04 EXISTING STRUCTURES NOT SHOWN ON PLANS

There are no plans associated with this contract. The City assumes no responsibility for failure to show any or all structures on the plans or to show them in their exact location. It is mutually agreed such failure will not be considered sufficient basis for claims for extra work or for increasing the pay quantities in any manner whatsoever, unless the obstruction encountered is such as to necessitate substantial changes in the lines or grades or requires the building of a special structure, provision for which is not made in the plans, in which case the provisions in these specifications for "Extra Work", will apply.

205.05 COORDINATION OF PLANS, SPECIFICATIONS, PROPOSAL AND SPECIAL PROVISIONS

These specifications, the proposal, Special Provisions and all supplementary documents are intended to describe a complete work and are essential parts of the contract. A requirement occurring in any of them is binding. In case of discrepancies, figured dimensions shall govern over scaled dimensions; plans shall govern over specifications; Special Provisions shall govern over both General and Standard Specifications, and the plans and quantities shown on the plans shall govern over those shown in the proposal. The contractor shall take no advantage of any apparent error or omission in the plans and specifications, and the Engineer shall be permitted to make such corrections or interpretations as may be deemed necessary for the fulfillment of the intent of the plans and specifications. In the event the contractor discovers any apparent error or discrepancy, he shall immediately call such error or discrepancy to the attention of the Engineer.

205.06 COOPERATION OF CONTRACTOR

Three (3) sets of specifications will be furnished the contractor as follows: One office copy, one for the Field Superintendent, and one copy for job use. The contractor, however, shall have a set of specifications available at all points where a separate construction crew is working.

The contractor shall give to the work the consistent attention necessary to facilitate the program thereof, and he shall cooperate with the Engineer and his inspectors and with other contractors in every way possible. The contractor shall provide a competent superintendent on the work at all times who is fully authorized as his agent on the work. Such superintendent shall be capable of reading and thoroughly understanding the plans and specifications and shall receive and fulfill instructions from the Engineer or his representative. The contractor and his superintendent shall provide all reasonable facilities to enable the Engineer and his inspectors to inspect the workmanship and materials entering into the work.

205.07 CONSTRUCTION STAKES

The Contractor shall provide all control to follow all lines, grades, and measurement necessary to carry out the project as per the specifications. Any necessary construction control shall be established by a Licensed Professional Engineer or Land Surveyor licensed to practice in the State of Oklahoma.

205.08 MEASUREMENTS

Before ordering any material or doing any work, the contractor shall verify all measurements involved and shall be responsible for the correctness of same. No extra charge or compensation will be allowed on account of difference between actual dimensions and the measurements indicated on the drawings, and any difference which may be found shall be submitted to the Engineer for consideration before proceeding with the work.

205.09 SOURCE OF SUPPLY AND QUALITY OF MATERIALS

The contractor shall not start delivery of materials until the Engineer has approved the source of supply. Only materials conforming to the requirements of these specifications shall be used in the work and such materials shall be used only after written approval has been given by the Engineer and only so long as the quality of said materials remains equal to the requirements of the specifications. The contractor shall furnish approved materials from other sources, if, for any reason, the product from any source at any time before commencing or during the prosecution of the work proves unacceptable. After approval, any material which has become mixed with or coated by dirt or any other foreign substances during its delivery and handling shall not be used in the work.

205.10 MATERIALS AND WORKMANSHIP

The contractor shall submit samples of materials, finish, appliances, etc., when required by the Engineer, and all such samples must be approved by the Engineer in writing before the work is executed and work shall conform in all respects to the approved samples. Any work which does not conform to the approved samples will be rejected, and shall be removed and replaced by work that does so conform.

205.11 SAMPLES AND TESTS OF MATERIALS

Where, in the opinion of the Engineer, or called for in the specifications, tests of materials are necessary, such tests shall be made by and at the expense of the City, unless otherwise provided in the Special Provisions. Tests, unless otherwise specified, are to be made in accordance with the latest standard methods of the American Society for Testing Materials. The contractor shall provide such facilities as the Engineer may require for collecting and forwarding samples and shall not use the materials represented by the samples until tests have been made and approved by the designated Engineer or testing laboratory. The contractor, in all cases shall furnish the required samples without charge. All tests shall be made by a laboratory designated by the City. Testing shall be done only on the written order of the Engineer on Test Order Forms provided by the City; unless otherwise provided in the Special Provisions or in the Material Details nothing in these specifications shall be construed as requiring a special number of tests to be made.

205.12 STORAGE OF MATERIALS

Materials shall be stored so as to insure the preservation of their quality and fitness for the work. When directed by the Engineer they shall be placed on wooden platforms or other hard, clean surfaces and not on the ground, and shall be placed under cover when directed. Stored materials shall be located so as to facilitate prompt inspection.

205.13 INSPECTION

The contractor shall furnish the Engineer with every reasonable facility for ascertaining whether or not the work as performed is in accordance with the requirements and intent of the plans and specifications. If the Engineer requires, the contractor shall at any time before acceptance of the work, remove and uncover such portions of the finished work as may be directed, for inspection. After inspection, the contractor shall restore said portions of the work to the condition required by the specifications.

Should the work thus exposed on examination prove acceptable, the cost of uncovering or removing and the replacing of the covering or making good the parts removed will be paid for as "Extra Work". Should the work so exposed or examined prove unacceptable, the cost of covering or removing and the replacing of the covering or making good of the parts removed shall be at the contractor's expense, provided that where ample notice of the intention to complete or cover up the work was not given by the contractor to the Engineer, then the cost of the uncovering or removing and the replacing of the covering or making good of the parts removed shall be borne by the contractor regardless of whether or not the work examined proved acceptable or unacceptable. Any work done or materials used without suitable supervision or inspection by the Engineer may be ordered removed and replaced at the contractor's expense.

205.14 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK

All work which has been rejected or condemned shall be repaired, or, if it cannot be satisfactorily repaired, it shall be removed and replaced at the contractor's expense. Defective materials shall be removed immediately from the site of the work.

Work done without lines and grades having been given, work done beyond the lines or not in conformity with the grades shown on the plans or as given, save as herein provided, work done without proper inspection or any extra or unclassified work done without written authority and prior agreement in writing as to prices, will be done at the contractor's risk and will be considered unauthorized, and, at the option of the Engineer, may not be measured and paid for and may be ordered removed at the contractor's expense.

Upon failure of the contractor to satisfactorily repair or to remove and replace, if so directed, any rejected, unauthorized or condemned work or materials immediately after receiving notice from the Engineer, the Engineer, after giving written notice to the contractor, shall have the authority to cause defective work to be remedied or removed and replaced or to cause unauthorized work to be removed and to deduct the cost thereof from any compensation due or to become due the contractor. If the Engineer and City deem it inexpedient to correct the work injured or done not in accordance with the contract, an equitable deduction from the contract price shall be made therefor.

205.15 CORRECTION OF WORK AFTER FINAL PAYMENT

Neither the final certificate nor payment nor any provision in the Contract Documents shall relieve the contractor of responsibility for faulty materials or workmanship and, unless otherwise specified, he shall remedy any defects due thereto and pay for any damage to other work resulting therefrom. The City shall give notice of observed defects with reasonable promptness.

205.16 FINAL INSPECTION

The Engineer shall make final inspection of all work included in the contract or any portion thereof as soon as practicable after the work is completed and ready for acceptance. If the work is not acceptable to the Engineer at the time of each inspection, he shall inform the contractor as to the particular defects to be remedied before final acceptance can be made.

SECTION 206

LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

206.01 LAWS TO BE OBSERVED

The contractor shall, at all times, observe and comply with all Federal and State Laws and City ordinances and regulations which in any manner affect the conduct of the work and shall observe and comply with all orders and decrees which exist at the present or which may be enacted later, of bodies or tribunals having jurisdiction or authority over the work, and no plea of misunderstanding or ignorance thereof will be considered. The contractor and his surety shall defend, indemnify and save harmless the City and all its officers, agents, employees and servants against any claims or liabilities arising from or based on the violation of any such law, ordinance, regulation, order or decree, whether by himself or by his employees.

206.02 PERMITS AND LICENSES

The contractor shall procure all permits and licenses, pay all charges or fees, and give all notices necessary and incidental to the due and lawful prosecution of the work except those established by ordinances in connection with paving removal and replacement.

