
On Thursday, May 16, 2024, 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, MAY 21, 2024
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 May 7, 2024, 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.
 - C. PUBLIC IMPROVEMENT-ROUTINE ITEM: Accept the Sanitary Sewer Relocation project associated with Animal Welfare Expansion and place maintenance bond into effect.
 - D. Approval of Engagement Letter with Crawford & Associates for FY 2025 ending June 30, 2025, and authorize the mayor to sign the document on behalf of the City of Bethany.
 - E. Approval of FY 2025 General Mutual Cooperation Agreement between the City of Bethany and the Board of County Commissioners of Oklahoma County and authorize the mayor to sign the document.

- F. Approval of Minutes from the May 16, 2024, Special Called Meeting.
4. Mayoral Proclamation recognizing the week of May 19-25, 2024, as National Public Works Week.
 5. **PUBLIC HEARING ITEM:** Consideration and possible approval of Ordinance No. 2059, an ordinance amending the zoning ordinances, map, and comprehensive plan of the City of Bethany, Oklahoma, by including in C-G, Commercial General, the property located at NW 30th street and N Council Rd in Bethany, Oklahoma County, Oklahoma as more particularly described hereinafter. *(Ray Jones, City Manager)*
 - A. Presentation by staff and/or interested party.
 - B. Public comment.
 - C. Consideration and possible action to approve of Ordinance No. 2059, on reading by title only.
 - D. Motion to approve Section 1 of Ordinance No. 2059.
 - E. Motion to approve Section 2 of Ordinance No. 2059, the emergency section.
 6. Consideration and possible adoption of Resolution No. 1698, a resolution of the City Council of the City of Bethany, Oklahoma, adopting the Fiscal Year 2025 budget for the General Fund, miscellaneous funds, and various public trusts; affirming the authority of the City Manager to make transfers within the General Fund; and appropriating funds from the Capital Improvements Fund for specified equipment and projects. (Continued from the 5/07/2024 Regular Meeting.) *(Elizabeth Gray, City Manager)*
 7. Consideration and possible adoption of Resolution No. 1699, a resolution of the City Council of the City of Bethany, Oklahoma, approving the Fiscal Year 2025 Manual of Fees, which establishes the fees and costs charged by the City of Bethany, Oklahoma; authorizing periodic adjustment as necessary by the City Manager; and providing an effective date of July 1, 2024. (Tabled at the 5/07/2024 Regular Meeting.) *(Elizabeth Gray, City Manager)*
 8. 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.)*
 9. Consideration and possible approval of Amendment No. 1 and Change Order No. 1 to construction contract with Southwest Water Works, LLC for the Water Meter Automation Improvements Oklahoma County ARPA funds in the amount of \$60,900.00. *(Elizabeth Gray, City Manager)*
 10. Consideration and possible approval for permission to advertise for bids for Peniel Sanitary Sewer Force Main for American Rescue Plan Act (ARPA) grant project located on Peniel Avenue from NW 25th Street to NW 32nd Street. *(Elizabeth Gray, City Manager)*

11. Consideration and possible approval for permission to advertise for bids for General Obligation Bond Proposition 1-H Pavement Improvement Project located on Peniel Avenue from NW 25th Street to NW 32nd Street. *(Elizabeth Gray, City Manager)*
12. Consideration and possible approval of Construction Contract with Merritt Sealing Company dba Merritt Tennis and Track System for Ripper Park Pickleball Courts in the amount of \$89,182.47 and authorize the mayor to sign the document. *(Elizabeth Gray, City Manager)*
13. Consideration and possible approval of a Notice to Proceed for the use of the on-call services contract for Water and Wastewater Repair Services with Krapff-Reynolds Construction Co. for Sanitary Sewer Replacement at 6400 NW 31st Terrace as part of the residential structure demolition in the not to exceed amount of \$92,575.00. *(Elizabeth Gray, City Manager)*
14. Consideration and possible approval of ARPA Water Meter Automation Improvements Change order No. 3 and Amendment No. 3 to the contract with Southwest Water Works, LLC in a deduct amount of \$3,800.48 for a new contract price of \$2,379,539.37 and authorize the mayor to sign the document. *(Elizabeth Gray, City Manager)*
15. Consideration and possible approval of Amendment 1 to the Schedule of Meetings changing the time of the Planning and Zoning Commission meetings to 6:30 p.m. as requested by the commission. *(Elizabeth Gray, City Manager)*
16. Discussion and possible action for the city attorney to examine the city's utility ordinances and make recommendations to council regarding changes and/or updates provided in Title V: Public Works, Chapter 50: General Utility Provisions and ordinances therein entitled: Section 50.01- Classification; appeal and payment; Section 50.05- Billings in General; Section 50.06- Disconnection for late payment; policy and procedures and Section 50.07- Failure to Receive Statement; change of ownership. *(Robert Ray Jones, Jr.)*
17. Discussion and possible action to request the city attorney to examine the rules for city council and to compile them into a single location such as the council handbook or ordinance under Title III. *(Council Member, Marilyn McPhail)*
18. 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")*.
19. City Attorney's Report.
20. City Manager's Report.
 - A. Financial Report.
21. Mayor and Council Members Comments and Suggestions.
22. Adjourn until June 4, 2024.

BETHANY PUBLIC WORKS AUTHORITY

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3. Consideration and possible adoption of Resolution No. 1699, a resolution of the City Council of the City of Bethany, Oklahoma, approving the Fiscal Year 2025 Manual of Fees, which establishes the fees and costs charged by the City of Bethany, Oklahoma; authorizing periodic adjustment as necessary by the City Manager; and providing an effective date of July 1, 2024. (Tabled at the 5/07/2024 Regular Meeting.) *(Elizabeth Gray, City Manager)*
4. Consideration and possible approval of Amendment No. 1 and Change Order No. 1 to construction contract with Southwest Water Works, LLC for the Water Meter Automation Improvements Oklahoma County ARPA funds in the amount of \$60,900.00. *(Elizabeth Gray, City Manager)*
5. Consideration and possible approval for permission to advertise for bids for Peniel Sanitary Sewer Force Main for American Rescue Plan Act (ARPA) grant project located on Peniel Avenue from NW 25th Street to NW 32nd Street. *(Elizabeth Gray, City Manager)*
6. Consideration and possible approval of a Notice to Proceed for the use of the on-call services contract for Water and Wastewater Repair Services with Krapff-Reynolds Construction Co. for Sanitary Sewer Replacement at 6400 NW 31st Terrace as part of the residential structure demolition in the not to exceed amount of \$92,575.00. *(Elizabeth Gray, City Manager)*
7. Consideration and possible approval of ARPA Water Meter Automation Improvements Change order No. 3 and Amendment No. 3 to the contract with

Southwest Water Works, LLC in a deduct amount of \$3,800.48 for a new contract price of \$2,379,539.37 and authorize the mayor to sign the document. *(Elizabeth Gray, City Manager)*

8. 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”)*.
9. Adjourn until June 4, 2024.

BETHANY HOSPITAL TRUST

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3. 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”)*.
4. Adjourn until June 4, 2024.

BETHANY DEVELOPMENT AUTHORITY

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1. Consent Docket:
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- 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.
2. Consideration and possible adoption of Resolution No. 1698, a resolution of the City Council of the City of Bethany, Oklahoma, adopting the Fiscal Year 2025 budget for the General Fund, miscellaneous funds, and various public trusts; affirming the authority of the City Manager to make transfers within the General Fund; and appropriating funds from the Capital Improvements Fund for specified equipment and projects. (Continued from the 5/07/2024 Regular Meeting.) *(Elizabeth Gray, City Manager)*
 3. 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”).*
 4. Adjourn until June 4, 2024.

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 Monday May 6, 2024, at or before 4:59 p.m., amended 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, MAY 7, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Mayor
	Jeff Knapp	Vice- Mayor
	Chris Powell	Council Member
	Peter Plank	Council Member
	Marilyn McPhail	Council Member
	Kathy Larsen	Council Member
	Ken Smart	Council Member
	Steve Palmer	Council Member
	Brian Magirowsky	Council Member

MEMBERS ABSENT:

OTHERS PRESENT:	Elizabeth Gray	City Manager
	Michael Vaughn	City Clerk/Treasurer
	J. D. Reid	Chief of Police
	Leasa Furr	Human Resources Director
	Amanda McCellon	Community Development Director
	Phil Stowell	Public Works Director
	Rick Gregory	Public Utilities Superintendent
	(See Roster)	

ITEM NO. 1 on the agenda **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 Smart.

The Flag Salute was conducted by Mayor Lloyd.

Motion was made by Council Member Palmer, seconded by Council Member McPhail to move to Item 6 on the agenda. Yes votes: Lloyd, Larsen, Smart, Powell, Knapp, Palmer, Magirowsky, McPhail, and Plank. No votes: None. Motion passed.

ITEM NO. 6 on the agenda was **PROPOSED EXECUTIVE SESSION: CONSIDERATION AND POSSIBLE ACTION TO ENTER INTO EXECUTIVE SESSION TO DISCUSS THE STATUS OF NEGOTIATIONS BETWEEN THE CITY OF BETHANY AND IAFF LOCAL NO. 2085 AS AUTHORIZED BY 25 O.S. SECTION 307 (B) (2). (ELIZABETH GRAY, CITY MANAGER)**

A. ENTER EXECUTIVE SESSION

Motion was made by Council Member Palmer, seconded by Council Member McPhail to enter into Executive Session. Yes votes: Palmer, Larsen, McPhail, Lloyd, Magirowsky, Plank, Smart, Knapp, and Powell. No votes: None. Motion passed.

Council entered Executive Session at 6:32 p.m.

B. EXIT EXECUTIVE SESSION

Motion was made by Council Member Magirowsky, seconded by Council Member Smart to exit Executive Session. Yes votes: Smart, Lloyd, Powell, McPhail, Magirowsky, Palmer, Plank, Knapp, and Larsen. No votes: None. Motion passed.

Council exited Executive Session at 6:45 p.m.

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

A. APPROVAL OF MINUTES FROM APRIL 16, 2024, REGULAR MEETING.

B. APPROVAL OF MINUTES FROM THE APRIL 11, 2024, SPECIAL CALLED MEETING.

C. APPROVAL OF MINUTES FROM THE APRIL 23, 2024, SPECIAL CALLED MEETING.

D. APPROVAL OF MINUTES FROM THE APRIL 26, 2024, SPECIAL CALLED MEETING.

E. 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.

F. APPROVAL OF BUDGET AMENDMENT 24-15.

G. APPROVAL TO RENEW HAZARDOUS WASTE INTER-GOVERNMENT AGREEMENT WITH THE CITY OF OKLAHOMA CITY AND AUTHORIZE THE MAYOR TO SIGN A LETTER REQUESTING RENEWAL OF THE AGREEMENT FOR FY 2025.

Motion was made by Council Member Magirowsky, seconded by Council Member Smart to approve the Consent Docket as presented. Council Member Palmer requested the motion be amended to strike the minutes for April 23rd to have them be amended with additional information. Council Member Magirowsky stated his motion stands. Yes votes: Larsen, Knapp, Lloyd, Magirowsky, and Plank. No votes: Smart, Palmer, Powell, and McPhail. Motion passed.

ITEM NO. 4 on the agenda was **MAYORAL CERTIFICATE OF APPRECIATION FOR J. SCOTT HOPKINS.**

Mayor Lloyd presented Scott Hopkins a Certificate of Appreciation for serving on the Board of Adjustment from 2019-2024.

ITEM NO. 5 on the agenda was **MAYORAL PROCLAMATION DECLARING MAY 5 THROUGH MAY 11, 2024, AS PUBLIC SERVICE RECOGNITION WEEK.**

Mayor Lloyd read a proclamation declaring May 5-11, 2024, as Public Service Recognition Week and presented the proclamation to Finance Director Michael Vaughn, Chief of Police J. D. Reid, Human Resources Director Leasa Furr, Community Development Director Amanda McCellon, Public Works Director Phil Stowell, and Public Utilities Superintendent Rick Gregory on behalf of all employees.

ITEM NO. 7 on the agenda was **CONSIDERATION AND POSSIBLE ACTION TO APPROVE A NEW COLLECTIVE BARGAINING AGREEMENT FOR FY 2025 BETWEEN THE CITY OF BETHANY AND IAFF LOCAL NO. 2085. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Larsen, seconded by Council Member Smart to approve a new collective bargaining agreement for FY 2025 between the City of Bethany and IAFF Local No. 2085 as presented. Yes votes: Powell, Plank, Palmer, McPhail, Lloyd, Magirowsky, Smart, Larsen, and Knapp. No votes: none. Motion passed.

Mayor Lloyd moved to Item No. 23 on the agenda.

ITEM NO. 23 on the agenda was **PUBLIC HEARING ITEM: CONSIDERATION AND POSSIBLE APPROVAL OF ORDINANCE NO. 2058, AN ORDINANCE AMENDING THE ZONING ORDINANCES, MAP, AND COMPREHENSIVE PLAN OF THE CITY OF**

BETHANY, OKLAHOMA, BY INCLUDING IN C-G, COMMERCIAL GENERAL, THE PROPERTY LOCATED AT 3409 N. ROCKWELL AVE. IN BETHANY, OKLAHOMA COUNTY, OKLAHOMA AS MORE PARTICULARLY DESCRIBED HEREINAFTER. (RAY JONES, CITY ATTORNEY)

A. PRESENTATION BY STAFF AND/OR INTERESTED PARTY.

City Manager Gray gave a brief presentation.

Mayor Lloyd opened the Public Hearing:

Cristal Escobar (Applicant), 7200 NW 32nd St, Bethany

B. CONSIDERATION AND POSSIBLE ACTION TO APPROVE OF ORDINANCE NO. 2058, ON READING BY TITLE ONLY.

Motion was made by Council Member Powell, seconded by Council Member Knapp to approve Ordinance No. 2058, on reading by title only as presented. Yes votes: Smart, Larsen, Lloyd, Palmer, Plank, Powell, Knapp, and Magirowsky. No votes: McPhail. Motion passed.

C. MOTION TO APPROVE SECTIONS 1 OF ORDINANCE NO. 2058.

Motion was made by Council Member Knapp, seconded by Council Member Magirowsky to approve Section 1 of Ordinance No. 2058 as presented. Yes votes: Larsen, Smart, Palmer, Knapp, Lloyd, Magirowsky, Plank, Powell, and McPhail. No votes: none. Motion passed.

D. MOTION TO APPROVE SECTION 2 OF ORDINANCE NO. 2058, THE EMERGENCY SECTION.

Motion was made by Council Member Magirowsky, seconded by Council Member Knapp to approve Section 2 of Ordinance No. 2058, the emergency section as presented. Yes votes: Palmer, Larsen, McPhail, Lloyd, Magirowsky, Plank, Smart, Knapp, and Powell. No votes: none. Motion passed.

ITEM NO. 8 on the agenda was **PUBLIC HEARING ITEM: FY24 CDBG GRANT PROJECT; APPLICATION FOR PROPOSED WATERLINES IMPROVEMENTS PROJECT. (ELIZABETH GRAY, CITY MANAGER)**

A. MOTION TO ENTER INTO PUBLIC HEARING.

Motion was made by Council Member Knapp, seconded by Council Member Larsen to enter into the public hearing. Yes votes: McPhail, Knapp, Powell, Magirowsky, Smart, Larsen, Plank, Palmer, and Lloyd. No votes: none. Motion passed.

There were no speakers.

B. MOTION TO CLOSE PUBLIC HEARING.

Motion was made by Council Member Magirowsky, seconded by Council Member Larsen to exit the public hearing. Yes votes: Knapp, Lloyd, Palmer, Larsen, Plank, Powell, Smart, McPhail, and Magirowsky. No votes: none. Motion passed.

ITEM NO. 9 on the agenda was CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1696 TO APPLY FOR FY-2024 CDBG GRANT FOR PROPOSED WATERLINES IMPROVEMENTS PROJECT. (ELIZABETH GRAY, CITY MANAGER)

Motion was made by Council Member Palmer, seconded by Council Member Smart to approve adoption of Resolution No. 1696 to apply for FY-2024 CDBG Grant for proposed Waterlines Improvements Project as presented. Yes votes: Magirowsky, Smart, Palmer, Knapp, Lloyd, Larsen, Plank, Powell, and McPhail. No votes: none. Motion approved.

ITEM NO. 10 on the agenda was CONSIDERATION AND POSSIBLE ACTION ON ADOPTING CITIZEN'S PARTICIPATION PLAN FOR FY-2024 CDBG PROGRAM. (ELIZABETH GRAY, CITY MANAGER)

Motion was made by Council Member Palmer, seconding by Council Member Smart to approve adopting Citizen's Participation Plan for FY-2024 CDBG Program as presented. Yes votes: Plank, McPhail, Powell, Knapp, Lloyd, Magirowsky, Larsen, Palmer, and Smart. No votes: none. Motion approved.

ITEM NO. 11 on the agenda was CONSIDERATION AND POSSIBLE ACTION ON RESOLUTION NO. 1697 ON LEVERAGE (MATCHING) FUNDS FOR FY-2024 CDBG PROPOSED WATERLINES IMPROVEMENTS PROJECT. (ELIZABETH GRAY, CITY MANAGER)

Motion was made by Council Member Palmer, seconded by Council Member Larsen to adopt Resolution No. 1697 on leverage (matching) funds for FY-2024 CDBG Project Waterlines Improvements Project as presented. Yes votes: Powell, Larsen, McPhail, Lloyd, Magirowsky, Plank, Knapp, Smart, and Palmer. No votes: none. Motion passed.

ITEM NO. 12 on the agenda was CONSIDERATION AND POSSIBLE ACTION ON ADOPTING RESIDENTIAL ANTI-DISPLACEMENT PLAN FOR FY-2024 CDBG PROPOSED WATERLINES IMPROVEMENTS PROJECT. (ELIZABETH GRAY, CITY MANAGER)

Motion was made by Council Member Palmer, seconded by Council Member Larsen to adopt Residential Anti displacement Plan for FY-2024 CDBG Proposed Water-lines Improvements Project as presented. Yes votes: Smart, Larsen, McPhail, Lloyd, Palmer, Plank, Powell, Knapp, and Magirowsky. No votes: none. Motion passed.

ITEM NO. 13 on the agenda was **MAYORAL PROCLAMATION: 2024 FAIR HOUSING PROCLAMATION.**

Mayor Lloyd read the 2024 Fair Housing Proclamation.

ITEM NO. 14 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 28th St, Bethany
Florence Fly, 2100 N Glade Ave, Bethany

ITEM NO. 15 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1698, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, ADOPTING THE FISCAL YEAR 2025 BUDGET FOR THE GENERAL FUND, MISCELLANEOUS FUNDS, AND VARIOUS PUBLIC TRUSTS; AFFIRMING THE AUTHORITY OF THE CITY MANAGER TO MAKE TRANSFERS WITHIN THE GENERAL FUND; AND APPROPRIATING FUNDS FROM THE CAPITAL IMPROVEMENTS FUND FOR SPECIFIED EQUIPMENT AND PROJECTS. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Palmer, seconded by Council Member Smart to continue Item 15 to the next council meeting. Yes votes: Smart, Palmer, Knapp, Lloyd, Magirowsky, Plank, Powell, and McPhail. No votes: Larsen. Motion passed.

ITEM NO. 16 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1699, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, APPROVING THE FISCAL YEAR 2025 MANUAL OF FEES, WHICH ESTABLISHES THE FEES AND COSTS CHARGED BY THE CITY OF BETHANY, OKLAHOMA; AUTHORIZING PERIODIC ADJUSTMENT AS NECESSARY BY THE CITY MANAGER; AND PROVIDING AN EFFECTIVE DATE OF JULY 1, 2024. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Powell, seconded by Council Member Palmer to table Item 16 to the next council meeting. Yes votes: Palmer, Larsen, McPhail, Lloyd, Magirowsky, Plank, Smart, Knapp, and Powell. No votes: none. Motion passed.

ITEM NO. 17 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF ORDINANCE NO. 2057, AN ORDINANCE AMENDING TITLE IV, CHAPTER 37, SECTION 37.05 OF THE BETHANY CODE OF ORDINANCES BY AMENDING SECTION 37.05 VACATION BENEFITS. (RAY JONES, CITY ATTORNEY)**

A. PRESENTATION BY STAFF AND/OR INTERESTED PARTY.

City Manager Gray gave a brief presentation.

B. CONSIDERATION AND POSSIBLE ACTION TO APPROVE OF ORDINANCE NO. 2057, ON READING BY TITLE ONLY.

C. MOTION TO APPROVE SECTIONS 1-3 OF ORDINANCE NO. 2057.

Motion was made by Council Member Larsen, seconded by Council Member Magirowsky to approve Item 17 (B) approval of Ordinance No. 2027, on reading by title only and (C) approve Sections 1-3 of Ordinance No. 2057 as presented. Yes votes: Smart, Lloyd, Powell, McPhail, Magirowsky, Palmer, Plank, Knapp, and Larsen. No votes: none. Motion passed.

ITEM NO. 18 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF UPDATED PERSONNEL HANDBOOK. (RAY JONES, CITY ATTORNEY)**

Motion was made by Council Member Larsen, seconded by Council Member Knapp to approve the updated Personnel Handbook as presented. Yes votes: McPhail, Knapp, Powell, Magirowsky, Smart, Larsen, Plank, Palmer, and Lloyd. No votes: none. Motion passed.

ITEM NO. 19 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF CHANGE ORDER NO. 1 WITH LUCKINBILL CONSTRUCTION CO., LLC FOR SANITARY SEWER TO SERVE ANIMAL WELFARE FACILITY IN THE AMOUNT OF \$4,650.00. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Larsen, seconded by Council Member Smart to approve Change Order No. 1 with Luckinbill Construction Co., LLC for sanitary sewer to serve Animal Welfare Facility in the amount of \$4,650.00 as presented. Yes votes: Knapp, Lloyd, Palmer, Larsen, Plank, Powell, Plank, Powell, and McPhail. No votes: none. Motion passed.

ITEM NO. 20 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL TO ACCEPT THE EMERGENCY REPAIRS TO THE WATERLINE, STORM SEWER, AND PAVEMENT AT THE INTERSECTIONS OF NW 23RD STREET AND COUNCIL ROAD FOR OKLAHOMA WATER RESOURCES BOARD REIMBURSEMENT. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Magirowsky, seconded by Council Member Smart to accept the emergency repairs to the waterline, storm sewer, and pavement at the intersections of NW 23rd Street and Council Road for Oklahoma Water Resources Board reimbursement as presented. Yes votes: Magirowsky, Smart, Palmer, Knapp, Lloyd, Larsen, Plank, Powell, and McPhail. No votes: none. Motion passed.

ITEM NO. 21 on the agenda was **CONSIDERATION AND POSSIBLE ACTION VOTING FOR THREE TRUSTEES TO THE OKLAHOMA MUNICIPAL ASSURANCE GROUP. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Council Member Powell, seconded by Council Member Plank to vote for Mike Bailey, Craig Stephenson, and David Mason as Trustees to the Oklahoma Municipal Assurance Group. Yes votes: Plank, McPhail, Powell, Knapp, Lloyd, Magirowsky, Larsen, and Smart. No votes: none. Abstain: Palmer. Motion passed.

ITEM NO. 22 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF MAYOR AND WARD SELECTIONS FOR CHARTER REVIEW BOARD.**

- A. **WARD I - LIZ SAWYER**
- B. **WARD II - NO CANDIDATE**
- C. **WARD III - ARVEL WILLIAMS**
- D. **WARD IV – NO CANDIDATE**
- E. **AT-LARGE - ROB HIGH**

Motion was made by Council Member Palmer, seconded by Council Member Smart to approve Item 22 as presented with the amendment of adding himself, Stephen Palmer as the Ward II representative. Yes votes: McPhail, Smart, and Palmer. No votes: Powell, Larsen, Lloyd, Magirowsky, Plank, and Knapp. Motion failed.

ITEM NO. 24 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. 25 on the agenda was the **CITY ATTORNEY'S REPORT.**

ITEM NO. 26 on the agenda was the **CITY MANAGER'S REPORT.**

City Manager Gray gave a City Manager's Report.

ITEM NO. 27 on the agenda was **COUNCIL MEMBERS' ANNOUNCEMENTS, COMMENTS, AND PROPOSALS.**

Each Council Member was given the opportunity to comment.

ITEM NO. 28 on the agenda was **ADJOURN UNTIL MAY 21, 2024.**

Mayor Lloyd adjourned the Bethany City Council meeting at 8:12 P.M.

MAYOR

CITY CLERK

BETHANY CITY COUNCIL

From: Michael Vaughn, Finance Director
Date: May 16, 2024
Subject: Claims list for the 05/21/2024 City Council Meeting

GENERAL OPERATIONS FUND

FUND	AMOUNT
General Operations Fund	\$ 117,334.25
Public Safety Fund	\$ 276.48
Capital Improvement Fund	\$ 1,140.50
Federal Grant Fund	\$ 165,778.57
Debt Service	\$ 1,482,581.25
2022A GO Bond	\$ 363,696.62
Municipal Court Fund	\$ 13,859.92
Cemetery Fund	\$ -
TOTAL	\$ 2,144,667.59

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 2,144,667.59
Bethany Public Works Authority	\$ 167,088.47
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 2,311,756.06

RECOMMENDATION

1. Approve claims as presented.



P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-50527	10-005216	PERDUE BRANDON FIELDER COLLAPR 2024	COLLECTION RPT	5/2024	APR 2024	4,297.70
DEPARTMENT TOTAL:						4,297.70
DEPARTMENT: 01.0		MANAGEMENT				
24-48126	10-004660	MOTHER NATURE'S INC.	PEST INSIDE/OUTSIDE	5/2024	1448522	120.00
24-48170	10-005084	JAN-PRO CLEANING SYSTEMS	CH CLEANING SVC.	5/2024	INV53231	813.00
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	1,455.83
24-50530	10-005321	AMAZON CAPITAL SERVICES,	INMISC OFFICE SUPPLIES	5/2024	3408242	32.44
24-48991	10-005373	CARD SERVICES/PI	MICROSOFT BUSINESS LICENS	5/2024	E0300S05YD	512.50
24-49572	10-005373	CARD SERVICES/PI	MICRO AZURE DIRECTORYYYYY	5/2024	E0300S04RQ	456.00
24-49668	10-005373	CARD SERVICES/PI	EMPLOYMENT ADS	5/2024	92022520	178.31
24-50517	10-005373	CARD SERVICES/PI	ICMA MEMBERSHIP RENEWAL	5/2024	2024	966.00
24-48257	10-005519	CRAWFORD & ASSOCIATES, P.C.	AUDIT PREP/FINANCIAL SVC	5/2024	18256	5,620.00
24-50358	10-005703	FLOOR-TECH JANITORIAL	PAPERTOWELS&TRASHBAGS	5/2024	5489	188.25
24-48194	10-005851	LYTLE, SOULE' & FELTY, P.C.	ATTORNEY MNTLY CONTRACT	5/2024	301899	5,000.00
24-50060	10-005851	LYTLE, SOULE' & FELTY, P.C.	OUTSIDE CONTRACT	5/2024	301901	1,091.50
24-50626	10-005900	TEIM DESIGN GROUP, PLLC	REIMBURSABLES	5/2024	12644-	107.40
24-50596	10-1	FRANK PREWITT III	OSBI REIMBURSEMENT	5/2024	24-50596	19.00
24-50597	10-1	JUSTYCE BIBLE	OSBI REIMBURSEMENT	5/2024	24-50597	19.00
24-50598	10-1	RUDY RAMIREZ RUIZ	OSBI REIMBURSEMENT	5/2024	24-50598	19.00
24-48079	10-2274	OZARKA WATER COMPANY	MO RENTAL/WATER	5/2024	36385096	25.44
24-49861	10-2448	MARGARET MCMORROW-LOVE	LEGAL SVC	5/2024	20240501	1,607.00
24-48167	10-3196	IMAGENET CONSULTING, LLC	MONTHLY SVC IT	5/2024	INV913425	7,547.50
24-50585	10-3331	RUCKER MECHANICAL	COUNCIL ROOM UNIT #8	5/2024	96881	546.25
24-48078	10-4310	AMERIFLEX	FSA ADMIN FEE	5/2024	INV733634	185.50
DEPARTMENT TOTAL:						26,509.92
DEPARTMENT: 02.0		FINANCE				
24-50554	10-005321	AMAZON CAPITAL SERVICES,	INKNEE PADS, USB HUB, PAPER	5/2024	6570651	34.30
24-48761	10-006132	ARLEDGE	FY 2024 AUDIT	5/2024	45614A	21,600.00
DEPARTMENT TOTAL:						21,634.30

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 03.0		COURT				
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	440.41
24-48041	10-3342	JANI-KING OF OKLAHOMA, INC.	JANITORIAL SERVICE	5/2024	OKC05240111	640.66
DEPARTMENT TOTAL:						1,081.07
DEPARTMENT: 05.0		POLICE				
24-48066	10-004660	MOTHER NATURE'S INC.	Spraying for Bugs Monthly	5/2024	1448521	60.00
24-50544	10-004808	ADVANTAGE BATTERY OF OKLAHO	Battery for UPS	5/2024	112033	22.99
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	1,362.85
24-50541	10-005321	AMAZON CAPITAL SERVICES, IN	Pens and Labels	5/2024	2942618	227.55
24-50555	10-005321	AMAZON CAPITAL SERVICES, IN	Access Cards & WIFI Route	5/2024	0592221	303.97
24-50547	10-005373	CARD SERVICES/PI	Jnitorial Supplies	5/2024	20240507	234.06
24-48096	10-005634	INNOVATIVE SECURITY OF OKLA	Monthly Monitoring Fee	5/2024	687382	19.95
24-48063	10-005850	ABC CLINIC	Spay and Neuter	5/2024	0044	1,255.00
24-50508	10-005992	AEG PETROLEUM	Oil for Police Fleet	5/2024	862108	739.75
24-50574	10-0225	GENUINE PARTS	OIL FILTERS	5/2024	060546	293.55
24-50579	10-1726	BETHANY COUNTRY STORE	DOG FOOD AND CAT LITTER	5/2024	20240510	425.00
24-48405	10-2274	OZARKA WATER COMPANY	Yearly Water for Shelter	5/2024	1006366	9.99
24-48137	10-2442	SUMNERONE, INC.	Kyocera Usage	5/2024	3934381	143.09
24-48060	10-3084	UTILITY DATA SERVICES, INC.	Monthly Minimum Fee	5/2024	105993	12.50
24-48059	10-3342	JANI-KING OF OKLAHOMA, INC.	PD Cleaning	5/2024	OKC05240110	1,774.66
24-50013	10-3527	GEARWORKS	Unit 20-001 Graphics	5/2024	9078	155.00
24-50327	10-4090	AT&T MOBILITY	Radio Dedicated Line	5/2024	8178598808	1,137.51
DEPARTMENT TOTAL:						8,177.42
DEPARTMENT: 06.0		FIRE				
24-50557	10-004408	BOUND TREE MEDICAL	DEFIB PADS AND NITRILE GL	5/2024	85339451	637.30
24-50590	10-004817	KYLE FREEMAN	OFFICER 3 REIMBURSEMENT	5/2024	20240507	1,273.00
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	695.35
24-48986	10-005510	SAMARITAN EMS	EMS SERVICE	5/2024	6703	17,989.75
24-50353	10-1165	CONRAD FIRE EQUIPMENT	2000 FT OF FIRE ATTACK HO	5/2024	575099	4,764.51
24-49232	10-3415	SPECIAL-OPS UNIFORMS, INC.	UNIFORM PANTS	5/2024	348405	195.72
24-50534	10-3415	SPECIAL-OPS UNIFORMS, INC.	NOMEX UNIFORM PANTS	5/2024	349307	399.98
24-50533	10-4090	AT&T MOBILITY	MOBILE DATA FOR IPADS	5/2024	X04192024	84.08
DEPARTMENT TOTAL:						26,039.69

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 07.0		COMMUNITY DEV				
24-49995	10-005470	PIKEPASS	PIKE PASS FEES	5/2024	20240400934	2.80
24-48987	10-005689	CHALLENGER LANDSCAPING AND	FOR NOV ABATEMENTS	5/2024	6400 NW 31 TER	650.00
24-50474	10-1530	THE TRIBUNE	PUBLICATION	5/2024	20240503	82.15
24-50521	10-1771	ADVENTURE OUT	SPRAY IN BEDLINER	5/2024	555532	480.00
24-50604	10-3348	COUNTY CLERK OKLA COUNTY	LIEN/RELEASE	5/2024	24-50604	18.00
24-50606	10-3348	COUNTY CLERK OKLA COUNTY	LIEN/RELEASE	5/2024	24-50606	18.00
DEPARTMENT TOTAL:						1,250.95
DEPARTMENT: 08.1		PUBLIC WORKS - ADMIN				
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	457.00
24-50358	10-005703	FLOOR-TECH JANITORIAL	PAPERTOWELS&TRASHBAGS	5/2024	5489	66.25
DEPARTMENT TOTAL:						523.25
DEPARTMENT: 08.2		PUBLIC WORKS - STREETS				
24-48191	10-004688	TLS GROUP, INC.	SIGNAL LIGHT MAINTENANCE	5/2024	0524-1807	480.00
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	451.42
24-50520	10-005321	AMAZON CAPITAL SERVICES,	INTOILETCLOSETREPAIRKITSOAP	5/2024	6768243	13.15
24-50489	10-005997	BOBCAT COMPANY	GLASS FOR UNIT #74	5/2024	P05466	429.29
24-50509	10-0225	GENUINE PARTS	BATTERY FOR UNIT #77	5/2024	7092-059730	101.71
24-50573	10-0694	HASKELL LEMON CONST CO	4 TONS OF ASPHALT	5/2024	8586	332.80
24-50578	10-0694	HASKELL LEMON CONST CO	3 TONS ASPHALT	5/2024	8615	176.80
24-50438	10-0890	LUTHER SIGN CO	2 STOP SIGNS & SPEED SIGN	5/2024	13695	261.84
24-49669	10-1063	OG&E	MNTHLY BILLS	5/2024	20240507	13,628.93
DEPARTMENT TOTAL:						15,875.94
DEPARTMENT: 08.4		PUBLIC WORKS - MAINT				
24-50520	10-005321	AMAZON CAPITAL SERVICES,	INTOILETCLOSETREPAIRKITSOAP	5/2024	6768243	13.15
24-50491	10-005992	AEG PETROLEUM	DEF FLUID	5/2024	861877	104.70
24-50492	10-005992	AEG PETROLEUM	OIL FOR OIL CHANGES	5/2024	861878	369.88
DEPARTMENT TOTAL:						487.73

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 08.5		PUBLIC WORKS - PARKS				
24-48189	10-0006	A WELDORS SUPPLY	WELDING TANK RENTAL	5/2024	267038	24.00
24-50472	10-0006	A WELDORS SUPPLY	WELDING SUPPLES POOL	5/2024	7125017	38.18
24-50488	10-004996	GOODYEAR COMMERCIAL TIRE &	TIRE FOR UNIT #55	5/2024	255-1029482	121.90
24-50522	10-005005	BRONCO EQUIPMENT RENTAL &	SPOWER WASHER FOR POOL	5/2024	875853-0001	81.40
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	29.49
24-50520	10-005321	AMAZON CAPITAL SERVICES,	INTOILETCLOSETREPAIRKITSOAP	5/2024	6768243	278.60
24-50612	10-005321	AMAZON CAPITAL SERVICES,	IN30 POOL CHAIRS	5/2024	1223447	3,110.38
24-49042	10-005350	FORCE PERSONNEL	TEMP HELP	5/2024	78016	3,864.00
24-50537	10-0091	BRENNTAG SOUTHWEST INC	HYDROCHLORIC ACID	5/2024	BSW545354	602.50
24-50490	10-0609	BOBCAT OF OKLAHOMA CITY	BLADE MOUNT ZERO TURN	5/2024	P05552	248.87
24-50499	10-0668	HAYES ELECTRIC	PLUG BOX AT MACORY PARK	5/2024	78093	100.91
24-48282	10-1063	OG&E	MNTHLY SVC	5/2024	20240507	172.98
24-50497	10-1622	WESTLAKE ACE HARDWARE	PAINTING SUPPLIESFORPARKS	5/2024	3504126	142.02
24-50510	10-1622	WESTLAKE ACE HARDWARE	CLEANINGSUPPLIESFORPOOL	5/2024	3504129	142.06
24-50560	10-1622	WESTLAKE ACE HARDWARE	WATER NOZZLE PICKUP TOOL	5/2024	3504140	44.57
24-50566	10-1622	WESTLAKE ACE HARDWARE	CUTTING WHEEL	5/2024	3504143	17.98
24-50584	10-1622	WESTLAKE ACE HARDWARE	CUTTING WHEEL FOR WELDING	5/2024	3504151	23.98
24-50592	10-1622	WESTLAKE ACE HARDWARE	PAINTSUPPLIESFORPOOLSHELT	5/2024	3504152	197.46
24-50609	10-1622	WESTLAKE ACE HARDWARE	SUPPLIES FOR POOL CLEANIN	5/2024	3504136	101.09
24-50136	10-1726	BETHANY COUNTRY STORE	HERBICIDES	5/2024	032020242	224.00
24-50171	10-1726	BETHANY COUNTRY STORE	CHEMICALS FOR SPRAYING	5/2024	032620241	672.00
24-50262	10-1726	BETHANY COUNTRY STORE	ROUNDUP	5/2024	010320241	53.50
24-50569	10-1726	BETHANY COUNTRY STORE	ROUND UP	5/2024	050820241	53.50
24-50513	10-1971	HIS PAINT	PAINT FOR SHELTERS	5/2024	5914	189.95
24-50480	10-2648	MUNGER PAINTS	PAINT FOR PLAYGROUND EQUI	5/2024	204397	359.94
24-50586	10-2648	MUNGER PAINTS	PAINT FOR POOL SHELTER	5/2024	204530	121.98
24-50506	10-2651	RECREATION SUPPLY CO	1 LIFEGUARD CHAIR	5/2024	524059	439.04
DEPARTMENT TOTAL:						11,456.28
FUND TOTAL:						117,334.25

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 99.0		NON-DEPARTMENTAL				
24-48056	10-004789	TRADS, INC	APRIL 2024	5/2024	APR 2024	170.00
24-50543	10-005321	AMAZON CAPITAL SERVICES, IN	Wiring for Cameras	5/2024	3780262	106.48
DEPARTMENT TOTAL:						276.48
FUND TOTAL:						276.48

FUND: 031- CAPITAL IMPROVE PROJECTS

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 40.0		PROJECTS >\$25,000				
24-48503	10-005900	TEIM DESIGN GROUP, PLLC	CRSAA MILL OVERLAY RKWEL	5/2024	12648	1,140.50
DEPARTMENT TOTAL:						1,140.50
FUND TOTAL:						1,140.50

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	5/2024	12646	5,459.50
24-50588	10-005981	LUCKINBILL CONSTRUCTION CO.A/C	CHANGE ORDER #1	5/2024	INV. #2	4,650.00
DEPARTMENT TOTAL:						10,109.50
DEPARTMENT: 41.0		Well and Wellfield Proj.				
24-48514	10-005900	TEIM DESIGN GROUP, PLLC	ARPA WELL AND WELLFIELD	5/2024	12671	39,519.07
24-50226	10-006170	DIVERSIFIED CONSTRUCTION	OFWELL FIELD REHAB	5/2024	PAY APP 1	115,615.00
DEPARTMENT TOTAL:						155,134.07
DEPARTMENT: 42.0		Automated Meter Project				
24-49306	10-005900	TEIM DESIGN GROUP, PLLC	WATER METER AUTOMATION	5/2024	12672	535.00
DEPARTMENT TOTAL:						535.00
FUND TOTAL:						165,778.57

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 99.0		NON-DEPARTMENTAL				
24-50595	10-005481	BANCFIRST BLT	2016 BOND	5/2024	20240601	495,487.50
24-50473	10-3436	BANCFIRST	G6021-BOND	5/2024	20240601-2022B	987,093.75
DEPARTMENT TOTAL:						1,482,581.25
FUND TOTAL:						1,482,581.25

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 40.0		Projects				
24-50278	10-004688	TLS GROUP, INC.	PROP 1B 36TH/RKWELL	5/2024	PAY APP 2	49,507.13
24-50282	10-004688	TLS GROUP, INC.	PROP 1A 23/RKWELL	5/2024	PAY APP 2	49,507.13
24-48490	10-005900	TEIM DESIGN GROUP, PLLC	PROP 3C ANIMAL WELFARE	5/2024	12645	6,783.75
24-48500	10-005900	TEIM DESIGN GROUP, PLLC	PROP 3B POLICE RENOVATION	5/2024	12669	1,074.00
24-48844	10-005900	TEIM DESIGN GROUP, PLLC	PROP 2F MENDENALL PARK	5/2024	12644	358.00
24-48956	10-005900	TEIM DESIGN GROUP, PLLC	PROP 2 A-ELDON LYON PARK	5/2024	12643-	1,640.00
24-49670	10-005900	TEIM DESIGN GROUP, PLLC	PROP 1C 36TH/COUNCIL	5/2024	12647	274.00
24-50627	10-005900	TEIM DESIGN GROUP, PLLC	PROP 2-C GARRRISON PARK	5/2024	12643-	268.50
24-49357	10-005932	LIPPERT BROTHERS, INC.	PROP 3A FIRE STATION	5/2024	FD PAY APP 5	254,284.11
DEPARTMENT TOTAL:						363,696.62
FUND TOTAL:						363,696.62

FUND: 072- MUNICIPAL COURT FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-50523	10-1869	CLEET	APR 2024 CLEET REPORT	5/2024	APRIL 2024-	4,834.62
24-50524	10-1970	OSBI	APR 2024 AFIS REPORT	5/2024	APR 2024-	4,609.15
24-50525	10-1970	OSBI	APR 2024 FORENSIC RPT	5/2024	APR 24	4,406.15
24-50526	10-4235	OKLA BUREAU OF NARCOTICS	APR 2024 OBN REPORT	5/2024	APR 2024	10.00
DEPARTMENT TOTAL:						13,859.92
FUND TOTAL:						13,859.92
GRAND TOTAL:						2,311,756.06

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: May 13, 2024
Subject: PUBLIC IMPROVEMENT-ROUTINE ITEM: Accept the Sanitary Sewer Relocation project associated with Animal Welfare Expansion and place maintenance bond into effect

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 3, that included Proposition 3-C Repairing, Renovating and Equipping the Animal Welfare Facility. During design it was found there was a sanitary sewer that would be in conflict with the expansion project.

On April 4, 2023, the City of Bethany entered into a contract for engineering and design services with TEIM Design, LLC. Bids were opened on December 21, 2023, and the project was awarded to Luckinbill Construction Co., LLC. in the amount of \$123,792.00.

On May 7, 2024, council approved Change Order No. 1 for additional sewer that needed to be replaced in the amount of \$4,650.00 for a revised contract amount of \$128,842.00.

The work is now complete.

RECOMMENDATION

- Approve plans
- Accept dedication
- Acknowledge receipt
- Accept improvements
- Place maintenance bond into effect



ADDITIONAL COMMENTS

The above matters are on the consent docket because they involve routine, administrative functions and normally require no council discussion. If you would like further information on any item, you may request that it be removed from the consent docket and considered separately. Funding for this project came from the Federal ARPA Peniel grant



TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 10, 2024

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

Re: Sanitary Sewer Relocate for Animal Welfare
Final Acceptance

Dear Ms. Gray,

We have completed our final inspection for the above referenced project and recommend the City of Bethany accept the project.

Please let me know if you require anything further.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'RW' or 'Robbie Williams'.

Robbie Williams, PE

Attachment: Maintenance Bond

MAINTENANCE BOND

Bond No. RCB0046236

KNOW ALL MEN BY THESE PRESENTS:

That we, Luckinbill Construction Company, LLC, as Principal, and RLI Insurance Company, 9025 N. Lindbergh Drive, Peoria, IL 61615, as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma, in the full and just sum of one hundred twenty three thousand seven hundred ninety two dollars and zero cents (\$123,792.00) such sum being equal to the contract amount for a period of one (1) year and thereafter for a period of one (1) year for the sum of eighteen thousand five hundred sixty eight dollars and eighty cents (\$18,568.80), such sum being not less than 15% of the contract price, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this 28th day of December, A.D., 2023.

The conditions of this obligation are such, that whereas, said Principal, has a certain contract between Luckinbill Construction Company, LLC, and the CITY OF BETHANY dated this 16th day of January, 2024, agreed to construct in the City of Bethany:

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

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the City Clerk of the City of Bethany; and to maintain the said improvement in the amounts set forth above against any failure due to workmanship or material for a period of **two (2) year** from the date of acceptance of the completed project by the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal shall pay or cause to be paid to the Authority all damage, loss, and expense which may result by reason of defective materials and/or workmanship in connection with said work, occurring within a period of **two (2) years** from and after acceptance of said project by the Authority; and if Principal shall pay or cause to be paid all labor and materials, including the prime contractor and all sub-contractors; and if Principal shall save and hold the Authority harmless from all damages, loss, and expense occasioned by or resulting from any failure whatsoever of said Principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further agreed that if the said Principal or Surety herein shall fail to maintain said improvements against any failure due to defective workmanship and/or materials for a period of **two (2) years** and at any time repairs shall be necessary that the cost of making repairs shall be determined by the CITY OF BETHANY, or some person(s) designated by them to ascertain the same, and if, upon thirty (30) days notice, the said amount ascertained shall not be paid by the Principal or Surety herein, or if the necessary repairs are not made, that said amount shall become due upon the expiration of thirty (30) days and suit may be maintained to recover the amount so determined in any Court of competent jurisdiction. And that the amount so determined shall be conclusive upon the parties as to the amount due on this bond for the repair or repairs included therein, and that the cost of all repairs shall be so determined from time to time during the life of this bond as the condition of the improvements may require.

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.

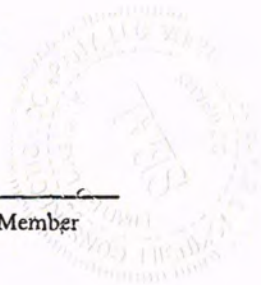
IN WITNESS WHEREOF, the said Principal has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its duly authorized officers, and the said Surety has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its attorney-in-fact, duly authorized so to do, the day and year first above written.

Luckinbill Construction Company, LLC.

ATTEST:

Cindy Cooley
Secretary

By Robert Gibson
Principal Robert Gibson, Managing Member



RLI Insurance Company

ATTEST:

Carla Sutton
Secretary

By Donald C. Bowers
Surety Donald C. Bowers, Attorney-in-Fact

Approved as to form this 14 day of January, A.D., 2024.

Robert Long
City Attorney

POWER OF ATTORNEY

RLI Insurance Company Contractors Bonding and Insurance Company

9025 N. Lindbergh Dr. Peoria, IL 61615
Phone: 800-645-2402

Know All Men by These Presents:

That this Power of Attorney is not valid or in effect unless attached to the bond which it authorizes executed, but may be detached by the approving officer if desired.

That **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, each an Illinois corporation, (separately and together, the "Company") do hereby make, constitute and appoint:

Adelaida Sutton, Nicole Coley, Donald C. Bowers, Joshua Curran, Jim Keitz, Kelly Stebbins, Brandy Million, jointly or severally

in the City of Oklahoma City, State of Oklahoma its true and lawful Agent(s) and Attorney(s) in Fact, with full power and authority hereby conferred, to sign, execute, acknowledge and deliver for and on its behalf as Surety, in general, any and all bonds and undertakings in an amount not to exceed Twenty Five Million Dollars (\$25,000,000.00) for any single obligation.

The acknowledgment and execution of such bond by the said Attorney in Fact shall be as binding upon the Company as if such bond had been executed and acknowledged by the regularly elected officers of the Company.

RLI Insurance Company and/or **Contractors Bonding and Insurance Company**, as applicable, have each further certified that the following is a true and exact copy of a Resolution adopted by the Board of Directors of each such corporation, and is now in force, to-wit:

"All bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or Agents who shall have authority to issue bonds, policies or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

IN WITNESS WHEREOF, the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, as applicable, have caused these presents to be executed by its respective Vice President with its corporate seal affixed this 18th day of October, 2023.



RLI Insurance Company
Contractors Bonding and Insurance Company

By: Barton W. Davis
Barton W. Davis Vice President

State of Illinois }
County of Peoria } SS

CERTIFICATE

On this 18th day of October, 2023, before me, a Notary Public, personally appeared Barton W. Davis, who being by me duly sworn, acknowledged that he signed the above Power of Attorney as the aforesaid officer of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company** and acknowledged said instrument to be the voluntary act and deed of said corporation.

I, the undersigned officer of **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company**, do hereby certify that the attached Power of Attorney is in full force and effect and is irrevocable; and furthermore, that the Resolution of the Company as set forth in the Power of Attorney, is now in force. In testimony whereof, I have hereunto set my hand and the seal of the **RLI Insurance Company** and/or **Contractors Bonding and Insurance Company** this 18th day of December, 2023

By: Catherine D. Geiger
Catherine D. Geiger Notary Public

RLI Insurance Company
Contractors Bonding and Insurance Company

By: Jeffrey D. Pick
Jeffrey D. Pick Corporate Secretary



BETHANY CITY COUNCIL

From: Michael Vaughn, Finance Director
Date: May 15, 2024
Subject: Consideration and Possible Action Approving Engagement Letter with Crawford & Associates for the Fiscal Year ending June 30, 2025

BACKGROUND

Good governance and Oklahoma state law require an annual audit of our financial statements. Crawford & Associates have assisted the City of Bethany in preparation of the financial statements and other work for several years.

Crawford's work has been and will continue to be extremely beneficial to the City of Bethany. City Staff wants to continue this relationship for the next fiscal year.

RECOMMENDATION

1. Approve the appointment and authorize the mayor to sign the document on behalf of the City of Bethany.

ADDITIONAL COMMENTS

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



March 11, 2023

Mr. Michael Vaughn, Finance Director
City of Bethany, OK
6700 N.W. 36th Street
Bethany, OK 73008

Dear Mr. Vaughn:

Crawford & Associates, P.C. is pleased that the City of Bethany (the City) continues to express its confidence in our firm and our state and local government expertise. We look forward to a continued long and successful relationship as an integral financial management resource to the City of Bethany management and governing body.

We are prepared to provide a full range of accounting and consulting services to the City of Bethany contingent upon approval of your management and/or governing body. The purpose of this engagement letter is to identify the scope of available services from Crawford & Associates, the specific initial services requested at this time, and to confirm the terms, objectives, and limitations of our engagement services.

Scope of Services

The scope of professional services that are available and can be provided to the City of Bethany are outlined below under the heading *Scope of Available Services*. While this listing includes a range of services available from Crawford & Associates, the specific initial services requested to be provided at the current time are separately identified under the heading *Initial Services Requested*. Any additional services that are available from Crawford & Associates beyond these initially requested services can be provided upon subsequent specific request and agreement.

Scope of Available Services

- Preparation of Annual Financial Statements
- General Accounting and Advisory Assistance
- Budget Preparation and Amendment Assistance
- Capital Asset Records and Accounting Assistance
- Information Technology System Assistance
- Internal Control Policies and Procedures Assistance
- Labor Relations Consulting
- Laws and Regulations Compliance Assistance
- Investigation of Allegations or Concerns
- Tax and Other Regulatory Report Assistance

Initial Services Requested

- Preparation of Annual Financial Statements
- General Accounting and Advisory Assistance

Services Related to the Preparation of Annual Financial Statements

You have requested that we prepare the annual financial statements of the financial reporting entity of the City of Bethany, Oklahoma as of and for the year ended June 30, 2024. Such financial statements will include:

- a. Basic Financial Statements, including notes to the financial statements
- b. Required Supplementary Information
- c. Supplementary Information (to the extent management elects to include)
- d. Other Information (to the extent management elects to include)

Crawford & Associates' Responsibilities

The objective of our engagement is to prepare the annual financial statements in accordance with accounting principles generally accepted in the United States of America based on information provided by you. We will conduct our engagement in accordance with Statements on Standards for Accounting and Review Services (SSARSs) promulgated by the Accounting and Review Services Committee of the AICPA and comply with the AICPA's Code of Professional Conduct, including the ethical principles of integrity, objectivity, professional competence, and due care.

We are not required to, and will not, verify the accuracy or completeness of the information you will provide to us for the engagement or otherwise gather evidence for the purpose of expressing an opinion or a conclusion. Accordingly, we will not express an opinion or a conclusion or provide any assurance on the financial statements.

Our engagement cannot be relied upon to identify or disclose any financial statement misstatements, including those caused by fraud or error, or to identify or disclose any wrongdoing within the entity or noncompliance with laws and regulations.

Management Responsibilities

The engagement to be performed is conducted on the basis that management acknowledges and understands that our role is to prepare financial statements in accordance with accounting principles generally accepted in the United States of America. Management has the following overall responsibilities that are fundamental to our undertaking the engagement to prepare your financial statements in accordance with SSARSs:

- a. The selection of accounting principles generally accepted in the United States of America as the financial reporting framework to be applied in the preparation of the financial statements
- b. The prevention and detection of fraud
- c. To ensure that the entity complies with the laws and regulations applicable to its activities
- d. The accuracy and completeness of the records, documents, explanations, and other information, including significant judgments, you provide to us for the engagement to prepare financial statements

e. To provide us with:

- i. Documentation, and other related information that is relevant to the preparation and presentation of the financial statements,
- ii. Additional information that may be requested for the purpose of the preparation of the financial statements, and
- iii. Unrestricted access to persons within the City of Bethany Oklahoma, of whom we determine necessary to communicate.

The financial statements will not be accompanied by a report. However, you agree that the financial statements will clearly indicate that no assurance is provided on them.

Other Requested and Available Services

In conjunction with the other requested and available services (other than the preparation of the annual financial statements) as identified in the Scope of Services section of this letter, Crawford & Associates will be responsible for providing such services upon request in accordance with the applicable professional standards of the AICPA. It is anticipated that most if not all of these other services will be performed in accordance with the standards applicable to consulting services as prescribed by the AICPA.

Crawford & Associates, is not obligated to, but may report or otherwise communicate to management any recommendations, it determines necessary, resulting from the professional services provided.

Management and the governing body will be responsible for establishing the scope of our other professional services to be provided and for providing the necessary resources allocated to the work; such responsibility includes determining the nature, scope, and extent of the services to be performed, providing sufficient appropriation for the estimated cost of these services, providing overall direction and oversight for each service, and reviewing and accepting the results of the work.