206.03 PATENTED DEVICES, MATERIALS AND PROCESSES

If the contractor is required or desires to use any design, device, material or process covered by letters, patent or copyright, he shall provide for such use by suitable legal agreement with the patentee or owner. It is mutually understood and agreed that without exception the contract prices shall include all royalties, license fees, or costs arising from patents, trademarks and copyrights in any way involved in the work. The contractor and the surety shall defend, indemnify and save harmless the City and all its officers, agents and employees from all suits, actions or claims of any character, name and description brought for or on account of infringement or alleged infringement by reason of the use of any such patented design, device, material or process or any trademark or copyright used in connection with the work agreed to be performed under this contract, and shall indemnify the City for any cost, expense or damage which it may be obliged to pay by reason of any action or actions, suit or suits which may be commenced against the City for any such infringement or alleged infringement at any time during the prosecution or after the completion of the work contracted for herein. It is mutually agreed that the City may give written notice of any such suit to the contractor, and thereafter the contractor shall attend to the defense of the same and save and keep harmless the City from all expense, counsel fees, cost liabilities, disbursements, recoveries, judgments and executions in any manner growing out of, pertaining to or connected therewith.

206.04 SANITARY PROVISIONS

The contractor shall establish and enforce among his employees such regulations in regard to cleanliness and the disposal of garbage and waste as will tend to prevent the inception and spread of contagious or infectious diseases and to effectively prevent the creation of a nuisance about the work or any property, either public or private and such regulations as are required by the Engineer shall be put into effect immediately by the contractor. The necessary sanitary conveniences for the use of laborers on the work, properly secluded from public observation, shall be constructed and maintained by the contractor and their use shall be strictly enforced by the contractor. All applicable municipal sanitary laws and regulations and those of the State of Oklahoma shall be strictly complied with.

206.05 PUBLIC CONVENIENCE AND SAFETY

Materials stored about the work shall be so placed and the work shall, at all times, be so conducted as to cause no greater obstruction of the traveling public than is considered necessary by the Engineer. The contractor shall make provisions, by bridges, or otherwise, at all cross streets, highways, sidewalks and private driveways for the free passage of vehicles and pedestrians, provided that, where bridging is impracticable or unnecessary, in the opinion of the Engineer, the contractor may make arrangements satisfactory to the Engineer for the diversion of traffic and shall, at his own expense, provide all materials and perform all work necessary for the construction and maintenance of roadways and bridges for the diversion of traffic. Sidewalks must not be obstructed unless by special permission of the Engineer. Neither the materials excavated nor the construction materials or plant used in the construction of the work shall be placed so as to endanger the work or prevent free access to all fire hydrants, water valves, gas valves, manholes for electric, telephone, telegraph or traffic signal conduits, sewers or fire alarm or police call bodes in the vicinity. The City reserves the right to remedy any neglect on the part of the contractor as regards the public convenience and safety which may come to its attention, after twenty-four (24) hours' notice in writing to the contractor, except in case of emergency when it shall have the right to remedy any neglect without notice and, in either case, the cost of such work done by the City shall be deducted from monies due or to become due the contractor. The contractor shall notify the Fire Department Headquarters when any street is closed or obstructed and when directed by the Engineer shall keep any street or streets in condition for unobstructed use by fire apparatus.

Where the contractor is required to construct temporary culverts or bridges or make other arrangements for crossings over ditches or streams, his responsibility for accidents shall include the roadway approaches as well as the structures of such crossings.

206.06 PRIVILEGES OF CONTRACTOR IN STREETS, ALLEYS OR RIGHTS-OF-WAY

For the performance of the contract, the contractor will be permitted to occupy such portions of streets or alleys, other public places or other rights-of-way as provided for in the ordinances of the City, as shown on the plans or as permitted by the Engineer. A reasonable amount of tools, materials and equipment for construction may be stored in such space but not more than is necessary to avoid delays in the construction. Excavated and waste materials shall be piled or stacked in such a way as not to interfere with spaces that may be designated to be left free and unobstructed, nor inconvenience occupants of adjoining property. If the street is occupied by street railway tracks, the work shall be carried on in such manner as not to interfere with the operation schedule. Other contractors of the City may, for all purposes required by their contracts, enter upon the work and premises used by the contractor and the contractor shall give to other contractors of the City all reasonable facilities and assistance for the completion of the adjoining work. Any additional grounds desired by the contractor for his use shall be provided by him at his own expense.

206.07 BARRICADES AND WARNING SIGNS

Where work is carried on in or adjacent to any street, alley, easement, right-of-way, or public place, the contractor shall furnish and erect such barricades, fences, lights, construction signs and danger signs, shall provide such watchmen and/or flagmen and shall take such other precautionary measures for the protection of persons or properties and of the work as are necessary.

Barricades and signage, and watchmen and/or flagmen shall conform to "Manual of Uniform Traffic Control (MUTCD)" as per quantity, quality, and location.

The contractor shall comply with all Federal and State Laws relating to safety.

The contractor shall furnish a contact person who is available and responsible twenty-four (24) hours, seven (7) days a week for traffic control, and/or construction signage. The contractor will furnish the name, phone number and street address of the contact person to the City Engineer, Chief of Police, and Fire Chief, Utility

Superintendent and Public Works Superintendent. The contractor will respond to request concerning the project from any of the above persons.

Failure to respond to a request for assistance or materials by the contractor can result in action taken by the City under the direction of the engineer. The cost of such actions, taken by the City, may be deducted from monies due the contractor.

The contractor will be held responsible for all damages to the work due to failure of barricades, signs, lights and watchmen, flagmen to protect it, and evidence of such damage is found, the engineer may order the damaged portion immediately removed and replaced by the contractor at his expense, if in the opinion of the Engineer, such action is justified. The contractor's responsibility for the maintenance of barricades, signs and lights and for providing watchmen, flagmen shall not cease until the project shall have been accepted by the City.

Method of measurement will be based on a lump sum fee if listed in the detail proposal. The lump fee will be paid 60% upon start of the project, and 40% upon acceptance. If this item is not listed in the detailed proposal, the contractor shall recover cost associated with this work through other items listed in the detailed proposal.

Compensation for barricades, fences, lights, construction signage, danger signals, watchmen, and flagmen will be made at the contract unit price, as measured above, if listed in the detailed proposal.

206.08 USE OF EXPLOSIVES

Should the contractor elect to use explosives in the prosecution of the work, the utmost care shall be exercised so as not to endanger life or property, and the contractor shall carry on such work in accordance with the requirements of the section on Construction Details of these specifications and in compliance with applicable municipal ordinances and all laws of the State of Oklahoma. The contractor shall notify the proper representatives of any public service corporation, any company or any individual not less than eight (8) hours in advance of any blasting which might damage their or his property along or adjacent to the work.

Wherever explosives are stored or kept, they shall be stored in a safe and secure manner and all storage places shall be marked plainly "DANGEROUS EXPLOSIVES", and shall be under the care of a competent watchman at all times.

206.09 PROTECTION AND RESTORATION OF PROPERTY

The contractor shall not enter upon private property for any purpose without first obtaining permission and he shall be responsible for the preservation of and shall use every precaution necessary to prevent damage to all trees, fences, culverts, bridges, pavements, driveways, sidewalks, etc., to all water, sewer, gas or electric lines or appurtenances thereof and to all other public or private property along or adjacent to the work. The contractor shall notify the proper representatives of any public service corporation, any company or any individual not less than twenty-four (24) hours in advance of any work which might damage or interfere with the operation of their or his property, along or adjacent to the work. He shall be responsible for all damage or injury to property of any character resulting from any act, omission, neglect, or misconduct in the manner or method of executing the work or due to his non-execution of the work or at any time due to defective work or materials, and said responsibility shall not be released until the work shall have been completed and accepted. When and where any direct or indirect damage or injury is done to public or private property on account of any act, omission, neglect or misconduct in the execution of the work or in consequence of the non-execution thereof on the part of the contractor, he shall restore at his expense such property to a condition similar or equal to that existing before such damage or injury was done, by repairing, rebuilding or otherwise restoring as may be directed or he shall make good such damage for injury in an acceptable manner.

In case of the failure on the part of the contractor to restore such property or make good such damage or injury, the Engineer may, upon forty-eight (48) hours written notice, under ordinary circumstances, and without notice when a nuisance or hazardous condition results, proceed to repair, rebuild or otherwise restore such property as may be determined necessary and the cost thereof will be deducted from any monies due or to become due the contractor under his contract.

206.10 PROTECTION AND PRESERVATION OF LAND MONUMENTS AND PROPERTY LINE MARKS

The contractor shall protect carefully from disturbance or damage all land monuments and iron pins or other markers which establish property or street lines, provided that where such monuments or markers must, of necessity, be disturbed or removed in the performance of the contract, the contractor shall first give ample notice to the Engineer, so that he may witness or reference in such monuments or markers. Should the contractor disturb, remove, or damage any established land monument or property or street line mark without first giving the Engineer ample notice, the Engineer may, at his option, deduct the cost of re-establishing such monuments or marks from any monies due or to become due the contractor.