Access to Working Papers and Reports

Any working papers prepared by Crawford & Associates in connection with performing the financial statement preparation and other professional services are the property of Crawford & Associates. Upon request, copies of any or all working papers and reports that we consider to be nonproprietary will be provided to management. Management may make such copies available to its external auditors and to certain regulators in the exercise of their statutory oversight responsibilities. Such copies may not be made available to any other third party without the prior written consent from Crawford & Associates.

Fees and Costs

Fees and out-of-pocket expenses for this engagement will be billed as the work progresses and payable upon receipt of our invoices. Out-of-pocket expenses include such costs incurred by Crawford & Associates in providing the services including travel, lodging, telecommunications, printing, document reproduction, and the like.

Our fees for these services will be billed at our standard hourly rates, as follows, for the individual performing such services based on the actual number of hours of work, including travel time, performed by that individual.

Standard Hourly Rates:

- Firm President \$265
- Shareholders \$180
- Senior Managers \$160
- Managers \$140
- Senior Professional Staff \$120
- Professional Staff \$80
- Clerical Staff \$50

Because Crawford & Associates has no direct control over the type and amount of services requested by the management or the governing body during the term of this engagement, nor does Crawford & Associates have direct control over the quality of your accounting system or records, potential turnover of your staff, or your staffing levels, resources, or capabilities, it is impractical for us to provide an accurate amount of hours that will be required for the services requested or a not-to-exceed limit on fees and expenses charged. We will rely on you to provide us with a copy of approved purchase orders, containing estimated fees and expenses, monitor the cumulative fees and expenses charged, and notify us if and when the cumulative amount approaches the total appropriated level estimated. You also agree to provide sufficient appropriation for all services requested prior to the services being performed. For purposes of purchase order preparation, we will be glad to provide you with an estimated range of fees and expenses upon request. In the event we complete FY 2024 prior to the end of FY 2025, we may begin interim preparations in the spring of 2025 to facilitate a more timely issuance of FY 2025's financial statements.

The term of this engagement is a period from July 1, 2024 through June 30, 2025. Crawford & Associates may perform additional services upon receipt of a formal request from management or the governing body with terms and conditions that are acceptable to both parties.

The agreements and undertakings contained in this engagement letter, shall survive the completion or termination of this engagement.

Acceptance

Please indicate your acceptance of this agreement by signing in the space provided below and returning this engagement letter to us. A duplicate copy of this engagement letter is provided for your records. We look forward to continuing our professional relationship with the City of Bethany.

Respectfully submitted and agreed to by,



Frank Crawford
Crawford and Associates, P.C.

Accepted and agreed to for the City of Bethany:

By: _____

Title: _____

Date: _____

BETHANY CITY COUNCIL

From: Elizabeth A. Gray, City Manager
Date: May 16, 2024
Subject: Consideration and Possible Action to Approve Mutual Cooperation Agreement with Oklahoma County for FY 2025.

BACKGROUND

The City of Bethany and Oklahoma County annually agree to cooperate with certain road projects. The City asks for assistance from Oklahoma County. Oklahoma County provides assistance as provided by state law and funds permit.

This agreement is similar to those from previous years.

RECOMMENDATION

1. Approve the Mutual Cooperation Agreement with Oklahoma County and authorize the Mayor to sign the document of behalf of the City of Bethany.

ADDITIONAL COMMENTS

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

GENERAL MUTUAL COOPERATION AGREEMENT

BETWEEN THE CITY OF BETHANY & THE BOARD OF COUNTY COMMISSIONERS OF OKLAHOMA COUNTY

THIS GENERAL MUTUAL COOPERATION AGREEMENT (the "Agreement") is entered into effective JULY 1, 2024, between the **CITY OF BETHANY** a municipal corporation organized and existing under the laws of the State of Oklahoma (the "Municipality"), and the **BOARD OF COUNTY COMMISSIONERS OF OKLAHOMA COUNTY**, a political subdivision organized and existing under the laws of the State of Oklahoma (the "County").

RECITALS:

WHEREAS, 69 O.S. § 601A, authorizes the County to use any funds which are in the county highway fund to construct and maintain as county highways those roads which best serve the most people of the county; and

WHEREAS, 69 O.S. § 603 provides that the County may contract for grading, draining, or hard surfacing any street within any municipality where such street is a continuation of or a connecting link in the State or County Highway System; and

WHEREAS, 69 O.S. § 1903B authorizes the County to enter into an agreement with a municipality or any two or more counties or municipalities to construct, improve, repair or maintain any of the roads, streets or highways of the other parties to the contract; and

WHEREAS, County Resolution No. 118-08 has set out procedures for tinhorn acquisition if the requested tinhorn location(s) is/are within the corporate limits of a municipality, and a legal agreement with the municipal entity to install the tinhorn and collect the fees must be approved; and,

WHEREAS, the County and the Municipality find that it is to the mutual benefit of the citizens of both the Municipality and the County to enter into an agreement for mutual cooperation for maintenance, construction, and repair of certain streets within the limits of the Municipality and the responsibility of the Municipality, and the installation of tinhorns within the limits of the Municipality.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties agree as follows:

1. The County may, at their discretion, perform work to construct, improve, or repair certain roadways within the incorporated limits of the Municipality.
2. The Municipality's governing body must submit specific written requests to the County, titled regarding particularly described streets or portions of streets for which the Municipality is seeking the County's assistance in construction, improvement, repair and maintenance. Said requests shall adequately and specifically describe the street location and the specific type of

assistance needed from the County and describe the anticipated period of time that such assistance shall be needed. If the County approves the Municipality's request for assistance, said request shall be performed pursuant to the authority of this Agreement and the specific agreement.

3. The Municipality shall, under the specific agreement, furnish to the County the funds to pay the Municipality's share of the costs of labor, engineering, equipment, and material.

4. No party to the contract shall be liable for the acts or omissions of the other party or for failure to inspect or supervise the performance of the other party.

5. The parties understand and agree that this Agreement in no way relieves the Municipality of the Municipality's primary duty to maintain its streets in a reasonably safe condition for travel by the public for the duration of the project.

6. Municipality hereby represents and warrants to County that the Municipality owns, leases, or holds beneficial easements on any and all real property on which they seek the County's assistance in construction, improvement, repair or maintenance.

7. Notwithstanding anything to the contrary herein, the Municipality acknowledges that the County's performance of work under this agreement is subject to the County's availability of highway department personnel, equipment, labor and materials, and to weather conditions or circumstances beyond the reasonable control of County.

8. This Agreement shall commence on JULY 1, 2024, and continue through JUNE 30, 2025.

APPROVED by the governing bodies of the parties on the dates hereafter set forth.

MUNICIPALITY

APPROVED by the Municipality this _____ day of _____, 2024.

ATTEST:

_____ By _____
City Clerk Mayor

APPROVED as to form and legality this _____ day of _____, 2024.

City Attorney

COUNTY

APPROVED by the County this _____ day of _____, 2024.

**BOARD OF COUNTY COMMISSIONERS
OF OKLAHOMA COUNTY, OKLAHOMA**

By _____
Chairman


ATTEST:

By _____
Member

County Clerk

By _____
Member

APPROVED as to form and legality this 29 day of March, 2024.



Assistant District Attorney

County Request No. 152

REQUEST FOR LEGAL SERVICES

This form is used to provide legal opinions and contract approval by the District Attorney's Office. Only that advice that is related to a pending or potential claim against the County or its officers and employees is protected by the attorney-client privilege. Opinions that are privileged should not be disclosed to anyone or the privilege may be waived.

All legal opinions and approvals rendered are based only on the documentation and information stated below or attached to this form and, thus, it is important that all relevant facts and information be provided at the time of review. Please advise the District Attorney's Office of new or additional information, as it may cause the opinion to change. In all cases, the opinions of the District Attorney's Office are not binding on the County, its officers or employees and may be followed or disregarded in the discretion of the elected official.

Date of Request: 03/25/2024 Department: District 2

State the nature of the legal request: _____

Please review as to form and legality. - City of Bethany General Mutual Cooperation Agreement 2024-2025.

RECEIVED

MAR 25 2024

CIVIL DIVISION
DISTRICT ATTORNEY

Jessica Clayton
County Officer or Department Director

Reply of District Attorney's Office: _____

Date of Reply: 3/29/2024 Lee E. [Signature]

Assistant District Attorney

NOTICE: On Monday, May 13, 2024, 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

SPECIAL CALLED MEETING

**SE CORNER OF
NW 23rd ST AND N ROCKWELL AVE
BETHANY, OKLAHOMA**

**RON CLARK PARK
4900 BLK N McMILLAN AVE
(SOUTH END OF PARK NEAR SOCCER FIELD)
BETHANY, OKLAHOMA**

**THURSDAY, MAY 16, 2024
10:30 A.M.**

- | | | |
|-------------------------|---------------------|--------------------------------|
| MEMBERS PRESENT: | Nikki Lloyd | Mayor |
| | Jeff Knapp | Vice-Mayor |
| | Chris Powell | Council Member |
| | Kathy Larsen | Council Member |
| | Marilyn McPhail | Council Member |
| MEMBERS ABSENT: | Brian Magirowsky | Council Member |
| | Peter Plank | Council Member |
| | Steve Palmer | Council Member |
| | Ken Smart | Council Member |
| OTHERS PRESENT: | Elizabeth Gray | City Manager |
| | Phil Stowell | Public Works Director |
| | J. D. Reid | Police Chief |
| | Amanda McCellon | Community Development Director |
| | Brendan Summerville | Community Development Assoc. |
| | Steve Manek | TEIM Design |
| | Willie Delora | TLS Construction |
| | Zachary Veatch | TLS Construction |

THE MEMBERS OF THE BETHANY CITY COUNCIL, ADMINISTRATIVE STAFF, AND GUESTS WILL GATHER FOR THE PURPOSE OF A GROUNDBREAKING CEREMONY RELATED TO GO BOND PROPOSITION 1A AND 2B PROJECTS AT THE IN-

TERSECTION OF NW 23rd STREET AND N ROCKWELL AVENUE IN BETHANY, OKLAHOMA.

IMMEDIATELY FOLLOWING THIS CEREMONY, THE ATTENDEES WILL TRAVEL TO THE NEXT LOCATION OF RON CLARK PARK, NEAR THE WELL HOUSE LOCATED AT THE SOUTH END OF THE PARK BY THE SOCCER FIELD, IN THE 4900 BLOCK OF N MCMILLAN AVENUE FOR THE PURPOSE OF A GROUNDBREAKING CEREMONY RELATED TO THE WATER WELL FIELD PROJECT.

THESE MEETINGS ARE FOR CEREMONIAL PURPOSES ONLY, WITH NO BUSINESS TO BE ACTED UPON BY COUNCIL.

No action taken.

MAYOR

CITY CLERK

BETHANY CITY COUNCIL

From: Amanda McCellon, Comm. Dev. Director
Date: May 7, 2024
Subject: Consider a request by Council Road Baptist Church, Applicant & Property Owner, to rezone the Southwest corner of NW 30th Street & N. Council Road from Single-Family Residential (R-1) to Commercial General (C-G).

BACKGROUND

Attached are the minutes and staff report from the Planning and Zoning Commission meeting of May 2, 2024. Motion was made by Steve Marx, seconded by James Clemmer to recommend approving the C-G, Commercial General zoning. The votes are as follows: AYE- Justin Peck, Kent Lynn, Steve Marx, Ron Crouch, James Clemmer, Trent Reid. NAY- Robert Helton. ABSTAIN- Charles Snyder. The motion carried 6-1-1.

RECOMMENDATION

1. Recommend approving Ordinance No. 2059 rezoning the C-G, Commercial General zoning. The votes are as follows: AYE- Justin Peck, Kent Lynn, Steve Marx, Ron Crouch, James Clemmer, Trent Reid. NAY- Robert Helton. ABSTAIN- Charles Snyder. The motion carried 6-1-1.

ADDITIONAL COMMENTS



ORDINANCE NO. 2059

AN ORDINANCE AMENDING THE ZONING ORDINANCES, MAP, AND COMPREHENSIVE PLAN OF THE CITY OF BETHANY, OKLAHOMA, BY INCLUDING IN C-G, COMMERCIAL GENERAL, THE PROPERTY LOCATED AT NW 30th STREET AND N. COUNCIL RD. IN BETHANY, OKLAHOMA COUNTY, OKLAHOMA AS MORE PARTICULARLY DESCRIBED HEREINAFTER.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF BETHANY:

Section 1. The following-described real estate situated in the City of Bethany, to wit:

A part of the North Half (N/2) of the SE Quarter of Sec. 19 T12N-R4W, I.M. Oklahoma County, Oklahoma, more particularly described as follows: Beginning at the Northeast corner of the Southeast Quarter SE/4) of said Section 19, Township Twelve (12) North, Range Four (4) West; Thence along the North line of said SE/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. Less and except the North 35.00 feet and the East 33.00 feet thereof set aside for roadway easements.

is hereby included in, added to, and made part of the district set aside for C-G, Commercial General, and the Clerk of the City of Bethany is hereby authorized and directed to correct the official zoning map and comprehensive plan map of the City of Bethany, Oklahoma, to conform thereto.

Section 2. It being immediately necessary for the preservation of the public peace, health, safety, and welfare

the City of Bethany and the inhabitants thereof that this ordinance be put into full force and effect, an emergency is hereby declared to exist by reason whereof this ordinance shall be in full force and effect from and after its passage and approval.

END

The undersigned hereby certify that the foregoing ordinance was introduced before the Bethany Planning and Zoning Commission on April 25, 2024, and the Bethany City Council on the 21st day of May, 2024, and was duly adopted and approved by the Mayor and City Council of the City of Bethany on the 21st day of May, 2024, after public hearing, and after compliance with notice requirements of the Open Meeting Law (25 OSA, Sections 301, et seq.).

MAYOR

ATTEST:

CITY CLERK

Approved as to form and legality on _____, 2024.

CITY ATTORNEY

MINUTES
CITY OF BETHANY
PLANNING AND ZONING COMMISSION
MAY 2, 2024

MEMBERS PRESENT: Charles Snyder, Chair
Justin Peck, Vice-Chair
Kent Lynn
Robert Helton
Steve Marx
Ron Crouch
James Clemmer
Trent Reid

MEMBERS ABSENT: None

STAFF PRESENT: Ray Jones, City Attorney
Amanda McCellon, Comm. Dev. Director
Brendan Summerville, Comm. Dev. Associate
Linda Hlinicky, Adm. Assistant

NOTICE: Agenda posted in the lobby and on the front door of Bethany City Hall, 6700 NW 36th St., Bethany, OK 73008 on Thursday, April 25, 2024, at 11:00 a.m.

Charles Snyder, Chair called the meeting to order. Steve Marx gave the invocation. Motion was made by Justin Peck, seconded by Trent Reid to approve the April 18, 2024 Planning and Zoning Commission minutes as mailed. The votes are as follows: AYE- Charles Snyder, Justin Peck, Kent Lynn, Robert Helton, Steve Marx, Ron Crouch, Trent Reid. NAY- None. ABSTAIN- James Clemmer. The motion carried 7-0-1.

ITEM 1: **PC 24-06**
Consider a request by Council Road Baptist Church, applicant & property owner, to rezone the Southwest corner of NW 30th Street & N Council Road from Single-Family Residential (R-1) to Commercial General (C-G). *Item to be heard by the Bethany City Council on the 21st of May 2024 at 6:30 p.m. in City Hall.*

LEGAL DESCRIPTION: A part of the North Half (N/2) of the SE Quarter of Sec. 19 T12N-R4W, I.M., Oklahoma County, Oklahoma, more particularly described as follows: Beginning at the Northeast corner of the Southeast Quarter (SE/4) of said Section 19, Township Twelve (12) North, Range Four (4) West; Thence along the North line of said SE/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. Less and except the North 35.00 feet and the East 33.00 feet thereof set aside for roadway easements.

ACTION: Brendan Summerville, Comm. Dev. Associate presented the staff report to consider rezoning the SW Cor. of NW 30th Street & N. Council Road from R-1, Single Family to C-G,

Commercial General. He summarized the lot characteristics for C-G, Commercial General and R-1, Single Family zoning districts. Currently the proposed lot as well as most everything around it is zoned single family. The only difference is the lot to the south is a planned residential development. There is a 14" water line on N. Council Rd. and an 8" line on NW 30th St. There is an 8" sewer line along west side of property and 15" lines along both N. Council Rd. and NW 30th St. This property is located within the north corridor of N. Council Rd., which the comprehensive plan calls for a mix of residential and commercial uses.

Commissioner Clemmer asked about the diagonal line on the survey.

Jerry Hocker, Applicant said he suspects diagonal line is a drainage line that allows water to drain from the north side to the south side of property.

Mr. Batali, 2911 N. Council asked about the future plans for the property.

Jerry Hocker, Applicant stated there are no plans at this time.

Commissioner Snyder noted this property is earmarked to become commercial property under the comprehensive plan. So, from NW 23rd Street to NW 36th Street is earmarked for mixed use. One of the possibilities is it could be a combination of commercial-residential, like in the 1930's where people lived above their store.

Ms. Stepanek, resident of 3108 N. McMillan spoke against the commercial rezoning.

Mr. Ray, new resident of the property next door to applicant's property, spoke against the commercial rezoning. There is too much traffic already.

Motion was made by Steve Marx, seconded by James Clemmer to recommend approving the C-G, Commercial General zoning. The votes are as follows: AYE- Justin Peck, Kent Lynn, Steve Marx, Ron Crouch, James Clemmer, Trent Reid. NAY- Robert Helton. ABSTAIN- Charles Snyder. The motion carried 6-1-1.

ITEM 2: **PC 24-08**

Discussion of shipping containers as they relate to the accessory structure ordinance.

ACTION: Brendan Summerville, Comm. Dev. Associate presented the staff report to discuss shipping containers as they relate to the accessory structure ordinance. Staff was tasked with looking into whether a shipping container could be treated as an accessory building. He reviewed the current accessory structure ordinance (Section 152.02). What we look at the most is whether or not the roof pitch matches the house and if the structure looks similar to the house. Staff has some concerns about the environmental quality of the shipping containers. As these shipping containers are steel on the bottom, they are prone to degrading. If shipping containers are sitting flat on the ground without a foundation, there is a good chance structure could corrode and get into our water system.

Commissioner Reid asked if there is way to make shipping containers okay for commercial but not residential.

NOTICE: Agenda posted in the lobby and on the front door of Bethany City Hall, 6700 NW 36th St., Bethany, OK 73008 on Thursday, April 25, 2024, at 11:00 a.m.

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.

THE PLANNING AND ZONING COMMISSION MEETING WILL BE HELD IN THE CITY COUNCIL CHAMBER AT BETHANY CITY HALL - 6700 NW 36TH ST., BETHANY, OK 73008

AGENDA
CITY OF BETHANY
PLANNING AND ZONING COMMISSION
May 2, 2024
7:00 P.M.

CALL TO ORDER

INVOCATION

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES OF APRIL 18, 2024

EXPLANATION OF PROCEDURE TO AUDIENCE

PLANNING AND ZONING COMMISSION BUSINESS

ITEM 1: PC 24-06

Consider a request by Council Road Baptist Church, applicant & property owner, to rezone the Southwest corner of NW 30th Street & N Council Road from Single-Family Residential (R-1) to Commercial General (C-G). *Item to be heard by the Bethany City Council on the 21st of May 2024 at 6:30 p.m. in City Hall.*

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ITEM 2: PC 24-08

Discussion of shipping containers as they relate to the accessory structure ordinance.

NEW BUSINESS

ADJOURNMENT UNTIL MAY 16, 2024

BETHANY

Oklahoma

City of Bethany

Planning & Zoning Staff Report

May 2, 2024

CASE NO: PC 24-06

Request: Consider a request by Council Road Baptist Church, applicant & property owner, to rezone the southwest corner of NW 30th St and N Council Road from R-1 (Single-Family Residential) to C-G (Commercial-General).

Legal Description: See page 3

Current Zoning: R-1 (Single-Family Residential)

Proposed Zoning: C-G (Commercial General)

Surrounding Zoning:

Direction	Zoning
North	R-1 (Single-Family Residential)
South	PRD (Planned Residential Development)
East	R-1 (Single-Family Residential)
West	R-1 (Single-Family Residential)

Table 1

Zoning Characteristics:

	C-G	R-1
Use	Commercial	Single-Family Dwelling
Minimum Lot Area (ft ²)	N/A	6,000
Width x Depth (ft)	N/A	60 x 100
Front Setback (ft)	25	25
Rear Setback (ft)	20	20
Side Setback (ft)	25 Street/Corner Lots N/A Interior Lots	10 & 5 (Interior) 25 (Corner)

Table 2

*The Commercial General zoning category has a maximum lot coverage of 35%

Background:

The applicant is seeking to rezone the SW corner of NW 30th Street and N Council Road from Single-Family Residential to Commercial General. The C-G zoning category allows for a broad spectrum of commercial activities that include, but are not limited to, retail stores, restaurants, medical offices, etc.

Analysis:

The surrounding zoning on three sides of the property is R-1; however, part of this space is occupied by Council Road Baptist Church, which is allowed to operate within R-1 districts by ordinance. The sole exception to this zoning is that of the PRD to the south, which functions as a single-family residence. This site has been operating as a parking lot for Council Road Baptist Church for several years, although staff research has not determined an exact period.

This site occupies a total area of 109,952 ft², which allows for a theoretical maximum building footprint of 38,483 ft² at 35% lot coverage. Staff states this as theoretical as it is the maximum allowable by ordinance, but does not account for potential parking, drainage, and possible utility & service requirements which will be reviewed during the site plan phase of any proposed project.

Water service is provided by a 14" inch line under N Council Road, and an 8" line along NW 30th Street. Sanitary sewer access is granted by way of an 8" line to the west of the property, and 15" lines running under N Council Road and NW 30th Street.

This site is within the Council Road corridor of the Comprehensive Plan, which calls for mixed use, or an increased frequency of commercial activity. This is in reference to calls within the comprehensive plan for a greater array of commercial ventures, particularly along arterial roads, to foster a more resilient local economy.

The applicant has not submitted building plans or potential businesses to staff and has only requested a change of zoning to pursue commercial developments.

Required Action: Hold a public hearing to provide a recommendation to either approve or deny the applicant's zoning change request. This recommendation will be heard by the Bethany City Council on the 14th of May 2024, and a decision whether to approve or deny this change will be made.

Attachments:

- Aerial Photograph
- Zoning Map
- Water & Sewer Atlases
- Public Notification
- Application & Certified Owners List

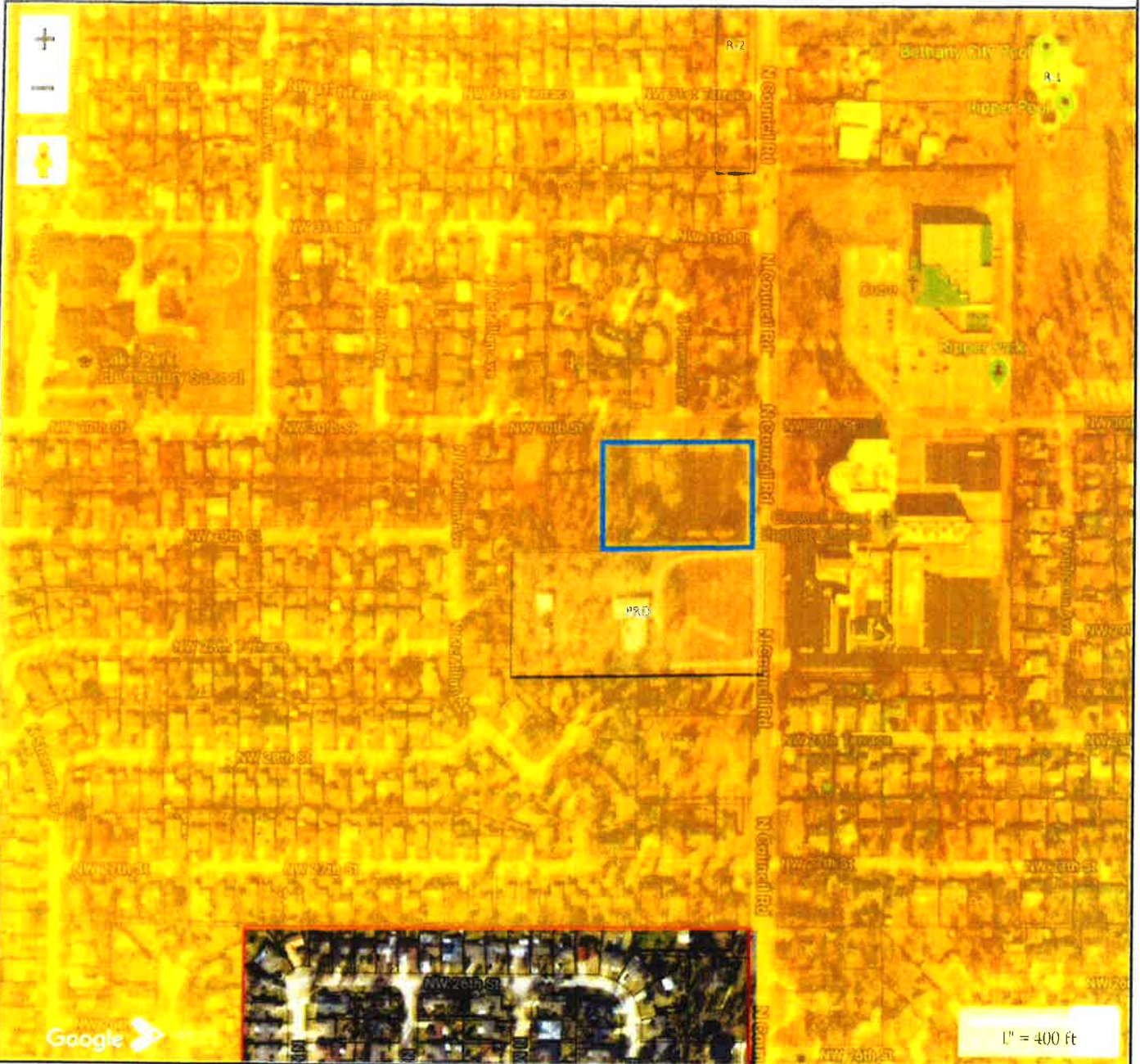
Legal Description:

A part of the North Half (N/2) of the SE Quarter of Sec. 19 T12N-R4W, I.M., Oklahoma County, Oklahoma, more particularly described as follows:



















Beginning at the Northeast corner of the Southeast Quarter (SE/4) of said Section 19, Township Twelve (12) North, Range Four (4) West; Thence along the North line of said Se/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. Less and except the North 35.00 feet and the East 33.00 feet thereof set aside for roadway easements.



PC 24-02 Zoning Map



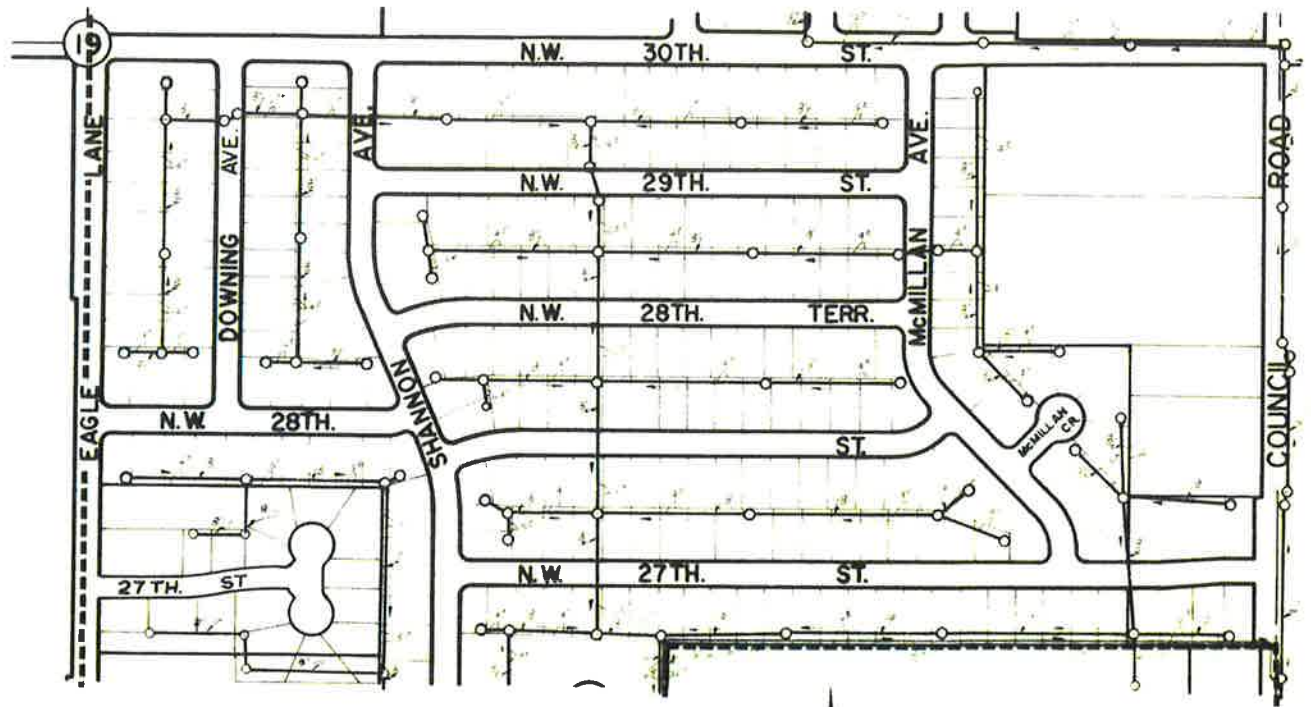
ZONING CODE LEGEND

	A		L-L
	CBD		L-R
	C-G		PUD
	C-H		PRD
	C-S		R-1
	C-N		R-2
	C-O		R-M
	C-R		RMO
	E-I		RHP

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Bethany, Oklahoma makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Print map scale is approximate.
Critical layout or measurement activities should not be done using this resource.



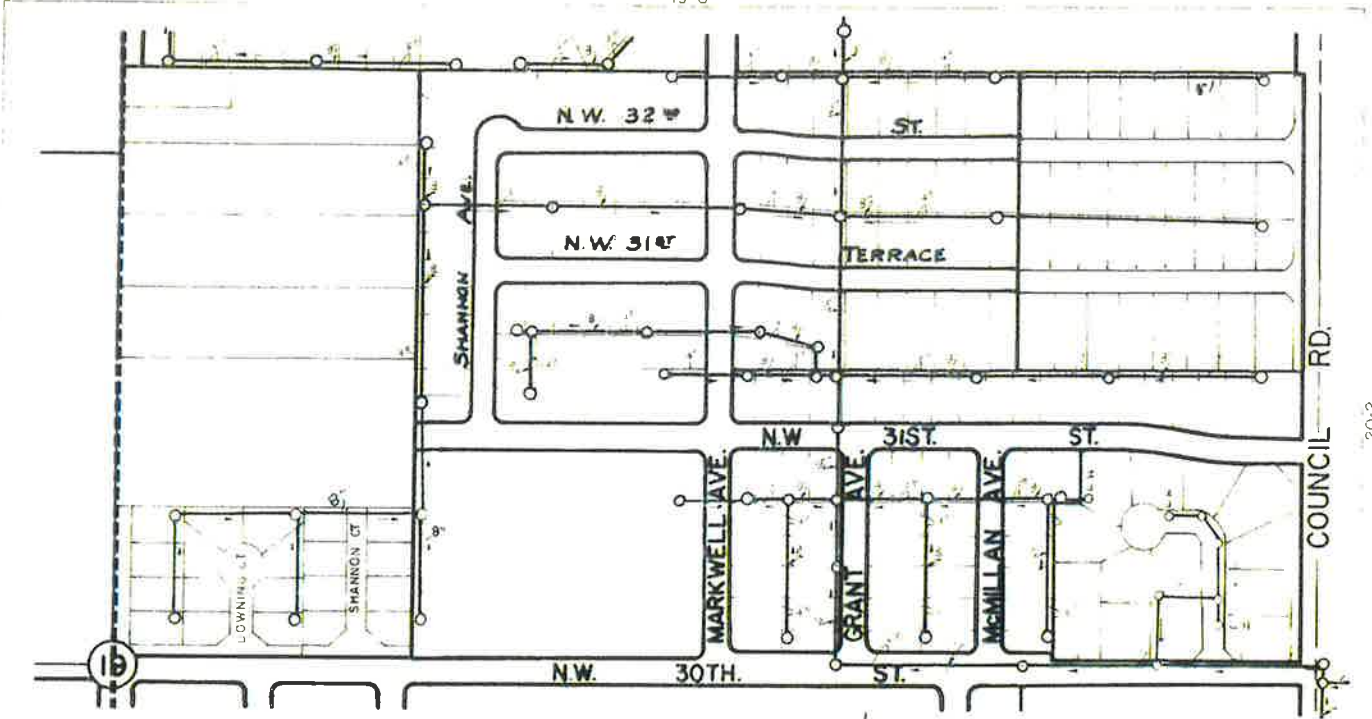
20-3

THIS MAP WAS PREPARED FOR THE OKLAHOMA INDUSTRIAL DEVELOPMENT AND PARK DEPARTMENT, STATE PLANNING AGENCY, AND WAS FINANCED IN PART THROUGH AN URBAN PLANNING GRANT FROM THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, UNDER THE PROVISIONS OF SECTION 701 OF THE HOUSING ACT OF 1954, AS AMENDED.

Apr 2 68

SCALE 1"=200'

19-8



20-2

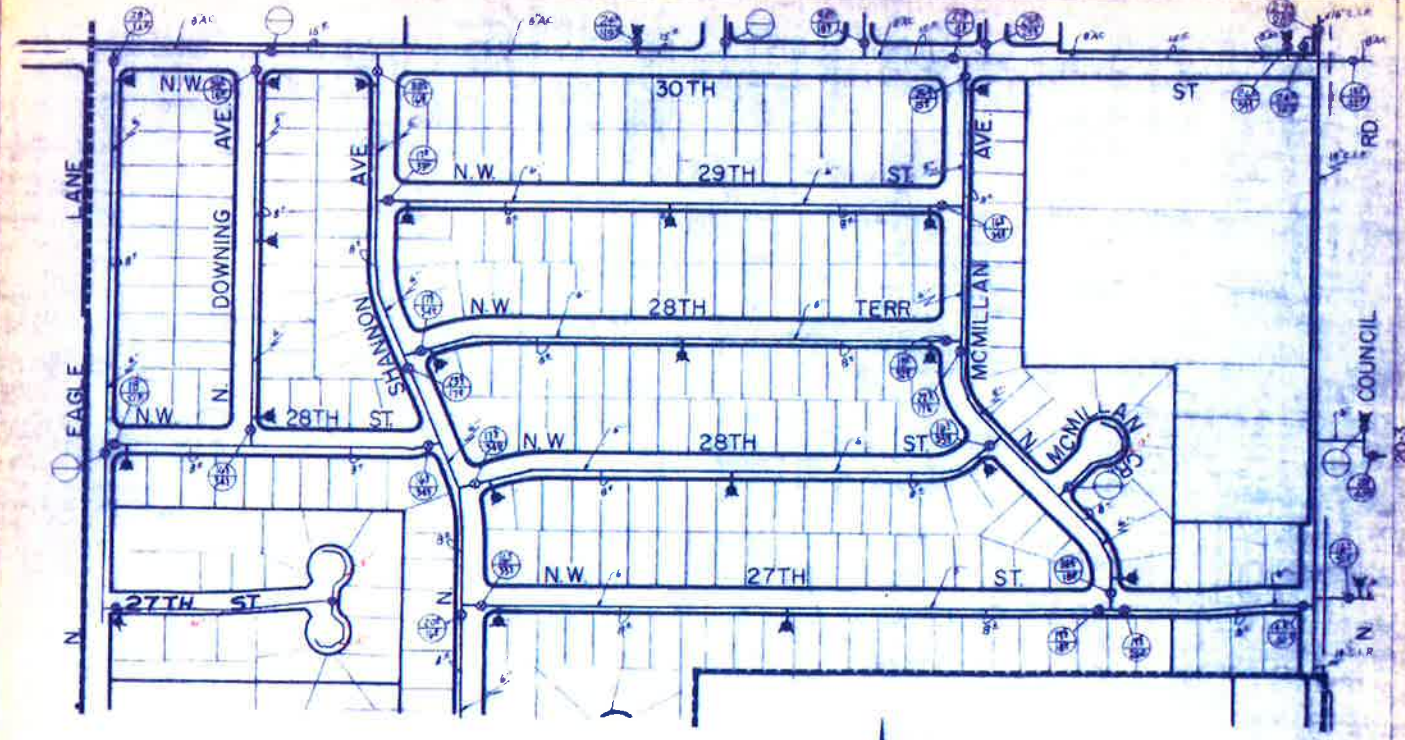
THIS MAP WAS PREPARED FOR THE OKLAHOMA INDUSTRIAL DEVELOPMENT AND PARK DEPARTMENT, STATE PLANNING AGENCY, AND WAS FINANCED IN PART THROUGH AN URBAN PLANNING GRANT FROM THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, UNDER THE PROVISIONS OF SECTION 701 OF THE HOUSING ACT OF 1954, AS AMENDED.

Rev 2/1/80

19-6

SCALE 1"=200'

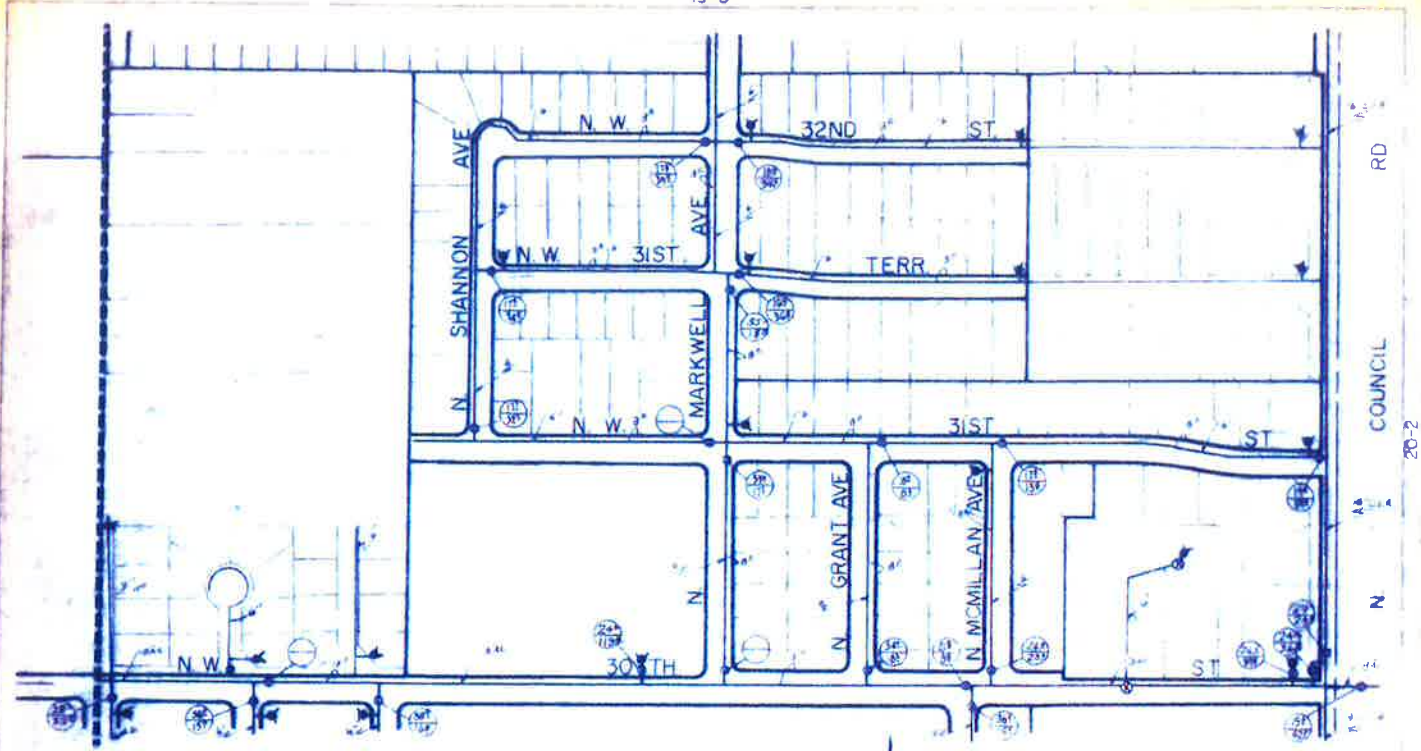
19-7



THIS MAP WAS PREPARED FOR THE OKLAHOMA INDUSTRIAL DEVELOPMENT AND PARK DEPARTMENT, STATE PLANNING AGENCY, AND WAS FINANCED IN PART THROUGH AN URBAN PLANNING GRANT FROM THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, UNDER THE PROVISIONS OF SECTION 701 OF THE HOUSING ACT OF 1954, AS AMENDED.



SCALE 1" = 200'



THIS MAP WAS PREPARED FOR THE OKLAHOMA INDUSTRIAL DEVELOPMENT AND PARK DEPARTMENT, STATE PLANNING AGENCY, AND WAS FINANCED IN PART THROUGH AN URBAN PLANNING GRANT FROM THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, UNDER THE PROVISIONS OF SECTION 702 OF THE HOUSING ACT OF 1954, AS AMENDED.

20-2

BETHANY

Oklahoma

Department of Planning & Community Development

April 8, 2024

NOTICE OF HEARING

**PLANNING & ZONING COMMISSION
AND CITY COUNCIL**

Dear Property Owner:

This notice is to inform you that a neighboring property owner has filed an application with the Bethany Planning Department to rezone their property. All rezoning applications within city limits are reviewed by the Planning and Zoning Commission at a public hearing to determine whether the proposal is in conformity with the Comprehensive Plan for the City of Bethany.

We would like to emphasize that the Planning and Zoning Commission does not make the final decision on whether or not to approve the application; it simply makes a recommendation to the City Council. The final decision is made by the City Council in a second hearing.

Attached to this notice is information on the hearing dates, the location of the property, and the zoning of the property. During the public hearings, the applicant for the zoning change presents his case, and all interested property owners in the surrounding area are invited to appear and state whether they are for or against the proposal.

Your participation in these proceedings can affect the outcome.

If you have any questions regarding this notice, please contact the Community Development Director. Call (405) 789-6005.

**SECRETARY,
PLANNING AND ZONING COMMISSION**

ZONING CASE INFORMATION

A. Rezoning Proposal

1. Case Number: PC 24-06.
2. Location of Property: SW Corner of NW 30th ST. and N Council Rd.,
Bethany, OK.
3. Legal Description: Please see next page, item A 3.
4. Present Zoning: R-1 (Single-Family Residential).
5. Requested Zoning: C-G (Commercial General).

Commercial General allows for only commercial developments to be built.

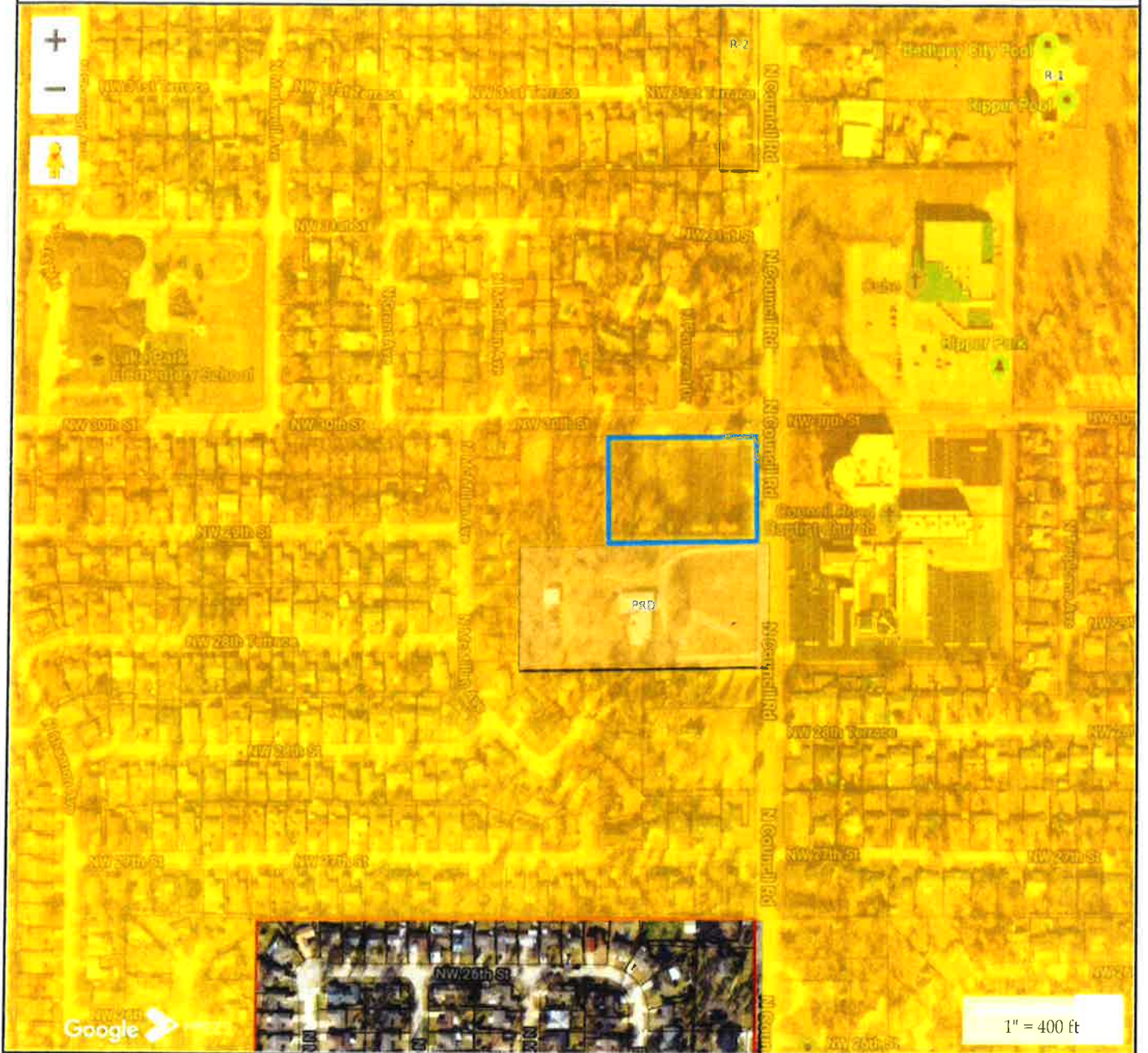
B. Hearing Schedule

1. The Planning and Zoning Commission hearing on the proposed rezoning will be held on May 2, 2024 at 7:00 P.M. At this hearing, any interested citizen will have the opportunity to speak to the Commission concerning the proposed zoning change. The Commission will vote on whether to recommend approval or disapproval of the proposed rezoning. **IF YOU HAVE AN OPINION ON THE APPLICATION, YOU SHOULD ATTEND THIS HEARING.**
2. The City Council Hearing will be held on May 21, 2024 at 6:30 P.M. At this hearing, any interested citizens will have the opportunity to speak to the City Council concerning the request. The City Council will vote either to adopt or reject the proposed rezoning ordinance. **IF YOU HAVE AN OPINION ON THE APPLICATION, YOU SHOULD ATTEND THIS MEETING.**



















C. Location of Hearings

Both the Planning and Zoning Commission and City Council hearings will be held in the Bethany City Hall Council Chamber located at 6700 NW 36th St.

PC 24-06 Zoning Map



ZONING CODE LEGEND

 A	 I-L
 CBD	 I-R
 C-G	 PUD
 C-H	 PRD
 C-S	 R-1
 C-N	 R-2
 C-O	 R-M
 C-R	 RMO
 E-I	 RHP

MAP FOR REFERENCE ONLY NOT A LEGAL DOCUMENT

Bethany, Oklahoma makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Print map scale is approximate.
Critical layout or measurement activities should not be done using this resource.

A 3.) Legal Description

Tract 3: A part of the SE/4 Sec. 20-T12N-R4W I.M., Oklahoma County, Oklahoma, more particularly described as follows:

COMMENCING at the Southeast corner of said Southeast Quarter (SE/4);

THENCE North 00°03'20" East along the East line of said SE/4 a distance of 620/00 feet;

THENCE South 89°29'48" West a distance of 345.00 feet to the POINT OF BEGINNING;

THENCE continuing South 89°29'48" West a distance of 565.20 feet;

THENCE North 00°06'31" West a distance of 702.90 feet;

THENCE North 89°27'47" East a distance of 462.22 feet;

THENCE South 00°03'20" East a distance of 250.00 feet;

THENCE North 89°27'48" East (North 89°14'40" measured) a distance of 105.00 feet;

THENCE South 00°03'20" West a distance of 454.00 feet (453.65 feet measured) to the POINT OF BEGINNING

Said tract of land has an area of 371,845 square feet or 8.5364 acres, more or less.

NOTICE OF PUBLIC HEARING

On May 2, 2024, at 7:00 p.m. the Bethany Planning and Zoning Commission will during its regular session hold a public hearing at Bethany City Hall at 6700 NW 36th St., Bethany, OK 73008 for the following: Consider a request by Council Road Baptist Church, applicant & property owner, to rezone the SW corner of NW 30th Street and N Council Road from R-1 (Single-Family Residential) to C-G (Commercial General).

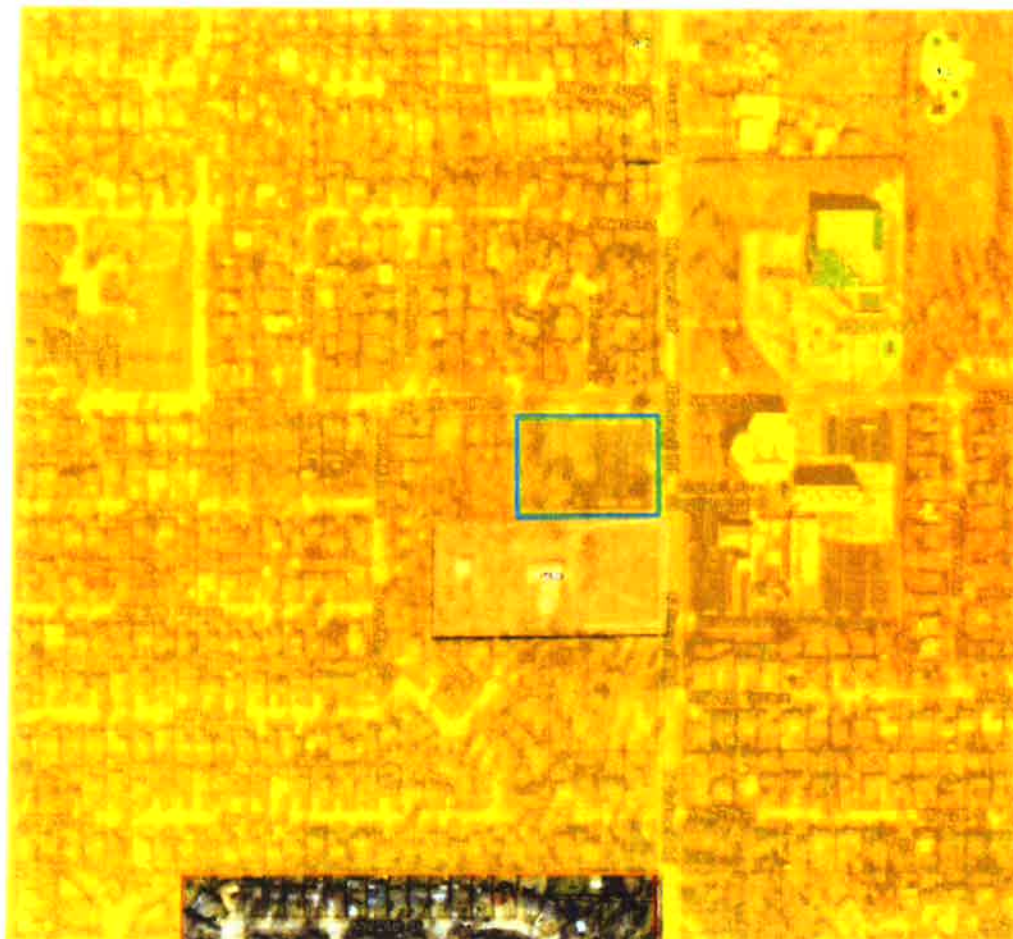
Following the public hearing the Bethany Planning & Zoning Commission will vote on the request and forward a recommendation to the Bethany City Council, which in turn will hear this case on May 21, 2024, at 6:30 p.m. and a vote to approve or deny the request will be held.

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.

LEGAL DESCRIPTION:

A part of the North Half (N/2) of the SE Quarter of Sec. 19 T12N-R4W, I.M., Oklahoma County, Oklahoma, more particularly described as follows:

Beginning at the Northeast corner of the Southeast Quarter (SE/4) of said Section 19, Township Twelve (12) North, Range Four (4) West; Thence along the North line of said Se/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. Less and except the North 35.00 feet and the East 33.00 feet thereof set aside for roadway easements.

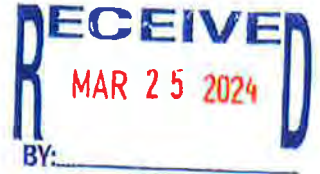


BETHANY Oklahoma

Department of Planning & Community Development

Date Received:

Processed by:



Rezoning Application

Application must be completed in INK.
Email to brendan.summerville@bethanyok.org or submit in person at 6700 NW 36th St., Bethany OK 73008. Contact Community Development at (405)789-6005.