206.11 RESPONSIBILITY FOR DAMAGE CLAIMS

The contractor and his surety shall defend, indemnify and save harmless the City and all its officers, agents and employees from all suits, actions or claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person or persons or property by or from the said contractor or his employees or by or in consequence of any negligence in safeguarding the work or through the use of unacceptable materials in constructing the work or by or on account of any act or omission, neglect or misconduct of the said contractor or by or on account of any claim or amounts recovered by any infringement of patent, trademark or copyright, or from any claims or amounts arising or recovered under the Workmen's Compensation Law or any other law, ordinance, order or decree and so much of the money due the said contractor under and by virtue of his contract as shall be considered necessary by the City, may be retained for the use of the City or in case no money is due, his surety shall be held until such suits or suit, action or actions, claim or claims for injury or damages as aforesaid shall have been settled and satisfactory evidence to that effect furnished to the City.

206.12 CONTRACTOR'S CLAIM FOR DAMAGES

Should the contractor claim compensation for any alleged damage by reason of the acts or omissions of the City, he shall within ten (10) days after the sustaining of such damage, make a written statement to the Engineer setting out in detail the nature of the alleged damage. On or before the 25th day of the month succeeding that in which any such damage is claimed to have been sustained, the contractor shall file with the Engineer an itemized statement of the details and amount of such damage and upon request shall give the Engineer access to all books of accounts, receipts, vouchers, bills of lading and other books or papers containing any evidence as to amount of such damage. Unless such statement shall be filed as thus required, the contractor's claim for compensation shall be waived and he shall not be entitled to payment on account of any such damage.

206.13 PUBLIC UTILITIES AND PUBLIC PROPERTY TO BE CHANGED

In case it is necessary to change or move the property of any owner of a public utility, such owner will, upon proper application by the contractor, be notified by the Engineer to change or move such property within a specified time, and the contractor shall not interfere with such property until ordered so to do by the Engineer. The right is reserved to the owner of public utilities to enter upon the limits of the contract for the purpose of making such repairs or changes of their property that may be necessary by performance of the contract. The City shall have the privilege of entering upon the limits of the contract for the purpose of repairing or relaying sewer and water lines and appurtenances, repairing culverts or storm drains, and for making other repairs, changes or extensions to any City property.

206.14 TEMPORARY SEWER AND DRAIN CONNECTIONS

When existing sewers have to be taken up or removed, the contractor, at his own expense, shall provide and maintain temporary outlets and connections for all private or public drains, sewers or sewer inlets. He shall also take care of all sewage and drainage which will be received from these drains, sewers and sewer inlets; and for this purpose he shall provide and maintain at his own expense adequate pumping facilities and temporary outlets or diversions. He shall construct such troughs, pipes or other structures necessary and be prepared at all times to dispose of drainage and sewage received from these temporary connections until such time as the permanent connections are built and in service. The sewers and connections shall be kept in service and maintained under the contract, except where specified or ordered to be abandoned by the Engineer.

All water or sewage shall be disposed of in a satisfactory manner, and in compliance with all State and Federal Regulations, so that no nuisance is created and that the work under construction will be adequately protected.

206.15 ARRANGEMENT AND CHARGE FOR WATER FURNISHED BY THE CITY

The contractor will not be required to pay for water supplied by the City for use on this project.

206.16 USE OF FIRE HYDRANTS

The contractor or his employees shall not open, turn off, interfere with, attach pipe or hose to or connect anything with any fire hydrant, stop valve or stop cock or tap any water main belonging to a municipality, unless duly authorized to do so by the municipality.

206.17 USE OF A SECTION OR PORTION OF THE WORK

Whenever, in the opinion of the Engineer, any portion of the work or any structure is in suitable condition, it may be put into use by the written order of the Engineer and such usage shall not be held to be in any way an acceptance of said work or structure or any part thereof or as a waiver of any of the provisions of these specifications or contract. Pending final completion and acceptance of the work, all necessary repairs and renewals on any section of the work so put into use, due to defective material or workmanship, to natural causes other than ordinary wear and tear or to the operations of the contractor shall be performed by and at the expense of the contractor.

206.18 CONTRACTOR'S RESPONSIBILITY FOR THE WORK

Until written acceptance by the Engineer as provided for in these specifications, the work shall be under the charge and care of the contractor, and he shall take every necessary precaution to prevent injury or damage to the work or any part thereof by the action of the elements or from any other cause whatsoever, whether arising from the execution or from the non-execution of the work. The contractor shall rebuild, repair, restore, and make good, at his own expense, all injuries or damage to any portion of the work occasioned by any of the above causes before acceptance.

206.19 PERSONAL RESPONSIBILITY OF PUBLIC OFFICIALS

In carrying out any of the provisions contained herein, or in exercising any power or authority granted to him by the contract, there shall be no liability upon the Engineer or his authorized assistants, either personal or as officials of the City, it being understood that in such matters he acts as the agent and representative of the City.

206.20 WAIVER OF LEGAL RIGHTS

Inspection by the Engineer or by any of his duly authorized representatives, any order, measurement, or certificate by the Engineer, any order by the City for the payment of money, any payment for or acceptance of any work or any extension of time or any possession taken by the City, shall not operate as a waiver of any provision of the contract or any power therein provided. Any waiver of any breach of contract shall not be held to be a waiver of any other or subsequent breach. The City reserves the right to claim and recover by process of law sums as may be sufficient to correct any error or errors or make good any deficiency in the work resulting from such error or deficiency, dishonesty or collusion discovered in the work after the final payment has been made.

206.21 CONTRACTOR'S INSURANCE

The contractor shall not commence work under this contract until he has obtained all insurance required under this specification and such insurance has been approved by the City, nor shall the contractor allow any sub-contractor to commence work on his sub-contract until all similar insurance required of the sub-contractor has been so obtained and approved.

206.22 COMPENSATION AND DEATH LIABILITY INSURANCE

The contractor shall take out and maintain during the life of this contract, Workmen's Compensation Insurance as prescribed by the laws of the State of Oklahoma and Employer's Death Liability Insurance. For all his employees employed at the site of the project, and in case any work is sublet, the contractor shall require the sub-contractor similarly to provide Workmen's Compensation and Employer's Death Liability Insurance for all the latter's employees, unless such employees are covered by the protection afforded by the contractor. In case any class of employees engaged in hazardous work, work under this contract at the site of the project which is not protected under the insurance heretofore mentioned, the contractor shall provide and shall cause each sub-contractor to provide adequate insurance for the protection of his employees not otherwise protected.

206.23 PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE

"Any insurance or bond required by the Public Competitive Bidding Act of 1974 (House Bill 1665) shall be secured by an insurance or indemnity carrier licensed to do business in the State of Oklahoma. The Contractor shall name the City, together with its engineers, as an additional insured under any liability and workmen's compensation insurance required by the act."

The Contractors insurance coverage shall be not less than the following:

- (a) Statutory Workmen's Compensation
- (b) Contractor's Public Liability and Property Damage--
 - Bodily Injury:
 - each person-----\$500,000
 - each accident-----\$1,000,000
 - Property Damage:
 - each accident-----\$200,000
 - aggregate-----\$1,000,000
- (c) Automobile Public Liability and Property Damage--
 - Bodily Injury:
 - each person-----\$500,000
 - each accident-----\$1,000,000
 - Property Damage:
 - Each person-----\$200,000
 - each accident-----\$1,000,000

206.24 PROOF OF CARRIAGE OF INSURANCE

The contractor shall furnish the City with satisfactory proof of carriage of the insurance required.

206.25 LIENS

Neither the final payment nor any part of the retained percentage shall become due until the contractor, if required, shall deliver to the City a complete release of all liens arising out of this contract, or receipts paid in full in lieu thereof and, if required in either case, an affidavit that so far as he has knowledge or information, the releases and receipts include all labor and materials for which a lien could be filed; but the contractor may, if any sub-contractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the City, to indemnify him against any lien. If any lien remains unsatisfied after all payments are made, the contractor shall refund to the City all monies that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

SECTION 207 - PROSECUTION AND PROGRESS

207.01 SUBLETTING OF WORK

The City will not recognize any sub-contractor on the work. The contractor shall, at all times when work is in operation, be represented either in person or by a qualified superintendent or other designated representative. If the contractor sublets the whole or any part of the work to be done under this contract, he will not under any circumstances, be relieved of his responsibility and obligations. All transactions of the Engineer shall be with the contractor. Sub-contractors will be considered only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competency. The contractor shall not employ any sub-contractor on the work without prior written approval of the Engineer and the City Manager.