General Information			
Applicant Name: <i>Council Road Baptist Church</i>			
Address: <i>2900 N. Council Rd</i>	City: <i>Bethany</i>	State: <i>OK</i>	ZIP Code: <i>73008</i>
Phone: <i>405-789-3175</i>	Email: <i>Arnold@councilroad.org</i>		
Property Owner Name: <i>Same</i>			
Address:	City:	State:	ZIP Code:
Phone:	Email:		
Property Information			
Present Zoning: <i>R-1</i>	Requested Zoning: <i>C-6 General Commercial</i>		
Legal Description: <i>see attached:</i>			
Area of Property (sq ft): <i>128,370</i>	Number of Structures:		
Present Use: <i>Parking Lot</i>	Requested Use: <i>Retail development</i>		
Requirements & Supplemental Documents			
<input type="checkbox"/> Certified list of named and address of all property owners of record within three hundred (300) feet of the exterior boundaries of the subject property. Certified lists may be acquired through the Oklahoma County Assessor's Office.			
<input checked="" type="checkbox"/> The filing fee for the meeting must be paid upon submission of this application. This is a non-refundable fee that is independent of the hearing's outcome. The fee is dependent on the zoning category, the total area is comprises, and a filing & publishing fee for public notice.			
<input type="checkbox"/> For a Planned Unit Development (PUD) please attach or email renderings of the project in addition to any specific standards and/or requirements that would require a PUD zoning change.			
<input type="checkbox"/> (If applicable) A completed application for the amendment of the Comprehensive Plan.			
<p>Please expect 4 weeks between the filing deadline and the first hearing date; the City Council hearing will take place within two weeks of the first hearing. It is highly recommended that applicants attend both hearings, as the Planning & Zoning Commission and City Council may ask questions regarding specific details of the zoning change.</p>			
<p>I hereby certify that all of the above statements are true to the best of my knowledge and belief. I have thoroughly read the application and understand its qualification and requirements.</p>			
Signature of Applicant:			Date: <i>3/19/2024</i>

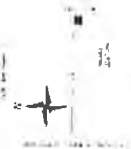
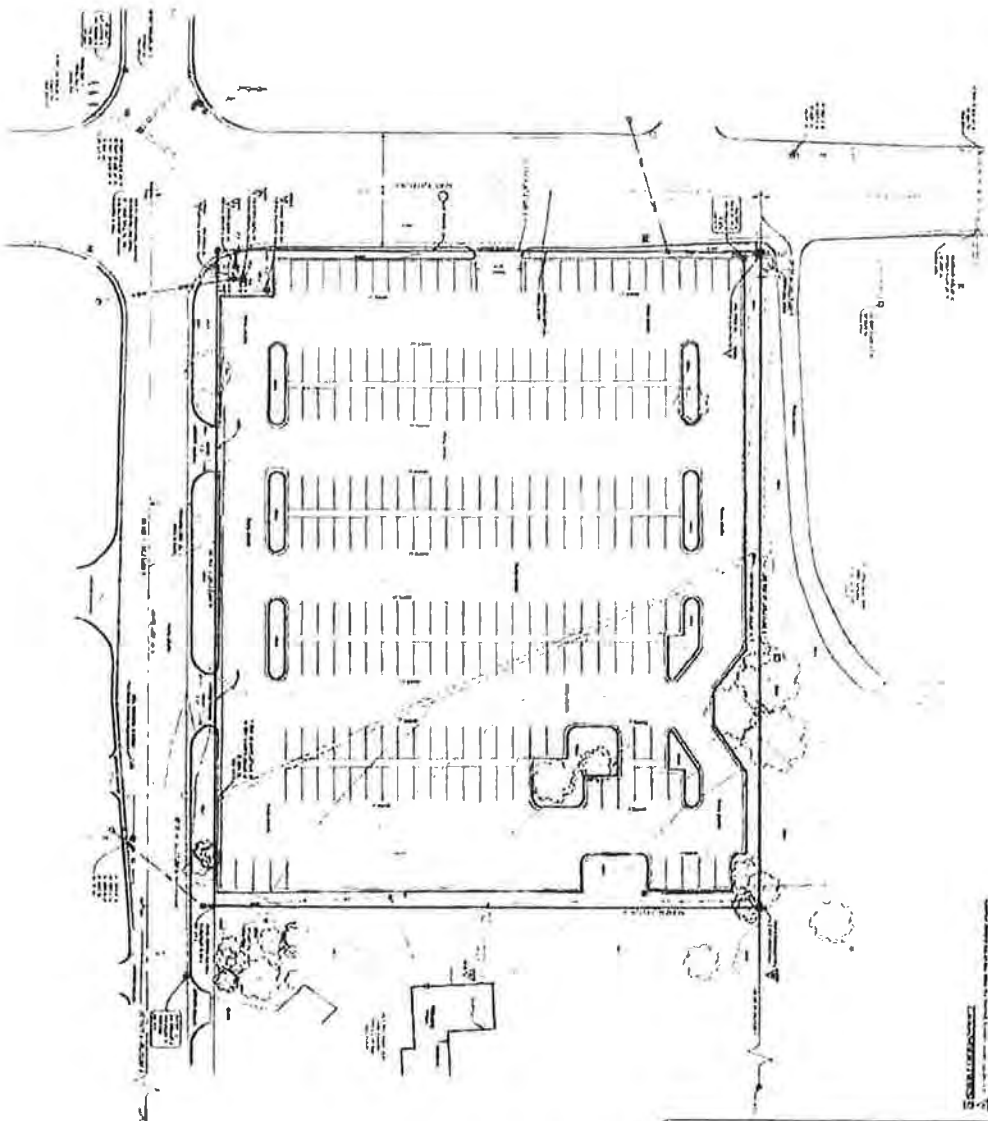


SCHEDULE C

The Land is described as follows:

A part of the North Half (N/2) of the Southeast Quarter (SE/4) of Section Nineteen (19), Township Twelve (12) North, Range Four (4) West of the Indian Meridian, Oklahoma County, Oklahoma, more particularly described as follows: Beginning at the Northeast corner of the Southeast Quarter (SE/4) of said Section Nineteen (19), Township Twelve (12) North, Range Four (4) West; Thence along the North line of said SE/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. LESS AND EXCEPT the North 35.00 feet and the East 33.00 feet thereof set aside for Roadway easements.

ALFA/NSPS LAND TITLE SURVEY of COUNCIL ROAD BAPTIST CHURCH



NOTES:
 1. All dimensions are in feet and inches.
 2. All bearings are in degrees, minutes and seconds.
 3. The area shown is for the purpose of the title survey only.
 4. The survey was conducted on the 15th day of May, 1998.
 5. The survey was conducted by Golden Land Surveying.

LEGEND:
 --- Boundary
 --- Building
 --- Parking
 --- Utility

EXPLANATION:
 The survey was conducted in accordance with the standards of the Surveying Act of 1993. The survey was conducted by Golden Land Surveying, a registered surveying firm in the Province of Ontario.

PROVISIONS:
 This survey is subject to the provisions of the Surveying Act of 1993. The survey was conducted by Golden Land Surveying, a registered surveying firm in the Province of Ontario.

**GOLDEN
LAND SURVEYING**



CERTIFICATE OF BONDED ABTRACTOR
(300 FEET RADIUS REPORT)

STATE OF OKLAHOMA)
) §:
COUNTY OF OKLAHOMA)

The undersigned bonded abstractor in and for Oklahoma County, State of Oklahoma, does hereby certify that the following Ownership is true and correct according to the current year's tax rolls in the office of the County Treasurer of Oklahoma County, Oklahoma, as updated by the records of the County Clerk of Oklahoma County, Oklahoma; that the owners, as reflected by said records, are based on the last conveyance or final decree of record of certain properties located within 300 feet in all directions of the following described land:

A part of the North Half (N/2) of the Southeast Quarter (SE/4) of Section Nineteen (19), Township Twelve (12) North, Range Four (4) West of the Indian Meridian, Oklahoma County, Oklahoma, more particularly described as follows: Beginning at the Northeast corner of the Southeast Quarter (SE/4) of said Section Nineteen (19), Township Twelve (12) North, Range Four (4) West; Thence along the North line of said SE/4 389.00 feet; Thence South and parallel with the East line of said SE/4 330.00 feet; Thence East and parallel to the North line of said SE/4 389.00 feet to a point on the East line of said SE/4; Thence North 330.00 feet to the Point of Beginning. LESS AND EXCEPT the North 35.00 feet and the East 33.00 feet thereof set aside for Roadway easements

and find the following owners, addresses and brief legal descriptions on the attached pages numbered from (1) to (3), both inclusive.

NOTICE TO CUSTOMERS: This report is released with the understanding that the information is strictly confidential. This report contains information from public land records only and is not to be construed as an abstract of title, opinion of title, title commitment, title insurance policy, or environmental research report. As used herein, the term "public land records" means those land records which under the recording laws of the applicable state, impart constructive notice to the third parties with respect to recorded, unreleased or record instruments memorializing legal interests in real estate. The company suggests that you contact your attorney for matters of a legal nature or legal opinion. We have exercised due care and diligence in preparing this report, however, the Abstractor does not guarantee validity of the title and acceptance of this report by the Company or person(s) for whom this report is made, constitutes agreement and confirmation of the limitation of this report.

Dated: January 19, 2024 at 7:30 AM

First American Title Insurance Company

Rochelle Duke

By:

Shelly Duke

Abstractor License No. 4792
OAB Certificate of Authority # 0049
File No. 2853455-OK99

2874	R172391035	WAINSCOTT JERRY JOE	3000 N MC MILLAN AVE	BETHANY	OK	73008	LAKE PARK	001	004	LAKE PARK 001 004	3000 N MC MILLAN AVE BETHANY
2874	R172391045	CAREY ROY D	2928 N MC MILLAN AVE	BETHANY	OK	73008-4845	LAKE PARK	001	005	LAKE PARK 001 005	2928 N MC MILLAN AVE BETHANY
2874	R172391055	NGUYEN PHUONG MY, NGUYEN NGHIA	10408 GLENDOWER AVE	OKLAHOMA CITY	OK	73162	LAKE PARK	001	006	LAKE PARK 001 006	2924 N MC MILLAN AVE BETHANY
2874	F172391065	NEWELL LANCE & CRISTY	2393 SILVER CROSSINGS CIR	PIEDMONT	OK	73078	LAKE PARK	001	007	LAKE PARK 001 007	2920 N MC MILLAN AVE BETHANY
2874	R173774210	SOROCHYNSKY VITALII	2911 N COUNCIL RD	BETHANY	OK	73008	UNPLTD PT SEC 19 12N 4W	000	000	UNPLTD PT SEC 19 12N 4W 000 000 000 PT N 1/2 OF SE4 OF SEC 19 12N 4W BEG 330FT S OF NE/C OF SD SEC 330FT W660FT N330FT E660FT TO BEG	2911 N COUNCIL RD BETHANY
2874	R173774830	THEPHACHANH JOHN D	3640 N ROCKWELL AVE	BETHANY	OK	73008	UNPLTD PT SEC 19 12N 4W	000	000	UNPLTD PT SEC 19 12N 4W 000 000 000 PT SE4 SEC 19 12N 4W 35FT S & 575FT W OF NE/C OF SE4 TH W85FT 5295FT E85FT N295FT TO BEG	0 UNKNOWN BETHANY
2874	R173774810	HINDMAN MARK & KAYLA	8024 NW 30TH ST	BETHANY	OK	73008	UNPLTD PT SEC 19 12N 4W	000	000	UNPLTD PT SEC 19 12N 4W BEG 389FT W OF NE/C OF SE4 TH W271FT S330FT E271FT N330FT TO BEG EX N35FT & EX W85FT	8024 NW 30TH ST BETHANY
2879	R173786805	OKLAHOMA NATURAL GAS CO	401 N HARVEY	OKLAHOMA CITY	OK	73102	UNPLTD PT SEC 20 12N 4W	000	000	UNPLTD PT SEC 20 12N 4W 000 000 000 PT SW4 SEC 20 12N 4W 000 000 000 PT SW4 SEC 20 12N 4W BEG 260FT S OF NW/C SW4 TH E660FT S396FT W660FT N396FT TO BEG EX A TR 40FT E&W BY 20FT N&S BEG 601FT S & 75FT E OF NW/C SW4 EXEMPT	0 UNKNOWN BETHANY
2879	R173786810	COUNCIL ROAD BAPTIST CHURCH	2900 N COUNCIL RD	BETHANY	OK	73008-4404	UNPLTD PT SEC 20 12N 4W	000	000	UNPLTD PT SEC 20 12N 4W 000 000 000	0 UNKNOWN BETHANY

Agenda: 05/07/2024

Item: 6

BPWA, BHT, BDA: 2

**BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY
BETHANY HOSPITAL TRUST
BETHANY DEVELOPMENT AUTHORITY**

From: Elizabeth A. Gray, City Manager
Date: May 21, 2024
Subject: FY 2025 Budget Resolution

BACKGROUND

On April 16, 2024, a public hearing was held to discuss the proposed budget for the fiscal year ending June 30, 2025. This was the final action required under the Municipal Budget Act prior to your approval. The Budget was presented for adoption at the May 7th City Council meeting, Where the City Council voted to continue the item to the May 21st meeting. Changes to the FY 25 Proposed Budget since the 5/7/2024 Council meeting:

Capital Improvement Fund:

Added a \$50,000 Capital Expense item for a sewer po-off valve program, and reduced the amount in the Streets, Sidewalks and Drainage Fund by \$50,000 (page 32).

We formally adopt the budget by resolution. The budget as presented to you includes the funds necessary to provide services to our citizens for the next year.

RECOMMENDATION

1. Approve Resolution No. 1698 adopting the budget for fiscal year ending June 30, 2025.

ADDITIONAL COMMENTS



RESOLUTION NO. 1698

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, ADOPTING THE FISCAL YEAR 2025 BUDGET FOR THE GENERAL FUND, MISCELLANEOUS FUNDS AND VARIOUS PUBLIC TRUSTS; AFFIRMING THE AUTHORITY OF THE CITY MANAGER TO MAKE TRANSFERS WITHIN THE GENERAL FUND; AND APPROPRIATING FUNDS FROM THE CAPITAL IMPROVEMENTS FUND FOR SPECIFIED EQUIPMENT AND PROJECTS

WHEREAS, the Bethany City Council conducted a public hearing on April 16, 2024, regarding the Fiscal Year 2025 annual budget and has further completed the budget process in accordance with Title 11 O.S. Sec. 17-201 et seq.; and

WHEREAS, the attached Exhibit "A," entitled "Budget Summary," represents the appropriations contained in said Budget, and the same must be approved by resolution; and

WHEREAS, the Budget has identified the need to purchase certain equipment from the Capital Improvement Fund during Fiscal Year 2025 for the purpose of preserving General Fund resources for operations; and

WHEREAS, said equipment is eligible for inclusion in the Capital Improvement Fund, and the Capital Improvement Plan should be amended accordingly.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council of the City of Bethany that:

1. The Fiscal Year 2025 Budget as contained in the attached Exhibit "A" is hereby adopted and incorporated by reference. The amended pay plans for employees as contained in the FY 2025 Budget is adopted and approved; provided no salary adjustments for employees subject to collective bargaining agreements shall become effective until an agreement is reached with the collective bargaining entity.
2. The inter-fund transfers included within the budget are hereby approved.
3. Resolution No. 819 authorizing the City Manager to make transfers within the General Fund, is affirmed.
4. The Capital Improvement Plan is amended to include the expenditures for equipment and projects enumerated in the budget.
5. The City Manager is authorized to proceed with implementation of the Fiscal Year 2025 Annual Budget, and to purchase from the Capital Improvement Fund, when necessary, the appropriate equipment or projects specified within the budget, subject to established policies governing expenditures, purchasing and contracts.

The undersigned hereby certify that the foregoing Resolution was duly adopted and approved by the Mayor and City Council of the City of Bethany on the 7th day of May 2024.

MAYOR SHANNON N. LLOYD

Attest:

Michael Vaughn
City Clerk

Approved as to form and legality:

R. Ray Jones, Jr.
City Attorney

City Of Bethany, Oklahoma Fiscal Year 2025 Budget

City of Bethany, Oklahoma Fiscal Year 2025 Budget

The Bethany City Council held a public hearing on the proposed FY 25 Budget on April 16, 2024, at 6:30 P.M., at Bethany City Hall, 6700 NW 36th Street, Bethany, OK 73008. The City Council Adopted the FY 25 Budget by resolution on May 21st, 2024 . The complete documents supporting the summarized budgets are available for public inspection from 8:00 A.M. until 5:00 P.M., Monday through Friday in the City Clerk's office at City Hall.

	General Fund	Bethany PWA	Special Revenue	Capital Improvement	Debt Service
Estimated Revenue					
Taxes	\$ 8,548,869		\$ 48,000	\$1,077,784	\$2,109,000
Licenses and Permits	176,684				
Intergovernmental	261,629		41,000	2,009,161	
Charges For Services	631,449	\$12,930,552	199,500		
Fines and Forfeitures	641,844				
Miscellaneous	418,713	1,455,945	650	3,358	
Interfund Transfers	2,793,894				
Fund Balance	<u>2,466,938</u>	<u>1,004,799</u>	<u>0</u>	<u>41,358</u>	<u>0</u>
Total Revenues	\$ 15,940,020	\$15,391,296	\$ 289,150	\$3,131,661	\$2,109,000
Estimated Expenditures					
General Government	\$ 3,388,194				
Public Safety	8,192,929		\$ 84,410		
Public Works (General Fund)	1,669,777				
Public Works (PWA)		\$ 10,981,103			
Debt Service		1,810,193			\$ 1,811,088
Capital Improvements				\$3,131,661	
Fund Balance			10,846		297,912
Interfund Transfers	<u>2,689,120</u>	<u>2,600,000</u>	<u>193,894</u>	<u>0</u>	<u>0</u>
Total Expenditures	\$ 15,940,020	\$ 15,391,296	\$ 289,150	\$3,131,661	\$ 2,109,000

GENERAL FUND
FY 2025 FINANCIAL SUMMARY

	Actual FY 23	Budget FY24B	Estimate FY24E	Budget FY25
<u>Revenue</u>				
Carryover From Previous Year	\$ 6,205,030	\$ 6,783,712	\$ 6,783,712	\$ 5,891,580
Total Operating Revenue	10,007,190	10,630,650	10,599,188	10,679,188
Operating Transfer From Public Works	2,515,470	2,150,000	2,150,000	2,600,000
Transfers From Other Funds	<u>319,000</u>	<u>178,894</u>	<u>178,894</u>	<u>193,894</u>
Revenue Available for Appropriation	<u>\$ 19,046,690</u>	<u>\$ 19,743,256</u>	<u>\$ 19,711,794</u>	<u>\$ 19,364,662</u>
<u>Expenditures</u>				
Maintenance and Operations	\$ 10,844,933	\$ 12,098,547	\$ 11,468,644	\$ 12,534,600
Capital Expenditures	339,642	461,819	623,450	246,300
Contingency	-	606,000	90,000	470,000
Transfer CIP Pledged Sales Tax	1,078,403	1,123,120	1,123,120	1,123,120
Transfer to Capital Improvement Fund	-	420,000	420,000	-
Transfer To Other Funds	<u>-</u>	<u>95,000</u>	<u>95,000</u>	<u>1,566,000</u>
Total Expenditures and Transfers	<u>\$ 12,262,978</u>	<u>\$ 14,804,486</u>	<u>\$ 13,820,214</u>	<u>\$ 15,940,020</u>
FB Carryover to Next Fiscal Year	<u>\$ 6,783,712</u>	<u>\$ 4,938,770</u>	<u>\$ 5,891,580</u>	<u>\$ 3,424,642</u>
Restricted Funds	<u>\$ (1,456,835)</u>	<u>\$ (1,456,835)</u>	<u>\$ (1,456,835)</u>	<u>\$ (1,456,835)</u>
Stabilization Reserve	<u>\$ (3,932,838)</u>	<u>\$ (3,481,935)</u>	<u>\$ (3,481,935)</u>	<u>\$ (1,967,807)</u>
Unreserved Unrestricted Fund Balance	<u>\$ 1,394,039</u>	<u>\$ (0)</u>	<u>\$ 952,810</u>	<u>\$ 0</u>

FINANCIAL SUMMARY

GENERAL FUND
FY 2025 SUMMARY OF REVENUES

SUMMARY OF REVENUES AND TRANSFERS IN

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Operating Revenue				
Sales Tax	\$ 5,762,304	\$ 6,038,704	\$ 6,002,958	6,002,958.00
Franchise-ONG/OG&E	598,920	751,061	883,630	883,630.00
Ordinance-Telephone	18,792	24,038	77,083	77,083.00
Franchise-Cable	129,504	105,852	60,454	60,454.00
Hotel tax	62,182	53,583	57,113	57,113.00
Use Tax	1,241,227	1,340,722	1,467,631	1,467,631.00
Subtotal Taxes	<u>\$ 7,812,929</u>	<u>\$ 8,313,960</u>	<u>\$ 8,548,869</u>	<u>\$ 8,548,869</u>
Occupation	\$ 38,100	\$ 28,119	\$ 50,345	50,345.00
Building Permits	48,453	28,246	54,934	54,934.00
Inspection Fees & Permits	37,608	33,446	71,405	71,405.00
Zoning Permits	125	1,094	-	-
Subtotal Licenses & Permits	<u>\$ 124,286</u>	<u>\$ 90,905</u>	<u>\$ 176,684</u>	<u>\$ 176,684</u>
Alcohol Beverage Tax	\$ 56,190	\$ 57,391	\$ 53,832	53,832.00
Tobacco Tax	45,965	42,592	38,671	38,671.00
Gasoline Tax	36,959	37,049	37,354	37,354.00
Motor Vehicle Tax	151,066	139,694	131,772	131,772.00
Subtotal Intergovernmental Revenue	<u>\$ 290,180</u>	<u>\$ 276,726</u>	<u>\$ 261,629</u>	<u>\$ 261,629.00</u>
Accounting Dept Revenues	\$ 19,800	\$ 26,400	\$ 26,400	26,400.00
Emergency Medical call services fee	287,166	279,415	280,831	280,831.00
Stormwater compliance fee	333,655	323,352	324,218	324,218.00
Swimming Pool	-	-	-	-
Subtotal Charges for Services	<u>\$ 640,621</u>	<u>\$ 629,167</u>	<u>\$ 631,449</u>	<u>\$ 631,449</u>
Police Fines and Court Costs	745,014	813,252	641,844	641,844.00
Total Police Fines & Court Costs	<u>\$ 745,014</u>	<u>\$ 813,252</u>	<u>\$ 641,844</u>	<u>\$ 641,844</u>
Cemetery Lot Sales	\$ 32,500	\$ 34,200	\$ 11,880	11,880.00
Economic Dev Promo and Event Revenue	-	-	288	288.00
Interest on Investments	11,451	13,515	29,472	29,472.00
Mineral Rights & Royalties	30,432	34,853	11,086	11,086.00
Grant Revenue	153,065.00	134,000	41,434	121,434.00
State on Behalf Payments	-	-	-	-
Reimbursements	46,499	30,386	26,119	26,119.00
OMAG Reimbursements	40,387	48,483	-	-
Credit Card Fees	8,584	102,913	101,986	101,986.00
Misc. - Other	71,242	108,290	116,448	116,448.00
Subtotal Miscellaneous Revenue	<u>\$ 394,160</u>	<u>\$ 506,640</u>	<u>\$ 338,713</u>	<u>\$ 418,713</u>

SUMMARY OF REVENUES AND TRANSFERS

Total Operating Revenue	\$ 10,007,190	\$ 10,630,650	\$ 10,599,188	\$ 10,679,188
Transfers From Other Sources				
Transfer from Public Safety Fund	317,000	168,894	-	183,894
Transfer from E-911 Fund	-	10,000	-	10,000
Transfer from Juvenile Justice Fund	-	-	-	-
Transfer From BEDA	2,000	-	-	-
Total Transfers	<u>\$ 319,000</u>	<u>\$ 178,894</u>	<u>\$ -</u>	<u>\$ 193,894</u>
Total General Fund Revenue	<u>\$ 10,326,190</u>	<u>\$ 10,809,544</u>	<u>\$ 10,599,188</u>	<u>\$ 10,873,082</u>
Fund Balance Appropriated	-	1,660,838	1,108,026	2,273,044
Total Funds Appropriated	\$ 10,326,190	\$ 12,470,382	\$ 11,707,214	\$ 13,146,126

**GENERAL FUND
DEPARTMENTAL SUMMARY OF EXPENDITURES AND TRANSFERS**

DEPARTMENTAL SUMMARY OF EXPENDITURES AND TRANSFERS

Department	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Management	\$ 844,115	\$ 1,039,918	\$ 956,544	\$ 990,500
Finance	396,672	429,104	391,596	431,087
Municipal Court	575,146	620,082	549,316	616,560
Engineering	121,421	351,000	209,000	190,000
Police	4,558,368	4,694,394	4,623,834	5,150,439
Fire	2,743,588	2,910,684	3,062,039	3,042,490
Community Development	557,974	620,108	566,822	690,047
Public Works	951,848	1,289,309	1,375,362	1,091,343
Parks	440,089	600,557	494,581	578,434
Contingency	-	606,000	-	470,000
Total Gen Fund Expenditures	<u>\$ 11,189,221</u>	<u>\$ 13,161,156</u>	<u>\$ 12,229,094</u>	<u>\$ 13,250,900</u>
Transfers In				
Transfer In- BEDA				
Transfer In- BPWA Operating	2,515,470	2,150,000	2,150,000	2,600,000
Transfer In- Public Safety Fund	-	168,894	-	183,894
Transfer In- E911 Fund	-	-	-	10,000
Transfer In- Juvenile Justice Fund	-	10,000	10,000	-
Total Transfers In	<u>\$ 2,515,470</u>	<u>\$ 2,328,894</u>	<u>\$ 2,160,000</u>	<u>\$ 2,793,894</u>
Transfers Out				
Transfer Out- Pledged Sales Tax CIP	\$ 1,078,403	\$ 1,123,120	\$ 1,123,120	1,123,120.00
Transfer Out - Capital Improvement Fund	\$ -	\$ 420,000	\$ 420,000	\$ -
Transfer Out- BEDA Hotel Tax	75,000	75,000	75,000	46,000
Transfer Out - Federal Grant Fund				1,500,000
Transfer Out- BDA	-	20,000	20,000	20,000
Total Transfers Out	<u>1,153,403</u>	<u>1,638,120</u>	<u>1,638,120</u>	<u>2,689,120</u>
Total Transfers In/Out	<u>\$ (1,362,067)</u>	<u>\$ (690,774)</u>	<u>\$ (521,880)</u>	<u>\$ (104,774)</u>
Total Expenditures and Transfers	<u>\$ 9,827,154</u>	<u>\$ 12,470,382</u>	<u>\$ 11,707,214</u>	<u>\$ 13,146,126</u>

**GENERAL FUND
SUMMARY OF EXPENDITURES BY OBJECT CODE**

SUMMARY OF EXPENDITURES BY OBJECT CODE

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 6,056,072	\$ 6,244,132	\$ 6,186,387	\$ 6,715,498
101 Allowances	180,163	202,874	164,916	199,322
102 FICA & Medicare	361,729	378,747	364,430	424,669
103 Retirement	700,098	737,358	726,383	804,144
104 Insurance - Employee	1,179,890	1,312,265	1,204,456	1,277,098
105 Membership, Travel & Training	98,088	126,750	112,017	128,122
106 Overtime	238,275	224,044	223,094	207,861
Total 100 Personal Service	<u>\$ 8,814,315</u>	<u>\$ 9,226,170</u>	<u>\$ 8,981,683</u>	<u>\$ 9,756,714</u>
200 Materials & Supplies				
210 Office Supplies	\$ 23,070	\$ 33,550	\$ 41,412	\$ 45,948
211 Janitor Supplies	6,379	9,250	5,561	8,170
212 Maintenance Supplies	157,553	179,905	130,490	184,948
213 Fuel & Lubricants	137,330	173,432	135,560	155,992
214 Small Tools	2,592	11,000	1,500	11,000
215 Chemicals	5,981	3,000	7,302	5,000
216 Fees and Materials	4,028	5,000	4,226	8,000
Total 200 Materials & Supplies	<u>\$ 336,933</u>	<u>\$ 415,137</u>	<u>\$ 326,051</u>	<u>\$ 419,058</u>
300 Other Services & Charges				
340 Professional Services	\$ 410,480	\$ 800,701	\$ 688,763	\$ 690,534
341 Utilities	255,702	335,500	247,065	323,900
342 Maintenance Contractual	248,030	331,238	301,680	320,600
342.1 Vehicle Repair	40,475	45,000	36,734	43,000
343 Insurance - Property	106,332	149,434	117,838	163,817
345 911 Service Charges	1,763	10,000	538	15,000
345 Abatement Costs	9,993	30,000	10,082	40,000
347 Economic Development	65,987	78,500	66,000	66,000
350 Advertising and Promotions	2,863	3,000	3,000	3,000
351 IT and Technology Expenses	216,751	301,021	371,462	311,800
Animal Control	22,283	26,650	22,538	28,000
352 Dues and Fees	233,553	246,096	235,625	245,877
353 Software License and Support	79,473	100,100	59,585	107,300
Total 300 Services & Charges	<u>\$ 1,693,685</u>	<u>\$ 2,457,240</u>	<u>\$ 2,160,910</u>	<u>\$ 2,358,828</u>
Subtotal Maintenance and Operations	<u>\$ 10,844,933</u>	<u>\$ 12,098,547</u>	<u>\$ 11,468,644</u>	<u>\$ 12,534,600</u>