207.02 ASSIGNMENT OF CONTRACT

The contractor shall not assign, transfer, convey or otherwise dispose of the contract or his right, title or interest in or to the same or any part thereof without the previous consent of the Engineer in writing, approved by the City Council, and concurred in by the surety. If the contractor does, without such previous consent, assign, transfer, convey, sublet or otherwise dispose of the contract or his right, title or interest therein or any part thereof to any person or persons, partnership, firm or corporation, or by bankruptcy, voluntary or involuntary, or by assignment under the insolvency laws of any state attempt to dispose of the contract or make default in or abandon said contract, then the contract may, at the option of the City, be revoked and annulled unless the surety shall successfully complete said contract and any monies due or to become due under said contract shall be retained by the City as liquidated damages for the reason that it would be impracticable and extremely difficult to fix the actual damages.

207.03 PROSECUTION OF WORK

The contractor shall begin the work to be performed under the contract within the time limit stated in the Advertisement, Proposal and Contract, or within ten (10) days after a work order is issued by the City Engineer, and shall conduct the work in such a manner and with sufficient equipment, materials and labor as is necessary to insure its completion within the time limit set forth in the Advertisement, Proposal and Contract. The sequence of all construction operations shall at all times be as directed by or approved by the Engineer. Should the prosecution of the work for any reason be discontinued by the contractor, he shall notify the Engineer at least twenty-four (24) hours in advance of resuming operations.

207.04 LIMITATIONS OF OPERATIONS

The contractor shall conduct his work so as to create a minimum amount of inconvenience to the public. At any time when in the judgment of the Engineer the contractor has obstructed or closed or is carrying on operations on a greater portion of the street or public way than is necessary for the proper execution of the work, the Engineer may require the contractor to finish the sections on which work is in progress before work is started on any additional section.

207.05 CHARACTER OF WORKMEN AND EQUIPMENT

The contractor shall employ such superintendents, foremen, and workmen, as are careful and competent and the Engineer may demand the dismissal of any person or persons employed by the contractor, in, about, or on the work, who shall misconduct himself or be incompetent or negligent in the proper performance of his or their duties or neglect or refuse to comply with the directions of the Engineer, and such person or persons shall not be employed again thereon without the written consent of the Engineer. Should the contractor continue to employ or again employ such person or persons without the written consent of the Engineer, then the Engineer may suspend the work until such orders are complied with. All workmen shall have sufficient skill and experience to properly perform the work assigned them. All workmen engaged on special work or skilled work or in any trade shall have sufficient experience in such work to properly and satisfactorily perform it and operate the equipment involved, and shall make due and proper effort to execute the work in the manner prescribed by the specifications. Otherwise, the Engineer may take action as above prescribed.

In the employment of labor, preference shall be given, other conditions being equal, to bona fide residents of the City of Bethany, Oklahoma, but no other preference or discrimination among citizens of the United States shall be made.

The contractor shall furnish such equipment as is considered necessary for the prosecution of the work in an acceptable manner and at a satisfactory rate of progress. All equipment, tools and machinery used for handling materials and executing any part of the work shall be subject to the approval of the Engineer and shall be maintained in satisfactory working condition. Equipment on any portion of the work shall be such that no injury to the work or adjacent property will result from its use.

207.06 DAY'S WORK: WORKING HOURS

Work shall be done only during regular and commonly accepted and prescribed working hours. No work shall be done nights, but Saturdays, Sundays, or municipal holidays will be acceptable work days. Eight (8) hours shall constitute a day's work and the contractor shall observe all state laws and applicable municipal ordinances governing the hours of work.

207.07 TIME OF COMMENCEMENT AND COMPLETION

The contractor shall commence work within the time specified in the Advertisement, Proposal and Contract and the rate of progress shall be such that the whole work will be performed and the premises cleaned up in accordance with the contract, plans, and specifications within the time limit, where such time limit is stated in the Advertisement, Proposal and Contract, unless an extension of time is made in the manner hereinafter specified.

207.08 EXTENSION OF TIME OF COMPLETION

The contractor shall be entitled to an extension of time, as provided herein only when claim for such extension is submitted to the Engineer in writing by the contractor within seven (7) days from and after the time when any alleged cause of delay shall occur and then only when such claim is approved by the Engineer and the City Council. In adjusting the contract time for the completion of the project, all strikes, lockouts, unusual delays in transportation or any condition over which the contractor has no control, and also any suspensions ordered by the Engineer for causes not the fault of the contractor shall be excluded from the computation of the contract time for completion of the work. If the satisfactory execution and completion of the contract should require work or materials in greater amounts or quantities than those set forth in the contract, then the contract time shall automatically be increased in the same proportion as the cost of the additional work bears to the cost of the original work contracted for. No allowance shall be made for delays or suspension of the prosecution of the work due to the fault of the contractor.

207.09 FAILURE TO COMPLETE WORK ON TIME

The time of completion is the essence of the contract. For each working day that any work shall remain uncompleted after the time agreed upon in the proposal and the contract, or as automatically increased by additional work or materials ordered after the contract is signed, or the increased time granted by the City for the completion of said work, the sum per day given in the following schedule, unless otherwise specified in the proposal or Special Provisions, will be deducted from the monies to be paid the contractor under the conditions of the contract.

<u>Amount of Contract</u>	<u>Amount of Liquidated Damages per Day</u>
Less than \$5,000.00.	\$ 160.00
\$5,000.00 and less than \$15,000.00	160.00
\$15,000.00 and less than \$25,000.00. . . .	160.00
\$25,000.00 and less than \$50,000.00. . . .	160.00
\$50,000.00 and less than \$100,000.00 . . .	160.00
\$100,000.00 and less than \$250,000.00. . .	320.00
\$250,000.00 and less than \$500,000.00. . .	350.00
\$500,000.00 and over	400.00

The sum of money thus deducted for such delay, failure or non-completion is not to be considered as a penalty but should be deemed, taken and treated as reasonable liquidated damages, since it would be impracticable and extremely difficult to fix the actual damages.

207.10 TEMPORARY SUSPENSIONS

The Engineer shall have the authority to suspend the work wholly or in part for such period or periods as he may deem necessary, due to unsuitable weather or such other conditions as are considered unfavorable for the suitable prosecution of the work.

If it should become necessary to stop work for an indefinite period, the contractor shall store all materials in such a manner that they will not obstruct or impede the traveling public unnecessarily nor become damaged in any way, and he shall take every precaution to prevent damage or deterioration of the work performed, and shall provide suitable drainage about the work and erect temporary structures where necessary.

The contractor shall not suspend work without written authority from the Engineer and shall proceed with the work promptly when notified by the Engineer to resume operations.

207.11 SUSPENSION OF WORK AND ANNULMENT OF CONTRACT

The work or any portion of the work under contract shall be suspended immediately on written order of the Engineer or the City Council, a copy of such notice to be served upon the contractor's surety, or the contract may be annulled by the Trustees for any good cause or causes, among others of which special reference is made to the following:

- (a) Failure of the contractor to start the work within the time limit specified.
- (b) Substantial evidence that the progress being made by the contractor is insufficient to complete the work within the specified time.
- (c) Failure of the contractor to provide sufficient and proper equipment for properly executing the work.
- (d) Deliberate failure on the part of the contractor to observe any requirements of these specifications or to comply with any orders given by the Engineer, as provided for in these specifications.
- (e) Failure of the contractor promptly to make good any defects in materials or workmanship or any defects of any other nature, the correction of which has been directed in writing by the Engineer.
- (f) Substantial evidence of collusion for the purpose of illegally procuring a contract or perpetrating fraud on the City in the construction of work under contract.

When work is suspended for any one of the causes itemized above, or for any other cause or causes, the contractor shall discontinue the work or such part thereof as the City Council shall designate, whereupon the surety may, at its option, assume the contract or that portion thereof which the City Council has ordered the contractor to discontinue and may, with the written consent of the Engineer, approved by the City Council, sublet the work or portion of the work so taken over, provided, however, that the surety shall exercise its option, if at all, within two (2) weeks after the written notice to discontinue work has been served upon the contractor and upon the surety or its authorized agent. The surety, in such event, shall assume the contractor's place in all respects and shall be paid by the City for all work performed by it in accordance with the terms of the contract, and if the surety, under the provisions hereof, shall assume said entire contract, all monies remaining due the contractor at the time of his default, shall be due and payable to the surety, subject to all terms of the contract.

In the event the surety does not, within the time hereinbefore specified, exercise its right and option to assume the contract, or that portion thereof which the City Council has ordered the contractor to discontinue, then the City shall have the power to complete, by contract or otherwise, as it may determine, the work herein described or such part thereof as it may deem necessary, and the contractor hereby agrees that the City shall have the right to take possession of and use any of the materials, plant, tools, equipment, supplies and property of every kind provided by the contractor for the purpose of his work and to procure other tools, equipment and materials for the completion of same, and to charge to the account of the contractor the expense of said contract for labor, materials, tools, equipment and expenses incidental thereto. The expense so charged shall be deducted by the City out of such monies as may be due or may at any time thereafter become due the contractor under and by virtue of the contract or any part thereof. The City shall not be required to obtain the lowest bid for the work of completing the contract but the expense to be deducted shall be the actual cost of such work. In case such expense is less than the sum which would have been payable under the contract, if the same had been completed by the contractor, the balance shall operate as liquidated damages, as hereinabove set out. In case such expense shall exceed the amount which would have been payable under the contract, if the same had been completed by the contractor, then the contractor and his surety shall pay the amount of such excess to the City on notice from the City Council of the excess so due. When any particular part of the work is being carried on by the

City by contract or otherwise under the provisions of this Section, the contractor shall continue the remainder of the work in conformity with the terms of the contract and in such manner as in no way to hinder or interfere with the performance of workmen employed as above provided by the City.

207.12 TERMINATION OF CONTRACT

The contract will be considered fulfilled, save as provided in any bond or bonds or by law, when all the work has been completed, the final inspection made by the Engineer, and final acceptance and final payment been made by the City.

SECTION 208 - MEASUREMENT AND PAYMENT

208.01 MEASUREMENT OF QUANTITIES

The determination of quantities of work acceptably completed under the terms of the contract or as directed by the Engineer, in writing, will be made by the Engineer, based on measurements taken by him or his assistants. The measurements will be taken according to the United States Standard Measurements. When materials are measured in the vehicle, the measurement will be taken at the point of delivery. When required by the Engineer, the capacity of all vehicles shall be plainly marked on each vehicle and the capacity or markings shall not be changed without permission of the Engineer.

208.02 SCOPE OF PAYMENT

The contractor shall receive and accept the compensation as herein provided in full payment for furnishing all labor, materials, tools, equipment and incidentals; for performing all work contemplated and embraced under the contract; for all loss of damage arising out of the nature of the work or from the action of the elements; for any unforeseen defects or obstructions which may arise or be encountered during the prosecution of the work and before its final acceptance by the Engineer; for all risks of every description connected with the prosecution of the work; for all expenses incurred by or in consequence of suspension or discontinuance of such prosecution of the work as herein specified; for any infringement of patents, trademarks or copyrights and for completing the work in an acceptable manner according to the plans and specifications.

The payment of any current or partial estimate prior to final acceptance of the work by the City shall in no way constitute an acknowledgement of the acceptance of the work, nor in any prejudice or effect the obligation of the contractor to repair, correct, renew, or replace at his expense, and defects or imperfections in the construction of the work or in the strength or quality of the materials used in the construction of the work under contract and its appurtenances, nor any damage due to or attributable to such defects, which reflects imperfections or damage shall have been discovered on or before the final inspection and acceptance of the work. The Engineer shall be the sole judge of such defects, imperfections or damage and the contractor shall be liable to the City for failure to correct the same as provided for herein. On or before the 25th day of each month, the Engineer will make an estimate of the value of the work done during that month under these specifications. Whenever the said estimate or estimates or work done since the last previous estimate, exceed one hundred dollars (\$100.00) in amount, ninety (90%) percent of such estimated sum up to 50% of contract will be paid the contractor on or before the 15th day of the month next following. When over 50% of the contract is completed, 95% will be paid. The contractor shall furnish to the Engineer such detailed information as he may request to aid him as a guide in the preparation of the monthly estimate.

208.03 PAYMENT FOR EXTRA WORK

The extra work done by the contractor as authorized and approved by the Engineer and the City Council, will be paid for in the manner hereinafter described and the compensation thus provided shall be accepted by the contractor as payment in full for all labor, materials, tools, equipment and incidentals, and all superintendent's and timekeeper's services, all insurance and all other overhead expense incurred in the prosecution of the extra work.

Payment for extra work will be made by one or more of the following methods:

- (a) Unit prices agreed on in writing by the Engineer and the contractor and approved by the City Council before said work is commenced, subject to all other conditions of the contract.
- (b) A lump sum price agreed on in writing by the Engineer and the contractor and approved by one City Council before said work is commenced, subject to all other conditions of the contract.
- (c) The actual cost, including labor, materials, tools, equipment and field supervision of such extra work plus fifteen (15%) percent; which fifteen (15%) per cent is hereby understood and agreed to include all overhead expense and profits when agreed upon in writing by the Engineer and the contractor, and approved by the City Council before said work is commenced; subject to all other conditions of the contract.

The contractor shall, on or before the 10th of the month succeeding that in which any extra work shall have been performed, file with the Engineer his claim and an account giving the itemized cost of such work and shall give the Engineer access to all accounts, bills, and vouchers relating thereto.

208.04 PAYMENTS WITHHELD

The Engineer may withhold or, on account of subsequently discovered evidence, nullify the whole or a part of any certificate to such extent as may be necessary to protect the City from loss on account of:

- (a) Defective work not remedied.
- (b) Claims filed or reasonable evidence indicating problem filing of claims.
- (c) Failure of contractor to make payments properly to subcontractors or for materials or labor.
- (d) A reasonable doubt that the contract can be completed for the balance then unpaid.
- (e) Damage to another contractor.

When the above grounds are removed, payment shall be made for amounts withheld because of them.

208.05 STATE TAX

The contractor will be responsible for and bear the expense of all Sales Tax and other State tax pertaining to this project, the cost of such tax being included in his original bid.

208.06 ACCEPTANCE AND FINAL PAYMENT

Whenever the improvement provided for by the contract shall have been completely performed on the part of the contractor, satisfactory maintenance bond filed, and all parts of the work have been approved by the Engineer and accepted by the City, a final estimate showing the value of the work will be prepared by the Engineer as soon as the necessary measurements and computations can be made. The amount of this estimate, less any sums that have been deducted or retained under the provisions of the contract, will be paid to the contractor as soon as practicable after the final acceptance, provided the contractor has furnished to the City satisfactory evidence that all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished for the purpose of such improvement have been paid or that the person or persons to whom the same may respectively be due have consented to such final payment.

The acceptance by the contractor of the last payment, as aforesaid, shall operate as and shall be a release to the City from all claims or liability under the contract for anything done or furnished or relating to the work under the contract or for any act or neglect of said City relating to or connected with the contract.

208.07 FINAL MEASUREMENT AND FINAL ESTIMATES

Final measurements will be taken and final estimates compiled as soon as work has progressed to a point where the final measurements may be taken accurately.

SCOPE OF WORK

These proposals are for the excavation, transportation, and disposal of the lime sludge contained in the north sludge lagoon pit associated with the Bethany Water Treatment Plant, 8308 NW 50th Street, Bethany, Oklahoma. Approximate geo referenced coordinates of the project are latitude 35°31'04" N and longitude 97°39'46" W.

The successful proposal will provide for all labor, materials, tools, and equipment necessary to fully excavate, transport, and dispose of the dried lime sludge. The quantity of sludge is estimated at 16,000 cubic yards ±500 cubic yards. Excavation to the bottom and sides of the north lime pit, should fully expose the soil level as a means of judging full excavation during the removal process. Any bank or area removed or damaged during the excavation must be replaced/repared by contractor.

The contractor must describe the proposed method of excavation and make that description part of the bidder's proposal.

BID DOCUMENTS

In order to be considered complete, the bid package must contain:

1. Complete Bidder's Proposal Form
2. Bid Bond (Not required for bids less than \$50,000)
3. Bidder's Executed Non-Collusion Affidavit
4. Bidder's Business Relationships Affidavit
5. Bidder's Executed Declaration

Omission of any required form/document will result in an immediate bid disqualification

BIDDER'S PROPOSAL FORM

LIME SLUDGE EXCAVATION AND REMOVAL (PROJECT NO. WTP 22-02)

Proposal of _____ (hereinafter called "Bidder"), organized and existing under the laws of the State of _____ and doing business as _____ (Corporation, Partnership, Sole Proprietorship). To the City of Bethany (hereinafter called "Owner").