**GENERAL FUND
SUMMARY OF EXPENDITURES BY OBJECT CODE**

SUMMARY OF EXPENDITURES BY OBJECT CODE

400 Capital Expenditures				
401 Office Equipment	\$ 5,061	\$ 6,700	\$ 2,450	\$ 9,300
402 Motor Vehicles & Machinery	134,162	150,000	135,000	150,000
403 Other Equipment	195,526	19,119	-	-
404 Projects	4,893	280,000	480,000	81,000
405 Council Chambers	<u>-</u>	<u>6,000</u>	<u>6,000</u>	<u>6,000</u>
Total 400 Capital Expenditures	<u>\$ 339,642</u>	<u>\$ 461,819</u>	<u>\$ 623,450</u>	<u>\$ 246,300</u>
500 Contingency				
501 Operating Contingency	\$ -	\$ 250,000	\$ -	\$ 250,000
502 Capital Contingency	-	136,000	-	-
503 Disaster/Emergency Contingency	-	-	-	-
504 Employee Severance Contingency	-	90,000	-	90,000
505 Compensated Absence Contingency	-	80,000	-	80,000
506 Litigation Contingency	-	50,000	-	50,000
507 Restricted Capital Contingency	-	-	-	-
508 Restricted Emergency Contingency	-	-	-	-
509 Restricted OPEB Contingency	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total 500 Contingency	<u>\$ -</u>	<u>\$ 606,000</u>	<u>\$ -</u>	<u>\$ 470,000</u>
Total Expenditures	<u>\$ 11,184,575</u>	<u>\$ 13,166,366</u>	<u>\$ 12,092,094</u>	<u>\$ 13,250,900</u>

**1.0 Management - General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 351,433	\$ 340,000	\$ 366,230	373,000.00
101 Allowances	4,901	5,000	5,294	5,500.00
102 FICA & Medicare	25,591	26,010	26,834	29,000.00
103 Retirement	36,506	38,000	37,166	39,000.00
104 Insurance - Employee	41,358	50,400	41,047	44,000.00
105 Membership, Travel & Training	36,243	37,200	37,200	37,200.00
106 Overtime	-	-	-	-
Total 100 Personal Service	<u>\$ 496,032</u>	<u>\$ 496,610</u>	<u>\$ 513,771</u>	<u>\$ 527,700</u>
200 Materials & Supplies				
210 Office Supplies	\$ 9,383	\$ 5,000	\$ 23,297	15,000.00
211 Janitor Supplies	935	500	492	500.00
212 Maintenance Supplies	1,710	2,000	1,279	2,000.00
213 Fuel & Lubricants	1,264	2,000	1,255	2,000.00
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 13,292</u>	<u>\$ 9,500</u>	<u>\$ 26,323</u>	<u>\$ 19,500</u>
300 Other Services & Charges				
340 Professional Services	\$ 182,927	\$ 314,337	\$ 203,000	203,000.00
341 Utilities	27,672	34,000	32,000	35,700.00
342 Maintenance Contractual	19,141	25,000	30,000	30,000.00
343 Insurance - Property	6,824	23,200	15,000	23,200.00
344 Refunds	-	-	-	-
350 Advertising & Promotion	2,863	3,000	3,000	3,000.00
351 IT and Technology Expenses	78,598	118,821	118,000	129,800.00
353 Software Licenses and Support	-	7,000	7,000	7,300.00
Total 300 Services & Charges	<u>\$ 318,025</u>	<u>\$ 525,358</u>	<u>\$ 408,000</u>	<u>\$ 432,000.00</u>
Subtotal Maintenance & Operations	<u>\$ 827,349</u>	<u>\$ 1,031,468</u>	<u>\$ 948,094</u>	<u>\$ 979,200</u>
400 Capital Expenditures				
401 Office Equipment	\$ 2,091	\$ 2,450	\$ 2,450	5,300.00
403 Other Equipment	-	-	-	-
404 Projects	14,675	-	-	-
405 Council Chambers	-	6,000	6,000	6,000.00
Total 400 Capital Expenditures	<u>\$ 16,766</u>	<u>\$ 8,450</u>	<u>\$ 8,450</u>	<u>\$ 11,300</u>
500 Contingency				
501 Operating Contingency	\$ -	\$ -	\$ -	\$ -
502 Capital Contingency	-	-	-	-
Total 500 Contingency	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u>\$ 844,115</u>	<u>\$ 1,039,918</u>	<u>\$ 956,544</u>	<u>\$ 990,500</u>

1.0 Management and General Government

**2.0 Finance - General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 244,820	\$ 231,000	\$ 243,221	252,950.00
101 Allowances	1,447	1,400	1,805	1,900.00
102 FICA & Medicare	17,426	18,204	17,316	19,351.00
103 Retirement	20,699	20,500	20,558	22,386.00
104 Insurance - Employee	40,113	40,000	39,523	40,000.00
105 Membership, Travel & Training	1,168	2,000	838	2,000.00
106 Overtime	-	500	-	-
Total 100 Personal Service	<u>\$ 325,673</u>	<u>\$ 313,604</u>	<u>\$ 323,261</u>	<u>\$ 338,587</u>
200 Materials & Supplies				
210 Office Supplies	\$ 1,795	\$ 3,500	\$ 3,340	3,500.00
211 Janitor Supplies	-	-	-	-
212 Maintenance Supplies	-	-	-	-
213 Fuel & Lubricants	-	-	-	-
214 Small Tools	-	-	-	-
216 Financial Fees	2,080	-	-	2,000.00
Total 200 Materials & Supplies	<u>\$ 3,875</u>	<u>\$ 3,500</u>	<u>\$ 3,340</u>	<u>\$ 5,500</u>
300 Other Services & Charges				
340 Professional Services	\$ 29,077	\$ 46,000	\$ 26,203	30,000.00
341 Utilities	-	-	-	-
342 Maintenance Contractual	2,947	25,000	900	13,000.00
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	-	-	-	-
344 Refunds	-	-	-	-
353 Software Licenses and Support	35,100	37,000	37,892	40,000.00
Total 300 Services & Charges	<u>\$ 67,124</u>	<u>\$ 108,000</u>	<u>\$ 64,995</u>	<u>\$ 83,000</u>
Subtotal Maintenance & Operations	<u>\$ 396,672</u>	<u>\$ 425,104</u>	<u>\$ 391,596</u>	<u>\$ 427,087</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ 4,000	\$ -	\$ 4,000
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ 4,000</u>	<u>\$ -</u>	<u>\$ 4,000</u>
Total Expenditures	<u>\$ 396,672</u>	<u>\$ 429,104</u>	<u>\$ 391,596</u>	<u>\$ 431,087</u>

2.0 Finance - General Fund

3.0 Municipal Court - General Fund
Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 381,415	\$ 364,391	\$ 338,573	315,000.00
101 Allowances	23,243	22,760	15,540	960.00
102 FICA & Medicare	29,464	29,161	25,594	23,000.00
103 Retirement	30,683	29,337	26,969	25,000.00
104 Insurance - Employee	48,422	54,593	41,006	49,200.00
105 Membership, Travel & Training	2,099	5,800	1,200	5,900.00
106 Overtime	-	-	-	-
Total 100 Personal Service	<u>\$ 515,326</u>	<u>\$ 506,042</u>	<u>\$ 448,882</u>	<u>\$ 419,060</u>
200 Materials & Supplies				
210 Office Supplies	\$ 2,064	\$ 5,300	\$ 1,013	5,700.00
211 Janitor Supplies	-	1,300	329	900.00
212 Maintenance Supplies	55	1,300	427	1,500.00
213 Fuel & Lubricants	5	1,500	14	1,500.00
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 2,124</u>	<u>\$ 9,400</u>	<u>\$ 1,783</u>	<u>\$ 9,600</u>
300 Other Services & Charges				
340 Professional Services	\$ 3,372	\$ 12,860	\$ 35,124	75,600.00
341 Utilities	12,066	10,500	14,000	13,000.00
342 Maintenance Contractual	30,292	53,180	30,000	51,300.00
342.1 Vehicle Repair	1,292	5,000	-	3,000.00
343 Insurance - Property	4,874	7,000	4,834	35,000.00
344 Refunds	-	-	-	-
353 Software Licenses and Support	5,800	16,100	14,693	10,000
Total 300 Services & Charges	<u>\$ 57,696</u>	<u>\$ 104,640</u>	<u>\$ 98,651</u>	<u>\$ 187,900</u>
Subtotal Maintenance & Operations	<u>\$ 575,146</u>	<u>\$ 620,082</u>	<u>\$ 549,316</u>	<u>\$ 616,560</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	-
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u>\$ 575,146</u>	<u>\$ 620,082</u>	<u>\$ 549,316</u>	<u>\$ 616,560</u>

3.0 Legal and Municipal Court - General Fund

**4.0 Engineering - General Fund
Departmental Summary**

4.0 Engineering Service - General Fund

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ -	\$ -	\$ -	\$ -
101 Allowances		-	-	-
102 FICA & Medicare	-	-	-	-
103 Retirement	-	-	-	-
104 Insurance - Employee	-	-	-	-
105 Membership, Travel & Training	-	-	-	-
106 Overtime	-	-	-	-
Total 100 Personal Service	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
200 Materials & Supplies				
210 Office Supplies	\$ -	\$ -	\$ -	\$ -
211 Janitor Supplies	-	-	-	-
212 Maintenance Supplies	-	-	-	-
213 Fuel & Lubricants	-	-	-	-
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
300 Other Services & Charges				
340 Professional Services	\$ 120,680	\$ 350,000	\$ 208,000	189,000.00
341 Utilities	-	-	-	-
342 Maintenance Contractual	741	1,000	1,000	1,000.00
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	-	-	-	-
344 Refunds	-	-	-	-
Total 300 Services & Charges	<u>\$ 121,421</u>	<u>\$ 351,000</u>	<u>\$ 209,000</u>	<u>\$ 190,000</u>
Subtotal Maintenance & Operations	<u>\$ 121,421</u>	<u>\$ 351,000</u>	<u>\$ 209,000</u>	<u>\$ 190,000</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u>\$ 121,421</u>	<u>\$ 351,000</u>	<u>\$ 209,000</u>	<u>\$ 190,000</u>

**5.0 Police - General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 2,465,026	\$ 2,551,516	\$ 2,653,759	2,931,525.00
101 Allowances	89,113	97,922	87,204	112,415.00
102 FICA & Medicare	190,641	195,191	200,141	238,720.00
103 Retirement	294,186	304,726	314,897	351,779.00
104 Insurance - Employee	526,430	580,000	528,110	550,000.00
105 Membership, Travel & Training	26,324	45,000	49,757	47,000.00
106 Overtime	133,254	114,000	94,198	114,000.00
Total 100 Personal Service	<u>\$ 3,724,974</u>	<u>\$ 3,888,355</u>	<u>\$ 3,928,066</u>	<u>4,345,439.00</u>
200 Materials & Supplies				
210 Office Supplies	\$ 6,993	\$ 7,000	\$ 5,546	7,000.00
211 Janitor Supplies	2,305	2,500	1,538	2,500.00
212 Maintenance Supplies	50,211	46,000	21,809	51,000.00
213 Fuel & Lubricants	71,874	90,210	70,507	80,000.00
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 131,383</u>	<u>\$ 145,710</u>	<u>\$ 99,400</u>	<u>\$ 140,500</u>
300 Other Services & Charges				
340 Professional Services	\$ 15,524	\$ 20,000	\$ 14,892	20,500.00
341 Utilities	30,183	50,000	19,920	50,000.00
342 Maintenance Contractual	28,887	31,000	22,015	31,000.00
342.1 Vehicle Repair	39,183	40,000	36,734	40,000.00
343 Insurance - Property	69,726	87,470	71,522	75,000.00
345 911 Service Charges	1,763	10,000	538	15,000.00
351 IT and Technology Exp	138,153	182,200	253,462	182,000.00
352 Dues and Fees	17,676	23,219	19,747	23,000.00
353 Software Licenses and Support	38,573	40,000	-	50,000.00
Animal Control	22,283	26,650	22,538	28,000.00
Total 300 Services & Charges	<u>\$ 401,951</u>	<u>\$ 510,539</u>	<u>\$ 461,368</u>	<u>514,500.00</u>
Subtotal Maintenance & Operations	<u>\$ 4,258,308</u>	<u>\$ 4,539,394</u>	<u>\$ 4,488,834</u>	<u>\$ 5,000,439</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	-
402 Motor Vehicles & Machinery	117,722	135,000	135,000	150,000.00
403 Other Equipment	177,445	-	-	-
404 Projects	4,893	20,000	-	-
Total 400 Capital Expenditures	<u>300,060</u>	<u>155,000</u>	<u>135,000</u>	<u>150,000</u>
Total Expenditures	<u>\$ 4,558,368</u>	<u>\$ 4,694,394</u>	<u>\$ 4,623,834</u>	<u>\$ 5,150,439</u>

5.0 Police Department - General Fund

**6.0 Fire - General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 1,610,540	\$ 1,602,491	\$ 1,653,250	1,685,130.00
101 Allowances	40,333	55,140	34,637	56,243.00
102 FICA & Medicare	24,078	26,694	24,187	29,628.00
103 Retirement	228,062	243,383	241,930	267,349.00
104 Insurance - Employee	316,845	345,000	362,604	362,500.00
105 Membership, Travel & Training	24,117	25,000	20,000	25,000.00
106 Overtime	96,926	98,000	112,793	78,000.00
Total 100 Personal Service	<u>\$ 2,340,901</u>	<u>\$ 2,395,708</u>	<u>\$ 2,449,401</u>	<u>2,503,850.00</u>
200 Materials & Supplies				
210 Office Supplies	\$ 1,678	\$ 2,200	\$ 1,000	2,288.00
211 Operating Supplies	2,190	2,500	2,194	2,600.00
212 Maintenance Supplies	18,950	21,951	17,851	22,829.00
213 Fuel & Lubricants	16,789	20,000	16,850	20,800.00
214 Small Tools	-	8,000	-	8,000
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 39,607</u>	<u>\$ 54,651</u>	<u>\$ 37,895</u>	<u>\$ 56,517</u>
300 Other Services & Charges				
340 Professional Services	\$ 17,574	\$ 19,469	24,000	35,748.00
341 Utilities	18,584	30,000	10,942	31,200.00
342 Maintenance Contractual	96,152	95,000	95,000	98,800.00
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	12,048	12,979	11,923	13,498.00
352 Dues and Fees	215,877	222,877	215,878	222,877.00
Total 300 Services & Charges	<u>\$ 360,235</u>	<u>\$ 380,325</u>	<u>\$ 357,743</u>	<u>402,123.00</u>
Subtotal Maintenance & Operations	<u>\$ 2,740,743</u>	<u>\$ 2,830,684</u>	<u>\$ 2,845,039</u>	<u>\$ 2,962,490</u>
400 Capital Expenditures				
401 Office Equipment	\$ 2,845	\$ -	\$ -	-
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	137,000	-
4045 AFG Grant Exp	-	80,000	80,000	80,000
Total 400 Capital Expenditures	<u>\$ 2,845</u>	<u>\$ 80,000</u>	<u>\$ 217,000</u>	<u>\$ 80,000</u>
Total Expenditures	<u>\$ 2,743,588</u>	<u>\$ 2,910,684</u>	<u>\$ 3,062,039</u>	<u>\$ 3,042,490</u>

6.0 Fire Department - General Fund

**7.0 Community Development
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 330,882	\$ 350,000	\$ 341,328	400,000
101 Allowances	4,978	5,000	5,345	6,000
102 FICA & Medicare	24,177	23,224	25,298	25,298
103 Retirement	31,960	31,192	32,551	32,551
104 Insurance - Employee	44,655	31,192	39,864	39,864
105 Membership, Travel & Training	7,173	10,000	2,000	10,000
106 Overtime	-	-	-	-
Total 100 Personal Service	\$ 443,825	\$ 450,608	\$ 446,386	\$ 513,713
200 Materials & Supplies				
210 Office Supplies	\$ 4,939	\$ 9,000	\$ 5,923	11,000
211 Janitor Supplies	-	-	-	-
212 Maintenance Supplies	60	500	-	-
213 Fuel & Lubricants	6,369	8,000	6,278	8,000
214 Small Tools	-	500	-	5,000
215 Chemicals	-	-	-	-
216 Stormwater Education materials	1,948	5,000	4,226	8,000
Total 200 Materials & Supplies	\$ 13,316	\$ 23,000	\$ 16,427	\$ 32,000
300 Other Services & Charges				
340 Professional Services	\$ 9,176	\$ 20,000	\$ 11,328	20,500
341 Prof Svc-Code ReWrite	-	-	-	-
342 Maintenance Contractual	10,803	11,500	11,765	13,000
343 Insurance - Property	4,874	6,500	4,834	4,834
345 Abatement Costs	9,993	30,000	10,082	40,000
347 Econ Dev Promotions & Events	65,987	78,500	66,000	66,000
Total 300 Services & Charges	\$ 100,833	\$ 146,500	\$ 104,009	\$ 144,334
Subtotal Maintenance & Operations	\$ 557,974	\$ 620,108	\$ 566,822	\$ 690,047
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 557,974	\$ 620,108	\$ 566,822	\$ 690,047

7.0 Community Development - General Fund

**97.0 Contingency-General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Salaries	\$ -	\$ -	\$ -	\$ -
101 Allowances	-	-	-	-
102 FICA & Medicare	-	-	-	-
103 Retirement	-	-	-	-
104 Insurance - Employee	-	-	-	-
105 Membership, Travel & Training	-	-	-	-
	-	-	-	-
Total 100 Personal Service	\$ -	\$ -	\$ -	\$ -
	-	-	-	-
Total 200 Materials & Supplies	\$ -	\$ -	\$ -	\$ -
	-	-	-	-
Total 300 Services & Charges	\$ -	\$ -	\$ -	\$ -
Subtotal Maintenance and Operations	\$ -	\$ -	\$ -	\$ -
400 Capital Expenditures				
Total 400 Capital Expenditures	\$ -	\$ -	\$ -	\$ -
500 Contingency				
501 Operating Contingency	\$ -	\$ 250,000	\$ -	\$ 250,000
502 Capital Contingency	-	136,000	-	-
503 Disaster/Emergency Contingency	-	-	-	-
504 Employee Severance Contingency	-	90,000	-	90,000
505 Compensated Absence Contingency	-	80,000	-	80,000
506 Medical Contingency	-	50,000	-	50,000
507 Restricted Capital Contingency	-	-	-	-
508 Restricted Emergency Contingency	-	-	-	-
509 Restricted OPEB Contingency	-	-	-	-
Total 500 Contingency	\$ -	\$ 606,000	\$ -	\$ 470,000

97.0 Contingency-General Fund

8.1 Public Works - Administration- General Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 98,612	\$ 99,171	\$ 100,740	104,770
101 Allowances	815	780	823	823
102 FICA & Medicare	7,280	7,543	7,752	8,150
103 Retirement	8,469	8,475	9,050	9,050
104 Insurance - Employee	15,446	20,385	16,118	17,000
105 Membership, Travel & Training	215	750	456	456
106 Overtime	1,385	1,054	4,000	4,000
Total 100 Personal Service	<u>\$ 132,222</u>	<u>\$ 138,158</u>	<u>\$ 138,939</u>	<u>\$ 144,249</u>
200 Materials & Supplies				
210 Office Supplies	\$ 700	\$ 750	\$ 554	750.00
211 Janitor Supplies	93	200	190	170.00
212 Maintenance Supplies	502	1,000	500	750.00
213 Fuel & Lubricants	-	-	-	-
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 1,295</u>	<u>\$ 1,950</u>	<u>\$ 1,244</u>	<u>\$ 1,670</u>
300 Other Services & Charges				
340 Professional Services	\$ 614	\$ 535	\$ 662	662
341 Utilities	12,272	21,000	15,000	22,000
342 Maintenance Contractual	1,540	1,000	1,000	1,000
342.1 Vehicle Repair	1,787	-	-	-
343 Insurance - Property	-	2,241	1,800	2,241
346 Well & Legal	-	-	-	-
Total 300 Services & Charges	<u>\$ 16,213</u>	<u>\$ 24,776</u>	<u>\$ 18,462</u>	<u>\$ 25,903</u>
Subtotal Maintenance & Operations	<u>\$ 149,730</u>	<u>\$ 164,884</u>	<u>\$ 158,645</u>	<u>\$ 171,822</u>
400 Capital Expenditures				
401 Office Equipment	\$ 125	\$ -	\$ -	-
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	763	619	-	-
404 Projects	-	25,000	-	\$1,000
Total 400 Capital Expenditures	<u>\$ 888</u>	<u>\$ 25,619</u>	<u>\$ -</u>	<u>\$ 1,000</u>
Total Expenditures	<u><u>\$ 150,618</u></u>	<u><u>\$ 190,503</u></u>	<u><u>\$ 158,645</u></u>	<u><u>\$ 172,822</u></u>

8.1 Public Works - Administration- General Fund

**8.2 Streets - General Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 283,447	\$ 309,382	\$ 270,890	\$ 303,495
101 Allowances	6,423	6,109	7,018	7,018
102 FICA & Medicare	21,458	22,763	20,592	23,754
103 Retirement	24,598	26,287	23,861	26,576
104 Insurance - Employee	85,501	98,700	81,202	85,262
105 Membership, Travel & Training	-	-	-	-
106 Overtime	4,251	6,240	6,482	6,240
Total 100 Personal Service	<u>\$ 425,678</u>	<u>\$ 469,481</u>	<u>\$ 410,045</u>	<u>\$ 452,345</u>
200 Materials & Supplies				
210 Office Supplies	\$ 74	\$ 200	\$ 360	\$ 360
211 Janitor Supplies	-	-	-	-
212 Maintenance Supplies	44,651	61,369	48,223	61,369
213 Fuel & Lubricants	26,411	31,530	26,426	21,000
214 Small Tools	111	500	-	500
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 71,247</u>	<u>\$ 93,599</u>	<u>\$ 75,009</u>	<u>\$ 83,229</u>
300 Other Services & Charges				
340 Professional Services	\$ 2,173	\$ 2,000	\$ 17,774	\$ 17,744
341 Utilities	145,641	170,000	143,203	170,000
342 Maintenance Contractual	38,949	53,058	76,000	76,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property and Liability	7,986	10,044	7,925	10,044
345 Public Transportation	-	-	-	-
Total 300 Services & Charges	<u>\$ 194,749</u>	<u>\$ 235,102</u>	<u>\$ 244,902</u>	<u>\$ 273,788</u>
Subtotal Maintenance & Operations	<u>\$ 691,674</u>	<u>\$ 798,182</u>	<u>\$ 729,956</u>	<u>\$ 809,362</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	16,440	-	-	-
403 Other Equipment	-	17,000	-	-
404 Projects	-	150,000	400,000	-
Total 400 Capital Expenditures	<u>\$ 16,440</u>	<u>\$ 167,000</u>	<u>\$ 400,000</u>	<u>\$ -</u>
Total Expenditures	<u><u>\$ 708,114</u></u>	<u><u>\$ 965,182</u></u>	<u><u>\$ 1,129,956</u></u>	<u><u>\$ 809,362</u></u>

8.2 Streets - General Fund

8.4 Fleet and Maintenance - General Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 56,836	\$ 68,107	\$ 49,846	\$ 70,831
101 Allowances	263	300	-	-
102 FICA & Medicare	4,217	5,003	3,696	5,419
103 Retirement	4,499	5,784	4,243	5,943
104 Insurance - Employee	8,276	11,145	8,422	8,422
105 Membership, Travel & Training	-	-	-	-
106 Overtime	206	250	742	742
Total 100 Personal Service	<u>\$ 74,297</u>	<u>\$ 90,589</u>	<u>\$ 66,949</u>	<u>\$ 91,357</u>
200 Materials & Supplies				
210 Office Supplies	\$ 219	\$ 250	\$ -	\$ -
211 Janitor Supplies	135	250	-	-
212 Maintenance Supplies	5,200	5,285	4,200	4,500
213 Fuel & Lubricants	5,097	8,000	5,508	6,000
214 Small Tools	2,211	1,500	1,500	1,500
215 Chemicals	-	-	4,302	-
Total 200 Materials & Supplies	<u>\$ 12,862</u>	<u>\$ 15,285</u>	<u>\$ 15,510</u>	<u>\$ 12,000</u>
300 Other Services & Charges				
340 Professional Services	\$ 478	\$ 500	\$ 302	\$ 302
341 Utilities	-	-	-	-
342 Maintenance Contractual	3,983	5,500	4,000	5,500
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	-	-	-	-
344 Refunds	-	-	-	-
Total 300 Services & Charges	<u>\$ 4,461</u>	<u>\$ 6,000</u>	<u>\$ 4,302</u>	<u>\$ 5,802</u>
Subtotal Maintenance & Operations	<u>\$ 91,620</u>	<u>\$ 111,874</u>	<u>\$ 86,761</u>	<u>\$ 109,159</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ 250	\$ -	\$ -
402 Motor Vehicles & Machinery	-	15,000	-	-
403 Other Equipment	1,496	1,500	-	-
404 Projects	-	5,000	-	-
Total 400 Capital Expenditures	<u>\$ 1,496</u>	<u>\$ 21,750</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u><u>\$ 93,116</u></u>	<u><u>\$ 133,624</u></u>	<u><u>\$ 86,761</u></u>	<u><u>\$ 109,159</u></u>