Bidder agrees to provide the following labor, materials, equipment, or supplies which are described in detail in the Bid Specifications on file in the office of the City Clerk of the City of Bethany for the following unit prices or lump sum:

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
1	Provide all labor, materials, tools, and equipment to complete the Lime Sludge Excavation and Removal project as described in the specifications and bid documents.	LS	1		

NOTE: BIDDER MUST ATTACH A DESCRIPTION OF THE PROPOSED EXCAVATION METHOD

TOTAL BID (ITEM ONE (1) ONLY):

_____ Dollars \$ _____
 WORDS FIGURES

 Signature

 Firm Name

 Title

 Address

 Employer I.D. No.

 Address

(SEAL) if bid is by a corporation

 Telephone Number

ATTEST:

 Secretary/Witness

 Date

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____

_____ as Principal, and

_____ as Surety, are hereby

held and firmly bound unto _____

as OWNER in the penal sum of _____

for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this ____ day of _____, 20____. The Condition of the above obligation is such that whereas the Principal has submitted

to _____ a certain

BID

attached hereto and hereby made a part hereof to enter into a contract

in writing, for the _____

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said contract, and for the payment of all persons performing labor furnishings materials in connection therewith, and shall in all other respects perform the

agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect: it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____ (L.S.)

Principal

ATTEST: (if by Corporation)

Surety

BY: _____

IMPORTANT - Surety companies executing BONDS must appear on the Treasury Departments most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

BUSINESS RELATIONSHIPS AFFIDAVIT

STATE OF)
)SS
COUNTY OF)

_____, of lawful age, being first duly sworn on oath says, that he/she is the agent authorized by the bidder to submit the attached bid. Affiant further states that the nature of any partnership, joint venture, or other business relationship presently in effect or which existed within one (1) year prior to the date of this statement with the architect, engineer, or other party the project is as follows:

Affiant further states that any such business relationship presently in effect or which existed within one (1) year prior to the date of this statement between any officer or director of the bidding company and any officer or director of the architectural or engineering firm or other party to the project is as follows:

Affiant further states that the names of all persons having any such business relationships and the positions they hold with their respective companies or firms are as follows:

(If none of the business relationships hereinabove mentioned exist, affiant should so state.)

Signature

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public

My Commission Expires:

BIDDER'S DECLARATION

Bidder understands, agrees, and warrants:

1. That bidder has carefully read and fully understands the full scope of these specifications.
2. That bidder has the capability to successfully undertake and complete the responsibilities and obligations in said specifications.
3. That any materials or equipment proposed in this bid meet published specifications.
4. That this bid maybe withdrawn by requesting in writing at any time prior to **5:00 p.m., Central Standard Time, October 30th, 2023**, but may not be withdrawn after such date and time.
5. That the City reserves the right to reject any or all bids and to accept that bid which will, in its best opinion, best serve the public interest. The City reserves the right to waive any technicalities and formalities in the bidding.
6. That by submission of this bid, the bidder acknowledges the right of the City to make any inquiry or investigation it deems appropriate to substantiate or supplement information supplied by the Bidder.
7. That a cashier's check, certified check, or bid bond in the sum of 5% of the bid amount, payable to the City of Bethany, must be submitted with the bid and is attached hereto (***Bid surety will not be required for bids less than \$50,000***). Said sum will be held by the City of Bethany as a guarantee securing the obligations Bidder agrees to assume in the bid and will be returned to the unsuccessful bidder within ten (10) days after the agreement has been executed with the successful bidder, or after all bids have been rejected. In the event this bid is accepted by the City of Bethany and the Bidder fails to meet the terms thereof, said sum shall be forfeited by Bidder and retained by the City of Bethany as liquidated damages.

Bidder: _____

Signature & Title: _____

(Affix seal if applicable)

(If a partnership, a general partner must sign; if a corporation, an authorized corporate officer must sign and affix the corporate seal to this document)

CONTRACT DOCUMENTS

The successful bidder will be required to complete and execute the following documents as a requirement of the contract award:

- Contract (in triplicate)
- Insurance Requirements (provide proof of insurance)
- Contractor's Affidavit
- Time of Essence/Liquidated Damages for Delay
- Performance Bond*
- Statutory Bond*
- Certificate of Non-discrimination
- Hold Harmless Clause
- Contractor Certification (immigration)

Also:

- A Non-Collusion Affidavit will be required for any invoice or payment request greater than \$25,000
- An Extension of Time Request will be required if partial payments are requested
- A Release of Claimants will be required at the conclusion of the project.

CONTRACT

This Contract and Agreement made and entered into this _____ day of _____, 20____, by and between the City of Bethany, Oklahoma, party of the first part, hereinafter termed "City", and Insert Contractor Company Name, party of the second part, hereinafter termed "Contractor".

WITNESSETH:

WHEREAS, City has caused to be prepared in accordance with law, certain plans, specifications, and other bidding documents for the work hereinafter described, and has approved and adopted all of said bidding documents, and has caused Solicitations for Bids to be given and advertised as required by law, and has received sealed proposals for the furnishing of all labor, materials, equipment, or supplies for:

Lime Sludge Excavation and Removal – Project Number WTP 24-01

As outlined and set out in the bidding documents and in accordance with the terms and provisions of said contract; and,

WHEREAS, Contractor, in response to said Solicitation for Bids, has submitted to City, in the manner and at the time specified, a sealed proposal in accordance with the terms of this Contract; and,

WHEREAS, City, in the manner provided by law, has publicly opened, examined, and canvassed the proposals submitted and determined and declared the above-named Contractor to be the lowest, responsible and responsive bidder on the above-described project, and has duly awarded this contract to said Contractor, for the sum named in the proposal, to wit:

(State Prices) _____

NOW THEREFORE, for and in consideration of the mutual agreements and covenants herein contained, the parties to this Contract have agreed, and hereby agree, as follows:

1. The Contractor shall, in a good and first-class, workmanlike manner, at his own cost and expense, furnish all labor, materials, tools, equipment, or supplies required to perform and complete said work in strict accordance with this Contract, plans, and specifications, all of which documents are on file in the office of the City Clerk of the City of Bethany, Oklahoma, and are made a part of this Contract as fully as if the same were herein set out at length with the following additions and or exceptions: (If none, so state)

2. The City shall make payments to the Contractor in the following manner: On or about the first day of each month, the agency engineer, or other appropriate person, will make accurate estimates of the value, based on contract prices, of work done and materials incorporated in the work and of materials suitably stored at the site thereof during the preceding calendar month. The Contractor shall furnish to the agency engineer, or other appropriate person, such detailed information as he may request to aid him as a guide in the preparation of the monthly estimates.

Each monthly estimate for payment must contain or have attached an affidavit as required by Senate Bills 469 and 565 of the 1974 Legislature.

3. On completion of the work, but prior to the acceptance thereof by the City, it shall be the duty of the agency engineer, or other appropriate person, to determine that said work has been completely and fully performed in accordance with said Contract Documents; and upon making such determination said official shall make his final certificate to the City.

The Contractor shall furnish proof that all claims and obligations incurred by him in connection with the performance of said work have been fully paid and settled; said information shall be in the form of an affidavit, which shall bear the approval of the surety on the contract bonds for payment of the final estimate to the Contractor; thereupon, the final estimate (including retainages) will be approved and paid.

4. The sworn, notarized Contractor's Affidavit must be signed and notarized before this contract will become effective.

IN WITNESS WHEREOF, the parties hereto have caused this instrument to be executed, in three duplicate originals, the day and year first above written.

CONTRACTOR

CITY OF BETHANY, Acting by and through the Mayor:

By: _____

By: _____

Attest: _____

Attest: _____

City Clerk

(Title)

Approved as to form and legality this _____ day of _____, 20____.

City Attorney

INSURANCE REQUIREMENTS

Name of Insured _____

Description of Work _____

Kind of Insurance	Minimum Coverage	Expected Dates Coverage Needed	
		From	To
Workmen's Compensation	Legal Amount	_____	_____
General Public Liability and Property Damage, Including Vehicle Coverage			
Bodily Injury-Each Person	\$ 500,000	_____	_____
Bodily Injury-Each Accident	\$ 1,000,000	_____	_____
Property Damage-Each Person	\$ 200,000	_____	_____
Property Damage-Aggregate Limit	\$1,000,000	_____	_____
Builder's Risk (if required)	Full Coverage	_____	_____

Note: This covers all motor driven vehicles such as cars, trucks, graders, etc.