8.4 Fleet and Maintenance - General Fund

**8.5 Parks & Culture Department
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 233,061	\$ 328,074	\$ 168,550	\$ 278,797
101 Allowances	8,647	8,463	7,250	8,463
102 FICA & Medicare	17,397	24,954	13,020	22,349
103 Retirement	20,436	29,674	15,158	24,510
104 Insurance - Employee	52,844	80,850	46,560	80,850
105 Membership, Travel & Training	749	1,000	566	566
106 Overtime	2,253	4,000	4,879	4,879
Total 100 Personal Service	<u>\$ 335,387</u>	<u>\$ 477,015</u>	<u>\$ 255,983</u>	<u>\$ 420,414</u>
200 Materials & Supplies				
210 Office Supplies	\$ 164	\$ 350	\$ 379	\$ 350
211 Janitor Supplies	661	1,500	818	1,500
212 Maintenance Supplies	29,905	33,000	29,923	33,000
213 Fuel & Lubricants	15,890	19,692	15,000	19,692
214 Small Tools	270	1,000	-	1,000
215 Chemicals	3,901	3,000	3,000	3,000
Total 200 Materials & Supplies	<u>\$ 50,791</u>	<u>\$ 58,542</u>	<u>\$ 49,120</u>	<u>\$ 58,542</u>
300 Other Services & Charges				
340 Professional Services	\$ 28,885	\$ 15,000	\$ 147,478	\$ 97,478
341 Utilities	9,284	20,000	12,000	2,000
342 Maintenance Contractual	14,595	30,000	30,000	-
342.1 Vehicle Repair	-	-	-	-
344 Refunds	-	-	-	-
376 Parks Committee Projects	-	-	-	-
Total 300 Services & Charges	<u>\$ 52,764</u>	<u>\$ 65,000</u>	<u>\$ 189,478</u>	<u>\$ 99,478</u>
Subtotal Maintenance & Operations	<u>\$ 438,942</u>	<u>\$ 600,557</u>	<u>\$ 494,581</u>	<u>\$ 578,434</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	1,147	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	<u>\$ 1,147</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u><u>\$ 440,089</u></u>	<u><u>\$ 600,557</u></u>	<u><u>\$ 494,581</u></u>	<u><u>\$ 578,434</u></u>

8.5 Parks & Culture Department

**PUBLIC WORKS FUND
FINANCIAL SUMMARY**

PUBLIC WORKS FUND FINANCIAL SUMMARY

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue*	\$ 10,172,469	\$ 10,499,454	\$ 13,682,491	\$ 14,386,497
Carryover From Previous Year	9,722,374	9,587,272	9,587,272	11,174,830
Total Operating Revenue	10,172,469	10,499,454	13,682,491	14,386,497
Other Capital Transfers				
Transfer In - Pledged Sales Tax	-	-	-	-
Revenue Available for Appropriation	<u>\$ 19,894,843</u>	<u>\$ 20,086,726</u>	<u>\$ 23,269,763</u>	<u>\$ 25,561,327</u>
Maintenance and Operations Expenditures	\$ 6,499,862	\$ 6,899,451	\$ 8,113,171	\$ 8,012,962
Capital Expenditures	1,940	543,369	370,513	2,718,140
Contingency	57,305	250,000	250,000	250,000
Debt Service on OWRB Series 2012	-	-	-	-
Debt Service on OWRB Series 2013	390,000	-	-	-
Debt Service on OWRB SRF CW Loan	758,589	1,115,000	1,211,249	1,250,157
Interest Expense on Debt	252,872	300,000	252,678	560,036
Operating Transfer To General Fund	2,599,875	2,150,000	2,150,000	2,600,000
As a percent of Total Revenue	25.56%	20.48%	15.71%	18.07%
Transfer to CIP 17.5% Sales Tax	-	-	-	-
Transfer to CIP	-	-	-	-
Transfer to GF 82.5% Sales Tax	-	-	-	-
Total Expenditures and Transfers	<u>\$ 10,307,571</u>	<u>\$ 10,957,820</u>	<u>\$ 12,094,933</u>	<u>\$ 15,391,295</u>
FB Carryover to Next Fiscal Year*	<u>\$ 9,587,272</u>	<u>\$ 9,128,906</u>	<u>\$ 11,174,830</u>	<u>\$ 10,170,031</u>
Transfer to Stabilization Fund	<u>\$ (2,614,107)</u>	<u>\$ (2,614,107)</u>	<u>\$ (2,614,107)</u>	<u>\$ (2,892,037)</u>
Transfer to Capital Reserve Fund	<u>\$ (268,818)</u>	<u>\$ (268,818)</u>	<u>\$ (268,818)</u>	<u>\$ (2,065,674)</u>
Reserve for Debt Service	<u>\$ (1,742,526)</u>	<u>\$ (1,742,526)</u>	<u>\$ (1,742,526)</u>	<u>\$ (1,742,526)</u>
Water System Improvements	<u>\$ (3,615,386)</u>	<u>\$ (3,615,386)</u>	<u>\$ (3,604,951)</u>	<u>\$ (3,604,951)</u>
Unreserved	<u>\$ 1,346,435</u>	<u>\$ 888,069</u>	<u>\$ 2,944,428</u>	<u>\$ (135,157)</u>

**PUBLIC WORKS FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue and Transfers In				
Water Service	\$ 3,845,422	\$ 4,005,487	\$ 4,967,884	5,603,550
Sewer Service	2,953,344	3,025,164	3,565,575	4,085,728
Penalties	209,261	215,328	221,660	221,660
Water Taps	2,270	2,513	109,613	25,000
Sewer Taps	400	257	6,480	1,000
Misc. Income	1,103	-	-	-
Lease Income	23,764	149,091	192,274	175,000
Sanitation Service	2,971,080	2,985,427	2,993,614	2,993,614
Workers Comp Ins. Refunds	-	-	-	-
Grant Revenue	-	-	1,328,446	984,000
Interest Income	165,825	116,187	296,945	296,945
Total Revenue	\$ 10,172,469	\$ 10,499,454	\$ 13,682,491	\$ 14,386,497
Transfers In				
Transfer In - Pledged Sales Tax	\$ -	\$ -	\$ -	\$ -
Transfer In - PD/WP Debt Service CIP	-	-	-	-
Transfer In - Sanitation Conversion CIP	-	-	-	-
Total Transfers In	\$ -	\$ -	\$ -	\$ -
Total Revenue and Transfers In	\$ 10,172,469	\$ 10,499,454	\$ 13,682,491	\$ 14,386,497
Expenditures and Transfers Out				
Public Works - Admin	\$ 164,379	\$ 201,503	\$ 168,105	\$ 188,833
Finance - Utility Billing	448,764	515,597	474,874	629,408
Public Works - Fleet Maint	74,606	134,164	29,286	113,988
Solid Waste	1,522,349	2,170,156	1,845,053	2,296,435
Water Plant	1,947,229	1,879,500	2,026,597	2,066,485
Water Line	378,760	484,500	507,965	1,969,203
Sewer Line & Treatment	1,661,590	2,057,400	2,033,579	3,466,751
Contingency	57,305	250,000	250,000	250,000
Debt Service Interest Expense	304,125	300,000	252,678	560,036
Debt Service on OWRB SRF CW Loan	-	1,115,000	1,211,249	1,250,157
Debt Service on OWRB Series 2013	-	-	-	-
Debt Service on OWRB Series 2012	-	-	-	-
Total Operating Expenses	\$ 6,559,107	\$ 9,107,820	\$ 8,799,386	\$ 12,791,295
Transfers Out				
Transfer Out- General Fund	\$ 2,599,875	\$ 2,150,000	\$ 2,150,000	\$ 2,600,000
Transfer Out- CIP Fund	50,000	-	-	-
Transfer Out- GF 82.5% Sales Tax	-	-	-	-
Transfer Out- CIP 17.5% Sales Tax	-	-	-	-
Total Transfers Out	\$ 2,649,875	\$ 2,150,000	\$ 2,150,000	\$ 2,600,000
Total Expenditures and Transfers Out	\$ 9,208,982	\$ 11,257,820	\$ 10,949,386	\$ 15,391,295

**PUBLIC WORKS FUND
SUMMARY OF EXPENDITURES BY OBJECT CODE**

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PUBLIC WORKS FUND - SUMMARY OF EXPENDITURES BY OBJECT CODE

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 1,361,628	\$ 1,579,468	\$ 1,362,652	\$ 1,667,278
101 Allowances	20,888	19,125	14,698	14,723
102 FICA & Medicare	103,807	123,816	107,383	134,454
103 Retirement	114,313	147,274	113,014	147,570
104 Insurance - Employee	284,251	386,780	275,172	399,395
105 Membership, Travel & Training	1,592	9,692	6,214	12,500
106 Overtime	52,934	57,445	99,642	84,001
Total 100 Personal Service	\$ 1,939,413	\$ 2,323,600	\$ 1,978,775	\$ 2,459,921
200 Materials & Supplies				
210 Office Supplies	\$ 3,623	\$ 5,600	\$ 4,720	\$ 6,198
211 Janitor Supplies	568	2,050	1,380	3,600
212 Maintenance Supplies	191,437	305,825	182,547	312,401
213 Fuel & Lubricants	86,152	104,500	83,564	92,965
214 Small Tools	2,611	3,000	5,427	4,450
215 Chemicals	593,879	481,500	485,172	490,408
Total 200 Materials & Supplies	\$ 878,270	\$ 902,475	\$ 762,810	\$ 910,022
300 Other Services & Charges				
340 Professional Services	\$ 311,512	\$ 314,035	\$ 212,722	\$ 239,763
341 Utilities	356,727	303,500	344,372	357,500
342 Maintenance Contractual	553,078	590,500	699,974	691,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	54,453	69,341	57,915	73,370
344 Scrap Metal, Storm Damage, Refunds	-	-	-	-
345 Sewer Treatment/OKC Water Ties	1,557,443	1,800,000	2,140,094	2,548,000
346 Well & Legal Exp/Landfill Costs	299,072	313,000	254,609	339,386
347 Big Trash Pickup	83,323	107,000	137,489	107,000
348 Roll Off Costs	56,203	50,000	40,980	100,000
349 Free Landfill Day Costs	3,116	6,000	-	4,000
350 Hazardous Waste Costs	12,602	14,000	10,807	18,000
352 Dues and Fees	42,763	58,000	27,715	45,000
353 Software Licenses and Support	47,762	48,000	48,000	120,000
Total 300 Services & Charges	\$ 3,378,054	\$ 3,673,376	\$ 3,974,677	\$ 4,643,019
Subtotal Maintenance and Operations	\$ 6,195,737	\$ 6,899,451	\$ 6,716,262	\$ 8,012,962

**PUBLIC WORKS FUND
SUMMARY OF EXPENDITURES BY OBJECT CODE**

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PUBLIC WORKS FUND - SUMMARY OF EXPENDITURES BY OBJECT CODE

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
400 Capital Expenditures				
401 Office Equipment	\$ 444	\$ 5,250	\$ 2,513	\$ 7,000
402 Motor Vehicles & Machinery	-	383,000	368,000	502,500
403 Other Equipment	1,496	2,119	-	142,890
404 Projects	-	153,000	-	2,065,750
Total 400 Capital Expenditures	<u>\$ 1,940</u>	<u>\$ 543,369</u>	<u>\$ 370,513</u>	<u>\$ 2,718,140</u>
500 Contingency				
501 Operating Contingency	\$ -	\$ 250,000	\$ 250,000	\$ 250,000
502 Capital Contingency	-	-	-	-
503 Disaster/Emergency Contingency	-	-	-	-
504 Employee Severance Contingency	-	-	-	-
505 Compensated Absence Contingency	-	-	-	-
506 Litigation Contingency	-	-	-	-
507 Emergency Line repair contingency	-	-	-	-
Total 500 Contingency	<u>\$ -</u>	<u>\$ 250,000</u>	<u>\$ 250,000</u>	<u>\$ 250,000</u>
600 Debt Service				
601 Interest Expense	\$ 246,260	\$ 250,000	\$ 185,660	\$ 493,018
Retirement of Debt	0	1,115,000	1,211,249	1,250,157
602 Fiscal Agent Fees	57,865	50,000	-	67,018
Total 600 Debt Service	<u>\$ 304,125</u>	<u>\$ 1,415,000</u>	<u>\$ 1,396,909</u>	<u>\$ 1,810,193</u>
800 Transfers In				
810 Transfer In - Pledged Sales Tax	\$ -	\$ -	\$ -	\$ -
832 Transfer In - PD/WP Debt Service CIP	-	-	-	-
831 Transfer In - Sanitation Conversion CIP	-	-	-	-
Total 800 Transfers In	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
900 Transfers Out				
900 Transfer Out- General Fund	\$ 2,515,470	\$ 2,150,000	\$ 2,150,000	\$ 2,600,000
905 Transfer Out- CIP Fund	-	-	-	-
910 Transfer Out- GF 82.5% Sales Tax	-	-	-	-
931 Transfer Out- CIP 17.5% Sales Tax	-	-	-	-
Total 900 Transfers Out	<u>\$ 2,515,470</u>	<u>\$ 2,150,000</u>	<u>\$ 2,150,000</u>	<u>\$ 2,600,000</u>
Subtotal Capital, Contingency, Debt, and Transfers	<u>\$ 2,821,535</u>	<u>\$ 4,358,369</u>	<u>\$ 4,167,422</u>	<u>\$ 7,378,333</u>
Total Expenditures	<u>\$ 9,017,272</u>	<u>\$ 11,257,820</u>	<u>\$ 10,883,684</u>	<u>\$ 15,391,295</u>

8.1 Public Works - Administration - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 98,613	\$ 99,171	\$ 100,740	\$ 104,770
101 Allowances	815	780	823	823
102 FICA & Medicare	7,280	7,543	7,752	8,150
103 Retirement	8,478	8,475	9,048	9,050
104 Insurance - Employee	14,866	20,385	16,118	17,000
105 Membership, Travel & Training	142	750	-	-
106 Overtime	1,385	1,054	6,290	6,290
Total 100 Personal Service	\$ 131,579	\$ 138,158	\$ 140,771	\$ 146,083
200 Materials & Supplies				
210 Office Supplies	\$ 760	\$ 750	\$ 98	\$ 98
211 Janitor Supplies	-	200	-	-
212 Maintenance Supplies	235	1,000	439	439
213 Fuel & Lubricants	-	-	-	-
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	\$ 995	\$ 1,950	\$ 537	\$ 537
300 Other Services & Charges				
340 Professional Services	\$ 682	\$ 535	\$ 586	\$ 586
341 Utilities	11,583	18,000	7,054	21,000
342 Maintenance Contractual	1,171	1,000	-	1,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	1,787	2,241	1,771	2,241
344 Scrap Metal	-	-	-	-
346 Well & Legal Expenses	16,138	13,000	17,386	17,386
Total 300 Services & Charges	\$ 31,361	\$ 34,776	\$ 26,797	\$ 42,213
Subtotal Maintenance & Operations	\$ 163,935	\$ 174,884	\$ 168,105	\$ 188,833
400 Capital Expenditures				
401 Office Equipment	\$ 444.0	\$ 1,000	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	619	-	-
404 Projects	-	25,000	-	-
Total 400 Capital Expenditures	\$ 444	\$ 26,619	\$ -	\$ -
500 Contingency				
501 Operating Contingency	-	\$ -	\$ -	\$ -
502 Capital Contingency	-	-	-	-
Total 500 Contingency	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 164,379	\$ 201,503	\$ 168,105	\$ 188,833

8.1 Public Works - Administration - Public Works Fund

2.0 Finance - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 217,617	\$ 237,500	\$ 231,022	\$ 270,000
101 Allowances	3,081	3,000	3,046	3,100
102 FICA & Medicare	15,873	18,170	16,027	20,655
103 Retirement	18,326	19,927	19,008	22,653
104 Insurance - Employee	28,895	40,000	51,852	56,000
105 Membership, Travel & Training	46	1,000	-	500
106 Overtime	-	500	-	-
Total 100 Personal Service	\$ 283,838	\$ 320,097	\$ 320,955	\$ 372,908
200 Materials & Supplies				
210 Office Supplies	\$ 1,725	\$ 2,500	\$ 1,226	\$ 2,000
211 Janitor Supplies	-	-	-	-
212 Maintenance Supplies	-	-	-	-
213 Fuel & Lubricants	-	-	-	-
214 Small Tools	-	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	\$ 1,725	\$ 2,500	\$ 1,226	\$ 2,000
300 Other Services & Charges				
340 Professional Services	\$ 63,707	\$ 73,000	\$ 74,285	\$ 75,500
341 Utilities	-	-	-	-
342 Maintenance Contractual	8,969	10,000	180	10,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	-	-	-	-
344 Refunds	-	-	-	-
352 Dues and Fees	42,763	58,000	27,715	45,000
353 Software Licenses and Support	47,762	48,000	48,000	120,000
Total 300 Services & Charges	\$ 163,201	\$ 189,000	\$ 150,180	\$ 250,500
Subtotal Maintenance & Operations	\$ 448,764	\$ 511,597	\$ 472,361	\$ 625,408
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ 4,000	\$ 2,513	\$ 4,000
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	\$ -	\$ 4,000	\$ 2,513	\$ 4,000
Total Expenditures	\$ 448,764	\$ 515,597	\$ 474,874	\$ 629,408

2.0 Finance - Public Works Fund

8.4 Public Works - Fleet Maintenance - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 43,841	\$ 68,107	\$ 14,974	\$ 70,831
101 Allowances	263	300	-	300
102 FICA & Medicare	3,258	5,003	1,145	5,461
103 Retirement	3,391	5,784	1,162	5,989
104 Insurance - Employee	6,058	11,145	840	11,145
105 Membership, Travel & Training	-	-	-	-
106 Overtime	-	250	-	250
Total 100 Personal Service	\$ 56,811	\$ 90,589	\$ 18,121	\$ 93,976
200 Materials & Supplies				
210 Office Supplies	\$ -	\$ 250	\$ -	\$ 250
211 Operating Supplies	33	250	-	-
212 Maintenance Supplies	5,049	5,825	797	2,462
213 Fuel & Lubricants	5,341	8,000	5,508	7,000
214 Small Tools	2,141	1,500	1,709	1,500
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	\$ 12,564	\$ 15,825	\$ 8,014	\$ 11,212
300 Other Services & Charges				
340 Professional Services	\$ 174.0	\$ 500.0	\$ 86.0	\$ 300.0
341 Utilities	-	-	-	-
342 Maintenance Contractual	3,561	5,500	3,065	5,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	-	-	-	-
344 Refunds	-	-	-	-
Total 300 Services & Charges	\$ 3,735	\$ 6,000	\$ 3,151	\$ 5,300
Subtotal Maintenance & Operations	\$ 73,110	\$ 112,414	\$ 29,286	\$ 110,488
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ 250	\$ -	\$ -
402 Motor Vehicles & Machinery	-	15,000	-	-
403 Other Equipment	1,496	1,500	-	2,500
404 Projects	-	5,000	-	1,000
Total 400 Capital Expenditures	\$ 1,496	\$ 21,750	\$ -	\$ 3,500
Total Expenditures	\$ 74,606	\$ 134,164	\$ 29,286	\$ 113,988

8.4 Public Works - Fleet Maintenance - Public Works Fund

8.3 Public Works - Solid Waste - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Total Salaries	\$ 430,628	\$ 509,690	\$ 498,322	\$ 530,078
101 Allowances	9,718	10,945	6,883	7,000
102 FICA & Medicare	33,415	39,000	38,657	42,805
103 Retirement	36,018	53,588	44,194	46,945
104 Insurance - Employee	119,210	152,250	119,141	152,250
105 Membership, Travel & Training	234	442	-	-
106 Overtime	19,456	25,641	23,722	22,461
Total 100 Personal Service	<u>\$ 648,679</u>	<u>\$ 791,556</u>	<u>\$ 730,919</u>	<u>\$ 801,539</u>
200 Materials & Supplies				
210 Office Supplies	\$ 184	\$ 200	\$ 233	\$ 200
211 Janitor Supplies		300		300
212 Maintenance Supplies	41,947	62,000	28,476	57,000
213 Fuel & Lubricants	68,838	78,000	66,790	73,000
214 Small Tools	470	-	-	-
215 Chemicals	-	-	-	-
Total 200 Materials & Supplies	<u>\$ 111,439</u>	<u>\$ 140,500</u>	<u>\$ 95,499</u>	<u>\$ 130,500</u>
300 Other Services & Charges				
340 Professional Services	\$ 160,180	\$ 162,000	\$ 102,377	\$ 102,377
Financial Fees				
341 Utilities		-	-	-
342 Maintenance Contractual	160,624	204,000	113,630	200,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	3,249	4,100	8,129	8,129
345 Storm Debris Clean Up	-	-	-	-
346 Landfill Costs	282,934	300,000	237,223	322,000
347 Big Trash Pickup Costs	83,323	107,000	137,489	107,000
348 Roll Off Costs	56,203	50,000	40,980	100,000
349 Free Landfill Days	3,116	6,000	-	4,000
350 Hazardous Waste Fees	12,602	14,000	10,807	18,000
Total 300 Services & Charges	<u>\$ 762,231</u>	<u>\$ 847,100</u>	<u>\$ 650,635</u>	<u>\$ 861,506</u>
Subtotal Maintenance & Operations	<u>\$ 1,522,349</u>	<u>\$ 1,779,156</u>	<u>\$ 1,477,053</u>	<u>\$ 1,793,545</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	368,000	368,000	412,500
403 Other Equipment	-	-	-	60,390
404 Projects	-	23,000	-	30,000
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ 391,000</u>	<u>\$ 368,000</u>	<u>\$ 502,890</u>
Total Expenditures	<u>\$ 1,522,349</u>	<u>\$ 2,170,156</u>	<u>\$ 1,845,053</u>	<u>\$ 2,296,435</u>

8.3 Public Works - Solid Waste - Public Works Fund

12.0 Utility - Water Plant - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 469,839	\$ 460,000	\$ 360,641	\$ 478,400
101 Allowances	6,993	3,500	2,381	3,000
102 FICA & Medicare	36,246	38,000	29,976	38,740
103 Retirement	39,891	42,000	24,427	42,487
104 Insurance - Employee	79,646	95,000	47,784	95,000
105 Membership, Travel & Training	717	4,000	2,868	8,000
106 Overtime	24,161	25,000	40,166	25,000
Total 100 Personal Service	<u>\$ 657,493</u>	<u>\$ 667,500</u>	<u>\$ 508,243</u>	<u>\$ 690,627</u>
200 Materials & Supplies				
210 Office Supplies	\$ 728	\$ 1,500	\$ 2,839	\$ 2,000
211 Janitor Supplies	535	1,000	1,224	1,000
212 Maintenance Supplies	38,331	77,000	39,101	53,500
213 Fuel & Lubricants	4,835	7,000	4,361	4,000
214 Small Tools	-	500	970	700
215 Chemicals	593,879	480,000	484,452	489,908
Total 200 Materials & Supplies	<u>\$ 638,308</u>	<u>\$ 567,000</u>	<u>\$ 532,947</u>	<u>\$ 551,108</u>
300 Other Services & Charges				
340 Professional Services	\$ 21,748	\$ 30,000	\$ 27,626	\$ 30,000
341 Utilities	281,542	240,000	288,701	270,000
342 Maintenance Contractual	157,217	175,000	128,986	175,000
342.1 Vehicle Repair	-	-	-	-
345 OKC Water Tie and Purch	-	-	-	-
343 Insurance - Property	-	-	-	-
345 OKC Water Tie and Purch	190,921	200,000	540,094	295,000
Total 300 Services & Charges	<u>\$ 651,428</u>	<u>\$ 645,000</u>	<u>\$ 985,407</u>	<u>\$ 770,000</u>
Subtotal Maintenance & Operations	<u>\$ 1,947,229</u>	<u>\$ 1,879,500</u>	<u>\$ 2,026,597</u>	<u>\$ 2,011,735</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	15,000
403 Other Equipment	-	-	-	20,000
404 Projects	-	-	-	19,750
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 54,750</u>
Total Expenditures	<u>\$ 1,947,229</u>	<u>\$ 1,879,500</u>	<u>\$ 2,026,597</u>	<u>\$ 2,066,485</u>

12.0 Utility - Water Plant - Public Works Fund

12.1 Utility - Water Line - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 87,583	\$ 110,000	\$ 115,877	\$ 114,400
101 Allowances	18	300	420	500
102 FICA & Medicare	6,598	8,500	10,243	10,320
103 Retirement	6,934	9,000	11,330	11,318
104 Insurance - Employee	27,967	38,000	26,088	38,000
105 Membership, Travel & Training	148	2,000	2,244	2,000
106 Overtime	6,288	-	22,058	20,000
Total 100 Personal Service	<u>\$ 135,536</u>	<u>\$ 167,800</u>	<u>\$ 188,260</u>	<u>\$ 196,538</u>
200 Materials & Supplies				
210 Office Supplies	\$ 226	\$ 400	\$ 324	\$ 750
211 Janitor Supplies	-	300	156	300
212 Maintenance Supplies	42,809	65,000	107,976	149,000
213 Fuel & Lubricants	5,751	6,500	5,650	5,865
214 Small Tools	-	500	1,572	1,250
215 Chemicals	-	1,000	-	-
Total 200 Materials & Supplies	<u>\$ 48,786</u>	<u>\$ 73,700</u>	<u>\$ 115,678</u>	<u>\$ 157,165</u>
300 Other Services & Charges				
340 Professional Services	\$ 47,739	\$ 30,000	\$ 7,462	\$ 20,500
341 Utilities	2,601	3,000	-	4,000
342 Maintenance Contractual	118,265	75,000	170,947	150,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	25,833	35,000	25,618	35,000
344 Refunds	-	-	-	-
Total 300 Services & Charges	<u>\$ 194,438</u>	<u>\$ 143,000</u>	<u>\$ 204,027</u>	<u>\$ 209,500</u>
Subtotal Maintenance & Operations	<u>\$ 378,760</u>	<u>\$ 384,500</u>	<u>\$ 507,965</u>	<u>\$ 563,203</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ 1,000
402 Motor Vehicles & Machinery	-	-	-	45,000
403 Other Equipment	-	-	-	60,000
404 Projects	-	100,000	-	1,300,000
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ 100,000</u>	<u>\$ -</u>	<u>\$ 1,406,000</u>
Total Expenditures	<u><u>\$ 378,760</u></u>	<u><u>\$ 484,500</u></u>	<u><u>\$ 507,965</u></u>	<u><u>\$ 1,969,203</u></u>

12.1 Utility - Water Line - Public Works Fund

12.2 Utility - Sewer - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
100 Personal Service				
100 Salaries	\$ 13,507	\$ 95,000	\$ 41,076	\$ 98,800
101 Allowances	-	300	-	-
102 FICA & Medicare	1,137	7,600	3,566	8,323
103 Retirement	1,275	8,500	3,871	9,128
104 Insurance - Employee	7,609	30,000	13,349	30,000
105 Membership, Travel & Training	305	1,500	1,102	2,000
106 Overtime	1,644	5,000	7,406	10,000
Total 100 Personal Service	<u>\$ 25,477</u>	<u>\$ 147,900</u>	<u>\$ 70,370</u>	<u>\$ 158,251</u>
200 Materials & Supplies				
210 Office Supplies	\$ -	\$ -	\$ -	\$ 900.00
211 Janitor Supplies	-	-	-	2,000
212 Maintenance Supplies	63,066	95,000	5,758	50,000
213 Fuel & Lubricants	1,387	5,000	1,255	3,100
214 Small Tools	-	500	1,176	1,000
215 Chemicals	-	500	720	500
Total 200 Materials & Supplies	<u>\$ 64,453.00</u>	<u>\$ 101,000.00</u>	<u>\$ 8,909.00</u>	<u>\$ 57,500.00</u>
300 Other Services & Charges				
340 Professional Services	\$ 17,282	\$ 18,000	\$ 300	\$ 10,500
341 Utilities	61,001	42,500	48,437	62,500
342 Maintenance Contractual	103,271	120,000	283,166	150,000
342.1 Vehicle Repair	-	-	-	-
343 Insurance - Property	23,584	28,000	22,397	28,000
344 Refunds	-	-	-	-
345 Sewer Treatment Expense	1,366,522	1,600,000	1,600,000	2,253,000
Total 300 Services & Charges	<u>\$ 1,571,660</u>	<u>\$ 1,808,500</u>	<u>\$ 1,954,300</u>	<u>\$ 2,504,000</u>
Subtotal Maintenance & Operations	<u>\$ 1,661,590</u>	<u>\$ 2,057,400</u>	<u>\$ 2,033,579</u>	<u>\$ 2,719,751</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ 2,000.00
402 Motor Vehicles & Machinery	-	-	-	30,000
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	715,000
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 747,000</u>
Total Expenditures	<u>\$ 1,661,590</u>	<u>\$ 2,057,400</u>	<u>\$ 2,033,579</u>	<u>\$ 3,466,751</u>