In the event of any material change or cancellation of said policies, the company will give fifteen (15) day written notice to City of Bethany, Owner.

Statements such as "will endeavor" and "but failure to notify owner shall impose no obligation or liability of any kind upon the company" shall not be allowed.

Coverage shall be indicated by checking all boxes applicable. Insurance shall cover any hazards involved with the planned construction. Special coverage for blasting operations shall be listed separately on the certificates.

The owner shall be listed as the certificate holder.

CITY OF BETHANY, OKLAHOMA

CONTRACTOR'S AFFIDAVIT

STATE OF _____)
COUNTY OF _____) **SS**

I, _____, of lawful age, being first duly sworn, on oath say that (s)he is the agent authorized by the Contractor to submit the attached contract to the City of Bethany. Affiant further states that Contractor has not paid, given, or donated or agreed to pay, give, or donate to any officer or employee of the City of Bethany any money or other thing of value, either directly or indirectly, in the procuring of this contract.

Firm Name (Contractor)

Signature and Title

Subscribed and Sworn to before me this _____ day of _____, 20____.

Notary Public (or Clerk or Judge)

My commission expires: _____

Note: This affidavit must accompany the signed contract

TIME OF ESSENCE
LIQUIDATED DAMAGES FOR DELAY

Time is of the essence of this contract and all deliveries be must be completed within sixty (60) (calendar)(~~working~~) days from the date a "Notice of Award" or purchase order is given to the contractor by the City. If the contractor fails to fully complete this contract on or before the time above specified, then and in that event, for each calendar day this contract shall remain uncompleted, owner is authorized to deduct the sum of _____ from the contract price hereinabove specified and retain said amount as payment to the City from contractor for liquidated damages sustained by reason of failure of contractor to complete the contract on or before the date specified above. The contractor and City agree that the actual amount of damages to be suffered by the City by virtue of any delay is difficult to ascertain and the above amount of liquidated damages is agreed to be reasonable.

PROVIDED: If completion of this contract is delayed by the City, by acts of God, labor strikes, or casualty beyond the contractor's control, then in such event the time of completion of this contract shall be extended for an additional period of time equal to the amount of time lost due to such delay, PROVIDED that the contractor shall at the time of such delay request of the owner, in writing, such additional time in which to complete the contract.

I have read the above stated clause and agree to abide by its requirements.

Signature

STATE OF OKLAHOMA)
) SS.
COUNTY OF OKLAHOMA)

On this _____ day of _____, 20____, before me, the undersigned Notary Public in and for the County and State aforesaid, personally appeared

_____,
to me known as the identical person who signed the name as the maker thereof to the within and foregoing instrument

_____,
and acknowledged to me that _____ executed the same as _____ free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year first above written.

Notary Public

My Commission Expires:

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____,

as Principal, and _____,

a corporation organized under the laws of the State of Oklahoma, and authorized to transact business in the State of Oklahoma, as Surety, are held and firmly bound unto City of Bethany
(State or Other Entity)

in the penal sum of _____ Dollars (\$ _____)
in lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors, administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

Dated this _____ day of _____, 20____.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written Contract with City of Bethany, dated
(State or Other Entity)
_____, 20____, for

all in compliance with the plans and specifications therefor, made a part of said Contract and on file in the office of City Clerk, City of Bethany, PO Box 219, 6700 NW 36th, Bethany, OK 73008
(Name and Address of Agency)

NOW, THEREFORE, if said Principal shall, in all particulars, well, truly, and faithfully perform and abide by said Contract and each and every covenant, condition, and part thereof and shall fulfill all obligations resting upon said Principal by the terms of said Contract and said specifications; and if said Principal shall promptly pay, or cause to be paid, all labor, materials and/or repairs and all bills for labor performed on said work, whether by subcontract or otherwise; and if said Principal shall protect and save harmless said City of Bethany
(State or Other Entity)
from all loss, damage, and expense to life or property suffered or sustained by any person, firm, or corporation caused by said Principal or his or its agents, servants, or employees in the construction of said work, or by or in consequence of any negligence, carelessness or misconduct in guarding and protecting the same, or from any act or omission of said Principal or his or its agents, servants, or employees, and if said Principal shall protect and save City of Bethany harmless from all suits and claims of infringement or alleged infringement or patent
(State or Other Entity)
rights or processes, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further expressly agreed and understood by the parties hereto that no changes or alterations in said Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the sureties, or any of them, from the obligations of this Bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Principal:

ATTEST:

By _____

President

(CORPORATE SEAL)

(If Corporation) SECRETARY

Surety:

ATTEST:

By _____

Attorney-in-Fact

(SURETY SEAL)

Approved as to form and legality this _____ day of _____,
20__.

CITY ATTORNEY

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That _____,
as Principal, and _____,
a corporation organized under the laws of the State of _____,
and authorized to transact business in the State of Oklahoma, as Surety, are held and firmly
bound unto _____,
(State or Other Entity)
in the penal sum of _____

Dollar (\$ _____) in lawful money of the United States of America,
for the payment of which, well and truly to be made, we bind ourselves and each of us, our heirs, executors,
administrators, trustees, successors, and assigns, jointly and severally, firmly by these presents.

DATED this _____ day of _____, 20____.

The condition of this obligation is such that:

WHEREAS, said Principal entered into a written Contract with _____
_____, dated _____, 20____, for
(State or Other Entity)

all in compliance with the plans and specifications therefore, made a part of
said Contract and on file in the office of _____

(Name and Address of Agency)

NOW, THEREFORE, if said Principal shall fail or neglect to pay all indebtedness incurred by said
Principal or subcontractors of said Principal who perform work in the performance of such contract, for labor and
materials and repairs to and parts for equipment used and consumed in the performance of said contract within thirty
(30) days after the same becomes due and payable, the person, firm, or corporation entitled thereto may sue and
recover on this bond, the amount so due and unpaid.

It is further expressly agreed and understood by the parties hereto that no changes or alternations in said
Contract and no deviations from the plan or mode of procedure herein fixed shall have the effect of releasing the
sureties, or any of them, from the obligations of this Bond.

IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its
corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to

be executed in its name and its corporation seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Principal:

By _____
President

ATTEST

(CORPORATE SEAL)

(If Corporation) SECRETARY

Surety:

ATTEST:

By _____
Attorney-in-Fact

(SURETY SEAL)

Approved as to form and legality this _____ day of _____
_____, 20____.

CITY ATTORNEY

CERTIFICATE OF NONDISCRIMINATION

In connection with the performance of work under this Contract, the Contractor agrees as follows:

- A. The Contractor agrees not to discriminate against any employee or applicant for employment because of age, race, creed, color, sex, national origin, ancestry or physical handicap. The Contractor shall take affirmative action to insure that employees are treated without regard to their age, race, creed, color, national origin, sex, ancestry or physical handicap. Such actions shall include, but not be limited to the following: employment, upgrading, demotion, or transfer of pay or other forms of compensation and selection for training including apprenticeship. The Contractor and Subcontractor shall agree to post in a conspicuous place, available to employees and applicants for employment notices to be provided by the Secretary of the City of Bethany, Oklahoma setting forth provision of this section.
- B. In the event of the Contractor's noncompliance with this nondiscrimination clause, the contract may be cancelled or terminated by the Authority. The Contractor may be declared by the Authority ineligible for further contracts with the said agency until satisfactory proof of intent to comply shall be made by the Contractor.
- C. The Contractor agrees to include this nondiscrimination clause in any subcontracts connected with the performance of this agreement.

I have read the above stated clause and agree to abide by its requirements.

Contractor

ATTEST:

Secretary/Witness

**CITY OF BETHANY
HOLD HARMLESS CLAUSE**

Contractor shall, within limitations placed on such entities by state law, save harmless the City of Bethany, its agents, officers, and employees from all claims and actions, and all expenses defining same, that are brought as a result of any injury or damage sustained by any person or property in consequence of any act or omission by contractor. Contractor shall, within limitations placed on such entities by state law, save harmless the City of Bethany, its agents, officers, and employees from any claim or amount recovered as a result of infringement of patent, trademark, copyright, or from any claim or amounts arising or recovered under Workers' Compensation law or any other law. In any agreement with any subcontractor or any agent for contractor, contractor will specify that such subcontractors or agents shall hold harmless the City of Bethany, its agents, officers, and employees for all the hereinbefore described expenses, claims, actions, or amounts recovered.

CONTRACTOR

STATE OF OKLAHOMA)
) SS.
COUNTY OF OKLAHOMA)

On this _____ day of _____, 20____, before me, the undersigned Notary Public in and for the County and State aforesaid, personally appeared

to me known as the identical person who signed the name as the maker thereof to the within and foregoing instrument _____

and acknowledged to me that _____ executed the same as _____ free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year first above written.

Notary Public

My Commission Expires:

CONTRACTOR CERTIFICATION

Contractor certifies and warrants that it will comply with the Immigration Laws of the United States, including but not limited to 8 USC 1324(a), which makes it unlawful for an employer to hire or continue to employ an alien knowing the alien is or has become unauthorized with respect to such employment, or to fail to comply with the I-9 requirements. Contractor further agrees to comply with the Oklahoma Taxpayer and Citizen Protection Act of 2007. Contractor will not knowingly employ or knowingly allow any of its Subcontractors to employ any illegal or undocumented aliens to perform any work in connection with services performed for the City. After July 1, 2008, Contractor and its Subcontractors will verify information on all new employees on the Status Verification System operated by the U. S. Government.

Contractor will retain and make available for inspection by the City, upon reasonable notice, a completed I-9 Employment Eligibility Verification Form for each person that contractor directly employs to perform services for the City. If Contractor, or any of its Subcontractors, receives *actual knowledge* of the unauthorized status of one of its employees engaged in providing services to the City then Contractor or Subcontractor will remove that employee from the project, and shall require each Sub-contractor to act in a similar fashion with respect to such Sub-contractor's employees. Contractor agrees to have a provision in its subcontracts stating that each Sub-contractor will have the same duties and responsibilities with regard to its employees that the Contractor has certified to in this paragraph.

Signed under penalty of perjury on _____ 20____.

Contractor

By: _____
Owner or Authorized Officer

CITY OF BETHANY, OKLAHOMA

NONCOLLUSION AFFIDAVIT

STATE OF _____)
) SS
COUNTY OF _____)

The undersigned supplier, of lawful age, being first duly sworn, on oath say that this invoice or claim is true and correct. Affiant further states that the materials as shown by this invoice or claim have been supplied in accordance with the plans, specifications, orders, or requests furnished the Affiant. Affiant further states that (s)he has made no payment directly or indirectly to any elected official, officer or employee of the State of Oklahoma, any county or local subdivision of the State, or money or any other thing of value to obtain payment of the invoice or procure the contract or purchase order pursuant to which an invoice is required.

Firm Name (Contractor)

Signature and Title

Subscribed and Sworn to before me this _____ day of _____, 20__.

Notary Public (or Clerk or Judge)

My commission expires: _____

Note: This affidavit must accompany every invoice or claim for payment over \$25,000 (62 O.S. Section 310.9)

EXTENSION OF TIME REQUEST

(to be submitted with each partial payment application)

DATE: _____

CONTRACTOR: _____

ADDRESS: _____

DESCRIPTION OF CONTRACT: _____

EXTENSION OF CONTRACT TIME REQUIRED? YES _____ NO _____

TOTAL OF EXTENSION TIME REQUESTED: _____

If yes, give reason: _____

SIGNATURE – CONTRACTOR

CONSULTING ENGINEER

APPROVED: _____ REJECTED: _____

REASON: _____

SIGNATURE

DATE

Action will be taken within 30 days from receipt of Request. A formal Change Order to the City Council/Authority will be required to consummate the Extension of Time Request.

RELEASE OF CLAIMANTS

(To be submitted at the conclusion of the project)

Date _____

Project _____

Dear Sir:

I hereby acknowledge receipt of _____
_____ Dollars (\$ _____)

In full payment of my contract dated _____
for improvement work that I did for you and which is described in my
contract.

I certify that I have paid in full for all materials purchased and all
labor employed in the performance of this contract and that there are
no claims against me as an employer under this contract on account of
injuries sustained by workmen employed by me thereunder. I hereby
release you from any claims arising by virtue of this contract.

WARNING

The making of any false statement or misrepresentation herein may be a crime punishable under Title 18 U.S.C. §1001 which provides in part: "Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully ... makes any false, fictitious or fraudulent statements or representation, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both".

Sincerely,

Contractor

NOTICE: On Thursday, September 28, 2023, at or before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

BETHANY HOSPITAL TRUST MEETING

BETHANY CITY HALL

TUESDAY, OCTOBER 3, 2023

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Chris Powell	Trustee
	Kathy Larsen	Trustee
	Marilyn McPhail	Trustee
	Peter Plank	Trustee
	Steve Palmer	Trustee
	Brian Magirowsky	Trustee
MEMBERS ABSENT:	Ken Smart	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Steve Manek	TEIM Design
	Jon Wolff	Municipal Finance Svc.
	(See Roster)	

Chairman Lloyd called the Bethany Hospital Trust meeting to order at 9:39 P.M.

ITEM NO. 1 on the agenda was **CONSENT DOCKET:**

- A. APPROVAL OF MINUTES FROM SEPTEMBER 19, 2023, REGULAR MEETING.**
- B. APPROVAL OF CLAIMS: THESE CLAIMS HAVE BEEN FOUND TO BE IN ORDER BY STAFF AND PROPER AS TO FORM AND PROCEDURE AND ARE RECOMMENDED FOR PAYMENT. A COPY OF THE CLAIMS.**

Motion was made by Trustee Larsen, seconded by Trustee Plank to approve the Consent Docket. Yes Votes: Larsen, McPhail, Powell, Plank, Magirowsky, Lloyd, Palmer, Knapp. No Votes: None. Motion passed.

ITEM NO. 2 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS "MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA")**.

None

ITEM NO. 3 on the agenda was **ADJOURN UNTIL OCTOBER 17, 2023**.

Chairman Lloyd adjourned the Bethany Hospital Trust meeting at 9:40 P.M. until October 17, 2023.

CHAIRMAN

SECRETARY

BETHANY HOSPITAL TRUST

From: Michael Vaughn, Finance Director
Date: October 12, 2023
Subject: Claims List for the 10/17/2023 Bethany Hospital Trust Meeting

BETHANY HOSPITAL TRUST

FUND	AMOUNT
Bethany Hospital Trust	\$0.00
TOTAL	\$0.00

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$954,107.90
Bethany Public Works Authority	\$251,652.77
Bethany Hospital Trust	\$0.00
Bethany Development Authority	\$0.00
TOTAL	\$1,205,760.67

RECOMMENDATION

1. Approve the claims as presented.



NOTICE: On Thursday, September 28, 2023, at or before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

BETHANY DEVELOPMENT AUTHORITY

BETHANY CITY HALL

TUESDAY, OCTOBER 3, 2023

7:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Chris Powell	Trustee
	Steve Palmer	Trustee
	Kathy Larsen	Trustee
	Marilyn McPhail	Trustee
	Peter Plank	Trustee
	Brian Magirowsky	Trustee
MEMBERS ABSENT:	Ken Smart	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Steve Manek	TEIM Design
	Jon Wolff	Municipal Finance Svc.
	(See Roster)	

Chairman Lloyd called the Bethany Development Authority meeting to order at 9:40 P.M.

ITEM NO. 1 on the agenda was **CONSENT DOCKET:**

- A. APPROVAL OF MINUTES FROM SEPTEMBER 19, 2023, REGULAR MEETING.**
- B. APPROVAL OF CLAIMS: THESE CLAIMS HAVE BEEN FOUND TO BE IN ORDER BY STAFF AND PROPER AS TO FORM AND PROCEDURE AND ARE RECOMMENDED FOR PAYMENT. A COPY OF THE CLAIMS.**

Motion was made by Trustee Palmer, seconded by Trustee Plank to approve the Consent Docket. Yes votes: Larsen, Lloyd, Magirowsky, Plank, Palmer, Powell, McPhail, Knapp. No votes: None. Motion passed.

ITEM NO. 2 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS “MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA”)**.

None

ITEM NO. 3 on the agenda was **ADJOURN UNTIL OCTOBER 17, 2023.**

Chairman Lloyd adjourned the Bethany Development Authority meeting at 9:40 P.M. until October 17, 2023.

CHAIRMAN

SECRETARY

BETHANY DEVELOPMENT AUTHORITY

From: Michael Vaughn, Finance Director
Date: October 12, 2023
Subject: Claims List for the 10/17/2023 Bethany Development Authority Meeting

BETHANY DEVELOPMENT AUTHORITY

FUND	AMOUNT
Bethany Development Authority	\$0.00
TOTAL	\$0.00

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$954,107.90
Bethany Public Works Authority	\$251,652.77
Bethany Hospital Trust	\$0.00
Bethany Development Authority	\$0.00
TOTAL	\$1,205,760.67

RECOMMENDATION

1. Approve the claims as presented.