12.2 Utility - Sewer Line - Public Works Fund

97.0 Contingency, 98.0 Debt Svc - Public Works Fund

Departmental Summary

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
97.0 Dept - 500 Contingency				
501 Operating Contingency	\$ -	\$ 250,000	\$ 250,000	\$ 250,000
502 Capital Contingency	-	-	-	-
503 Disaster/Emergency Contingency	-	-	-	-
504 Employee Severance Contingency	-	-	-	-
505 Compensated Absence Contingency	-	-	-	-
506 Litigation Contingency	-	-	-	-
507 Emergency Line repair contingency	-	-	-	-
508 Capital Assets Contingency	-	-	-	-
509 Restricted OPEB Contingency	-	-	-	-
510 Restricted Debt Contingency	-	-	-	-
511 Restricted Capital Contingency	-	-	-	-
512 Restricted Debt Service Contingency	-	-	-	-
513 Restricted Emergency Contingency	-	-	-	-
Total 97.0 Dept - 500 Contingency	<u>\$ 57,305</u>	<u>\$ 250,000</u>	<u>\$ 250,000</u>	<u>\$ 250,000</u>
98.0 Dept - 600 Debt Service				
601 Interest Expense	\$ 246,260	\$ 250,000	\$ 185,660	\$ 493,018
Retirement of Debt	0	1,115,000	1,211,249	1,250,157
602 Fiscal Agent Fees	<u>57,865</u>	<u>50,000</u>	<u>67,018</u>	<u>67,018</u>
Total 98.0 Dept - 600 Debt Service	<u>\$ 304,125</u>	<u>\$ 1,415,000</u>	<u>\$ 1,463,927</u>	<u>\$ 1,810,193</u>
Total 97.0 & 98.0 Expenditures	<u>\$ 361,430</u>	<u>\$ 1,665,000</u>	<u>\$ 1,713,927</u>	<u>\$ 2,060,193</u>

97.0 Contingency, 98.0 Debt Svc - Public Works Fund

99.0 Transfers - Public Works Fund

**99.0 Transfers - Public Works Fund
Departmental Summary**

Expenditure Classification	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
99.0 Dept - 800 Transfers In				
810 Transfer In - Pledged Sales Tax	\$ -	\$ -	\$ -	\$ -
832 Transfer In - PD/WP Debt Service CIP	-	-	-	-
831 Transfer In - Sanitation Conversion CIP	-	-	-	-
Total 800 Transfers In	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
99.0 Dept - 900 Transfers Out				
900 Transfer Out - General Fund	\$ 2,515,470	\$ 2,150,000	\$ 2,150,000	\$ 2,600,000
905 Transfer Out - CIP Fund	-	-	-	-
910 Transfer Out - GF 82.5% Sales Tax	-	-	-	-
931 Transfer Out - CIP 17.5% Sales Tax	-	-	-	-
Total 900 Transfers Out	<u>\$ 2,515,470</u>	<u>\$ 2,150,000</u>	<u>\$ 2,150,000</u>	<u>\$ 2,600,000</u>
Total Transfers	<u><u>\$ (2,515,470)</u></u>	<u><u>\$ (2,150,000)</u></u>	<u><u>\$ (2,150,000)</u></u>	<u><u>\$ (2,600,000)</u></u>

**CAPITAL IMPROVEMENT FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Funding Sources				
Interest Income	\$ 2,143	\$ 1,438	\$ 3,358	\$ 3,358
CIP 17.5% Sales Tax	1,033,470	1,123,120	1,077,784	1,077,784
Transfer Out - PD/WP Debt Service	-	-	-	-
Transfer In- PWA	50,000	-	-	-
Trnsfer In - GF	39,000	648,613	648,613	-
Grant Revenue	<u>838,382</u>	<u>-</u>	<u>115,714</u>	<u>2,009,161</u>
Total Funding Sources	<u>\$ 1,962,995</u>	<u>\$ 1,773,171</u>	<u>\$ 1,845,469</u>	<u>\$ 3,090,303</u>
Expenditures				
CDBG Grant Match	\$ 42,769	\$ -	\$ 350,916	\$ 400,000
ODOT Sidewalk Project	396,779	-	-	-
CRRSAA Rockwell Ave Project	7,853	-	86,500	609,161
City Hall Light Replacement	10,550	-	-	-
Replace VFD in Pump Room	21,758	-	-	-
Mueller Water Line Replacement	53,592	0	-	-
City Hall Improve & ADA	94,973	-	-	-
Fire Department Overhead Doors	61,399	-	-	-
New Water Dept Truck	38,387	-	-	-
PD Flock Cameras	-	-	-	30,000
City Hall HVAC Replacements	-	60,000	25,000	25,000
PW 1/2 Ton Truck / Tommy Lift	-	36,000	36,000	-
31st Street Lift Station	-	231,000	-	-
Sewer Pop-Off Valve Program	-	-	-	50,000
Ripper Pool Rehab	4,185	85,000	-	101,500
Fire Truck Lease Payment	84,084	85,000	85,000	85,000
Streets Dump Truck	-	-	-	155,000
Streets Salt/Sand Spreader	-	-	-	50,000
Streets Snow Plow	-	-	-	18,000
Traffic Signage	-	-	-	10,000
Street Dept. Overhead Door	-	-	-	6,000
Streets One ton Truck w/ Dump Bed	-	60,035	-	-
Dispatch Console	-	95,000	91,966	-
PW Mini Trac Loader	-	29,000	31,316	-
Public Works Backhoe	105,749	-	-	-
Replacement Dumpsters	27,390	54,900	54,900	-
PD HVAC	-	20,000	-	20,000
Fleet Pickup	-	-	-	35,000
TAP Sidewalk Project	-	-	-	1,500,000
Parks Mid-Deck ZTR	-	-	-	19,000
PArk Dept. Overhead Door	-	-	-	18,000
Comm. Dev. Truck	-	40,000	39,602	-
PW 55HP Tractor/Mower	46,900	-	-	-
Streets ZTR Mower	-	20,000	18,654	-
PW Flail Mower	-	9,000	-	-
PW ZTR Mower	17,308	-	-	-
Total Estimated Project Costs	\$ 1,022,188	\$ 824,935	\$ 1,051,454	\$ 3,131,661
Beginning Fund Balance	<u>664,980</u>	<u>1,607,521</u>	<u>1,607,521</u>	<u>2,403,270</u>
Ending Fund Balance	<u>\$ 1,607,521</u>	<u>\$ 2,557,491</u>	<u>\$ 2,403,270</u>	<u>\$ 2,361,912</u>
Reserved For Streets, Sidewalks and Drainage		<u>(670,000)</u>	<u>(670,000)</u>	<u>(900,780)</u>
Unreserved Fund Balance	\$ 1,607,521	1,887,491	1,733,270	1,461,132

CAPITAL IMPROVEMENT FUND

E911 FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES

E911 FUND

	<u>Actual FY23</u>	<u>Approved Budget FY24B</u>	<u>Year-End Estimate FY24E</u>	<u>Budget FY25</u>
Revenue				
E911 Telephone Fees	\$ 47,911	\$ 46,000	\$ 48,758	\$ 48,000
Total Revenue	<u>\$ 47,911</u>	<u>\$ 46,000</u>	<u>\$ 48,758</u>	<u>\$ 48,000</u>
Expenditures				
E911 Compliant Expenditures	\$ -	\$ -	\$ -	\$ 10,000
Transfe To General Fund	\$ -	\$ 10,000	\$ 10,000	10000
Total Expenditures	<u>\$ -</u>	<u>\$ 10,000</u>	<u>\$ 10,000</u>	<u>\$ 20,000</u>
Beginning Fund Balance	<u>68,773</u>	<u>116,684</u>	<u>116,684</u>	<u>155,442</u>
Ending Fund Balance	<u>\$ 116,684</u>	<u>\$ 152,684</u>	<u>\$ 155,442</u>	<u>\$ 183,442</u>

PUBLIC SAFETY FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES

PUBLIC SAFETY FUND

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue and Grants				
Traffic Safety Grants	\$ 45,253	\$ 40,000	\$ 39,770	\$ 40,000
CDS Revolving Fund	-	2,000	2,233	2,000
AG Equitable Share	-	0	-	-
Other Police Grants	68,750		10,694	
ICE Equitable Share	-	-	-	-
Police Donations	14	50	-	50
Fire Donations	-	-	-	-
Bullet Proof Vest Grant	1,619	1,000	-	1,000
BMC Dedicated Tech Fee	47,680	46,500	36,582	46,500
Reimbursement -Towing	3,983	5,000	-	5,000
BPD Dedicated Tech Fee	45,147	44,000	35,393	44,000
Fire Department Grant	238	-	-	-
Impound Fee	85,878	81,000	89,817	81,000
Police Special Revenue	-	1,000	-	1,000
Animal Shelter Revenue	9,943	10,000	35,590	10,000
A.C. Microchipping and Adoption	14,122	10,000	17,231	10,000
Animal Shelter Donations	533	600	300	600
Total Revenue and Grants	<u>\$ 323,160</u>	<u>\$ 241,150</u>	<u>\$ 267,610</u>	<u>\$ 241,150</u>
Expenditures, Contingency, and Transfers				
Fire Department Grant Expenditures	\$ -	\$ -	\$ -	\$ -
Police Department Grant Expenditures	4,800	7,500	-	7,500
Impound Fee Expenditures	2,441	30,000	-	30,000
Other Expenditures	39,936	4,366	180	-
CDS Revolving Acct Share Exp	-	-	-	-
BPD Dedicated Tech Fee Exp	29,914	30,000	29,333	30,000
BMC Dedicated Tech Fee Exp	5,633	10,500	8,049	7,000
Transfer Out- GF	117,722	168,894	135,000	183,894
Transfer Out- Other Funds	-	-	-	-
Total Expenditures, Contingency, and Transfers	<u>\$ 200,446</u>	<u>\$ 251,260</u>	<u>\$ 172,562</u>	<u>\$ 258,394</u>
Beginning Fund Balance	<u>\$ 359,435</u>	<u>\$ 482,149</u>	<u>\$ 482,149</u>	<u>\$ 577,197</u>
Ending Fund Balance	<u>\$ 482,149</u>	<u>\$ 472,039</u>	<u>\$ 577,197</u>	<u>\$ 559,953</u>

**PARKS AND STREETS CAPITAL IMPROVEMENT FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

PARKS AND STREETS CAPITAL IMPROVEMENT FUND

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Funding Sources				
Interest Income	\$ 2	\$ 2	\$ 1	\$ 2
CE Mendenhall Park Project	-	-	-	-
Street Landscape Projects	-	-	-	-
Centennial Mural Project	-	-	-	-
Eldon Lyon Park easement	-	-	-	-
W Taylor Eldon Lyon Park Memorial	-	-	-	-
Transfers In	-	-	-	-
Total Funding Sources	\$ 2	\$ 2	\$ 1	\$ 2
CE Mendenhall Park Project	\$ -	\$ -	\$ -	\$ -
Street Landscape Projects	-	-	-	-
Centennial Mural Project	-	-	-	-
Park Improvements	-	-	-	-
W Taylor Eldon Lyon Park Memorial	-	-	-	-
	-	-	-	-
	-	-	-	-
Total Estimated Project Costs	\$ -	\$ -	\$ -	\$ -
Beginning Fund Balance	\$ 48,309	\$ 48,311	\$ 48,311	\$ 48,312
Ending Fund Balance	\$ 48,311	\$ 48,313	\$ 48,312	\$ 48,314

**DEBT SERVICE FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

DEBT SERVICE FUND

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue and Transfers				
Current Year Taxes	\$ 680,000	\$ 499,658	\$ 2,000,000	\$ 2,100,000
Prior Year Taxes	25,000	25,000	8,567	9,000
Interest Revenue	-	-	-	-
Transfer From Other funds	-	-	-	-
Debt Proceeds	-	-	-	-
Total Revenue and Transfers	<u>\$ 705,000</u>	<u>\$ 524,658</u>	<u>\$ 2,008,567</u>	<u>\$ 2,109,000</u>
Expenditures				
Current Year Retirements	\$ 430,000	\$ 430,000	\$ 430,000	\$ 980,000
Interest Payments on Bonds	133,575	124,975	1,182,728	831,088
Amt to Repay debt	-	-	-	-
Fiscal Agent Fees	300	300	-	-
Total Expenditures	<u>\$ 563,875</u>	<u>\$ 555,275</u>	<u>\$ 1,612,728</u>	<u>\$ 1,811,088</u>
Excess (Deficiency) of Revenues over Expenditures	<u>\$ 141,125</u>	<u>\$ (30,617)</u>	<u>\$ 395,839</u>	<u>\$ 297,912</u>
Beginning Fund Balance	\$ 541,742	\$ 682,867	\$ 652,250	\$ 1,048,089
Ending Fund Balance	682,867	\$ 652,250	\$ 1,048,089	\$ 1,346,001
Less Reserve for Bond Retirement	<u>(130,322)</u>	<u>(130,322)</u>	<u>(130,322)</u>	<u>(130,322)</u>
Fund Balance Designated For Debt Service	<u>\$ 552,545</u>	<u>\$ 521,928</u>	<u>\$ 917,767</u>	<u>\$ 1,215,679</u>

**BETHANY HOSPITAL TRUST
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

BETHANY HOSPITAL TRUST

	<u>Actual FY23</u>	<u>Approved Budget FY24B</u>	<u>Year-End Estimate FY24E</u>	<u>Budget FY25</u>
Revenue				
Lease Payments	\$ 133,011	\$ 180,000	\$ 168,497	\$ 180,000
Other Income	-	-	-	-
Interest Income	125,622	125,000	132,079	125,000
Capital Contributions	-	-	-	-
Total Revenues	<u>\$ 258,633</u>	<u>\$ 305,000</u>	<u>\$ 300,576</u>	<u>\$ 305,000</u>
Expenditures And Transfers Out				
Other Expenditures	\$ -	\$ 10,500	\$ -	\$ -
Capital Improvements	-	-	-	-
Depreciation Expense	260,000	255,000	255,000	255,000
Transfer Out- Other Funds	-	-	-	-
Transfer Out- BDA	-	-	-	-
Total Expenditures and Transfers Out	<u>\$ 260,000</u>	<u>\$ 265,500</u>	<u>\$ 255,000</u>	<u>\$ 255,000</u>
Contingency				
Restricted OPEB Contingency	\$ -	\$ -	\$ -	\$ -
Restricted Long Term Asset Contingency	-	-	-	-
Restricted Fixed Asset Contingency	-	-	-	-
Restricted Capital Asset Contingency	-	-	-	-
Litigation Contingency	-	-	-	-
Disaster/Emergency Contingency	-	-	-	-
Total Contingency	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Beginning Fund Balance	<u>\$ 7,136,982</u>	<u>\$ 7,135,615</u>	<u>\$ 7,135,615</u>	<u>\$ 7,181,191</u>
Ending Fund Balance	<u><u>\$ 7,135,615</u></u>	<u><u>\$ 7,175,115</u></u>	<u><u>\$ 7,181,191</u></u>	<u><u>\$ 7,231,191</u></u>

**BETHANY DEVELOPMENT AUTHORITY
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

BETHANY DEVELOPMENT AUTHORITY

	<u>Actual FY23</u>	<u>Approved Budget FY24B</u>	<u>Year-End Estimate FY24E</u>	<u>Budget FY25</u>
Revenue and Transfers In				
Interest Income	\$ -	\$ -	\$ -	\$ -
TIF District Income	60,783	-	-	61,000
Transfer In- BHT	-	-	-	-
Transfer In- GF	20,000	20,000	20,000	20,000
Transfers Out- BEDA	-	-	-	-
	<hr/>	<hr/>	<hr/>	<hr/>
Total Revenue and Transfers In	\$ 80,783	\$ 20,000	\$ 20,000	\$ 81,000
Expenditures and Transfers Out				
100 Personal Service				
300 Other Services & Charges				
340 Tax Incent Finance Dist Services	\$ -	\$ -	\$ -	\$ -
342 Maintenance Contractual	-	-	-	-
347 Economic Development Grants	-	-	-	-
348 Advertising and Promotion	-	-	-	-
351 Bethany Boom Expense	20,000	20,000	40,000	40,000
352 Other Events	-	-	-	-
	<hr/>	<hr/>	<hr/>	<hr/>
Total 300 Services & Charges	\$ 20,000	\$ 20,000	\$ 40,000	\$ 40,000
Subtotal Maintenance & Operations	\$ 20,000	\$ 20,000	\$ 40,000	\$ 40,000
Beginning Fund Balance	\$ 90,981	\$ 151,764	\$ 151,764	\$ 131,764
Ending Fund Balance	\$ 151,764	\$ 151,764	\$ 131,764	\$ 172,764

**BETHANY ECONOMIC DEVELOPMENT AUTHORITY (BEDA)
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

BETHANY ECONOMIC DEVELOPMENT AUTHORITY (BEDA)

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue and Transfers In				
Interest Income	\$ 3,857	\$ 3,000	\$ 5,000	\$ 3,000
Transfer In- GF Mercer Property	-	-	-	-
Transfer In- GF Hotel Tax	75,000	75,000	75,000	75,000
Transfer In- BHT	-	-	-	-
Total Revenue and Transfers In	\$ 78,857	\$ 78,000	\$ 80,000	\$ 78,000
Expenditures and Transfers Out				
100 Personal Service				
100 Salaries	\$ -	\$ 7,800	\$ -	\$ 7,800
101 Allowances	-	-	-	-
102 FICA & Medicare	-	600	-	600
103 Retirement	-	-	-	-
104 Insurance - Employee	-	-	-	-
105 Membership, Travel & Training	-	-	-	-
Total 100 Personal Service	\$ -	\$ 8,400	\$ -	\$ 8,400
200 Materials & Supplies				
210 Office Supplies	\$ -	\$ 500	\$ -	\$ 500
212 Maintenance Supplies	-	-	-	-
Total 200 Materials & Supplies	\$ -	\$ 500	\$ -	\$ 500
300 Other Services & Charges				
340 Professional Services (BANTA)	\$ 20,519	\$ 42,000	\$ 33,600	\$ 42,000
342 Maintenance Contractual	-	-	-	-
347 Economic Development Agreements	-	25,800	20,000	25,800
348 Advertising and Promotion	18,600	5,000	-	5,000
351 Bethany Freedom Festival	-	-	-	-
352 Other Events	-	-	-	-
Total 300 Services & Charges	\$ 39,119	\$ 72,800	\$ 53,600	\$ 72,800
Subtotal Maintenance & Operations	\$ 39,119	\$ 81,700	\$ 53,600	\$ 81,700

**BETHANY ECONOMIC DEVELOPMENT AUTHORITY (BEDA)
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

BETHANY ECONOMIC DEVELOPMENT AUTHORITY (BEDA)

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	<u>6,500</u>	-	-	-
Total 400 Capital Expenditures	<u>\$ 6,500</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
500 Contingency				
501 Operating Contingency	\$ -	\$ -	\$ -	\$ -
502 Capital Contingency- Fixed Assets	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total 500 Contingency	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Total Expenditures	<u>\$ 45,619</u>	<u>\$ 81,700</u>	<u>\$ 53,600</u>	<u>\$ 81,700</u>
Beginning Fund Balance	<u>\$ 345,971</u>	<u>\$ 379,209</u>	<u>\$ 379,209</u>	<u>\$ 405,609</u>
Ending Fund Balance	<u><u>\$ 379,209</u></u>	<u><u>\$ 375,509</u></u>	<u><u>\$ 405,609</u></u>	<u><u>\$ 401,909</u></u>

BETHANY JUVENILE JUSTICE FUND

SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Revenue and Transfers In				
Interest Income	\$ -	\$ -	\$ -	\$ -
Juvenile fines and Court Costs	-	-	-	-
Other Income	-	-	-	-
Transfers from Other Funds	-	-	-	-
Total Revenue and Transfers In	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Expenditures and Transfers Out				
100 Personal Service				
100 Salaries	\$ -	\$ -	\$ -	\$ -
101 Allowances	-	-	-	-
102 FICA & Medicare	-	-	-	-
103 Retirement	-	-	-	-
104 Insurance - Employee	-	-	-	-
105 Membership, Travel & Training	-	-	-	-
106 Overtime	-	-	-	-
Total 100 Personal Service	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
200 Materials & Supplies				
210 Office Supplies	\$ -	\$ -	\$ -	\$ -
212 Maintenance Supplies	-	-	-	-
Total 200 Materials & Supplies	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
300 Other Services & Contingency				
340 Professional Services	\$ -	\$ -	\$ -	\$ -
341 Utilities	-	-	-	-
342 Maintenance Contractual	-	-	-	-
503 Restricted Juvenile Justice Contingency	-	-	-	-
300 Other Services & Contingency	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Subtotal Maintenance & Operations	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
400 Capital Expenditures				
401 Office Equipment	\$ -	\$ -	\$ -	\$ -
402 Motor Vehicles & Machinery	-	-	-	-
403 Other Equipment	-	-	-	-
404 Projects	-	-	-	-
Total 400 Capital Expenditures	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
900 Transfers Out				
910 Transfer to General Fund	\$ -	\$ 10,000	\$ 10,000	\$ -
Total 900 Transfers Out	<u>\$ -</u>	<u>\$ 10,000</u>	<u>\$ 10,000</u>	<u>\$ -</u>
Total Expenditures & Transfers Out	<u>\$ -</u>	<u>\$ 10,000</u>	<u>\$ 10,000</u>	<u>\$ -</u>
Beginning Fund Balance	<u>\$ 143,516</u>	<u>\$ 143,516</u>	<u>\$ 143,516</u>	<u>\$ 133,516</u>
Ending Fund Balance	<u><u>\$ 143,516</u></u>	<u><u>\$ 133,516</u></u>	<u><u>\$ 133,516</u></u>	<u><u>\$ 133,516</u></u>

**BETHANY CEMETERY TRUST
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

BETHANY CEMETERY TRUST

	<u>Actual FY23</u>	<u>Approved Budget FY24B</u>	<u>Year-End Estimate FY24E</u>	<u>Budget FY25</u>
Revenue and Transfers In				
Sale of sites	\$ -	\$ 11,700	\$ -	\$ 11,700
Other Income	-	-	-	-
Interest Income	-	-	-	-
Donations and Contributions	-	-	-	-
Total Revenue and Transfers In	<u>\$ -</u>	<u>\$ 11,700</u>	<u>\$ -</u>	<u>\$ 11,700</u>
Expenditures and Transfers Out				
Other Expenditures	\$ -	\$ -	\$ -	\$ -
Cemetery Improvements	2,800	64,000	-	64,000
Transfer to Other Funds	-	-	-	-
Disaster/Emergency Contingency	-	-	-	-
Total Expenditures and Transfers Out	<u>\$ 2,800</u>	<u>\$ 64,000</u>	<u>\$ -</u>	<u>\$ 64,000</u>
Beginning Fund Balance	<u>\$ 78,840</u>	<u>\$ 76,040</u>	<u>\$ 76,040</u>	<u>\$ 76,040</u>
Ending Fund Balance	<u><u>\$ 76,040</u></u>	<u><u>\$ 23,740</u></u>	<u><u>\$ 76,040</u></u>	<u><u>\$ 23,740</u></u>

**2022A GO BOND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

2022A GO BOND FUND

Funding Sources	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Interest Income	\$ 169,543	\$ -	\$ 267,908	\$ 135,000
Transfer In- PWA	-	-	-	-
Trnsfer In - GF	-	-	-	-
Grant Revenue	-	-	-	-
Total Funding Sources	\$ 169,543	\$ -	\$ 267,908	\$ 135,000
Proposition 1 - Street Projects				
Prop. 1A NW 23RD & Rockwell	\$ 7,500	\$ 437,245	\$ 87,624	\$ 349,621
Prop. 1B NW 36TH & Rockwell	7,500	487,156	51,520	435,636
Prop. 1C NW 36TH & Council	-	450,000	60,000	390,000
Prop. 1D Peniel 39TH to 42ND	34,377	485,623	44,623	475,377
Prop. 1E NW 30TH Rockwell to Peniel	48,972	652,850	652,850	-
Prop. 1F Mueller NW 44TH to NW 50TH	32,887	625,534	626,524	9,900
Prop. 1G Divis NW 36TH to NW 39TH	28,491	542,409	542,409	-
Prop. 1H Peniel NW 25TH to NW 30TH	<u>32,510</u>	<u>392,490</u>	<u>46,490</u>	<u>378,510</u>
Total Propostion 1	-	4,073,307	2,112,040	2,039,044
Proposition 2 - Parks				
Prop. 2A Eldon Lyon Park		265,000	56,779	208,971
Prop. 2B Ripper Park		189,000	8,466	180,634
Prop. 2C Henry Garrison Park		127,500	38,530	88,970
Prop. 2D Macrory Park	-	92,400	8,467	83,933
Prop. 2E Ron Clark Park	-	111,750	-	111,750
Prop. 2F Cecil Mendenhall Park	<u>-</u>	<u>74,500</u>	<u>12,750</u>	<u>61,750</u>
Total Proposition 2	-	860,150	124,992	736,008
Proposition 3 - Public Safety				
Prop. 3A Fire Station Renovation	54,028	1,107,972	1,054,583	53,389
Prop. 3B Police Headquarters Roof/Evidence Room	7,814	1,012,186	884,936	127,250
Prop. 3C Animal Shelter Renovation	<u>9,188</u>	<u>200,812</u>	<u>142,104</u>	<u>58,708</u>
Total Proposition 3	-	2,320,970	2,081,623	239,347
Total Estimated Project Costs	\$ 263,267	\$ 7,254,427	\$ 4,318,655	\$ 3,014,399
Beginning Fund Balance	<u>10,500,000</u>	<u>10,408,010</u>	<u>10,408,010</u>	<u>6,358,997</u>
Ending Fund Balance	<u>\$ 10,408,010</u>	<u>\$ 3,155,317</u>	<u>\$ 6,358,997</u>	<u>\$ 3,479,598</u>

**2022B GO BOND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

2022B GO BOND FUND

	Actual FY23	Approved Budget FY24B	Year-End Estimate FY24E	Budget FY25
Funding Sources				
Interest Income	\$ 72,696	\$ -	\$ 130,000	\$ 65,000
Transfer In- PWA	-	-	-	-
Trnsfer In - GF	-	-	-	-
Grant Revenue	-	-	-	-
Total Funding Sources	<u>\$ 72,696</u>	<u>\$ -</u>	<u>\$ 130,000</u>	<u>\$ 65,000</u>
Prop. 4 Improving Storm Drainage Facilitites	\$ -	\$ -	\$ -	\$ 4,500,000
Total Estimated Project Costs	\$ -	\$ -	\$ -	\$ 4,500,000
Beginning Fund Balance	<u>4,500,000</u>	<u>4,574,430</u>	<u>4,574,430</u>	<u>4,706,164</u>
Ending Fund Balance	<u><u>\$ 4,574,430</u></u>	<u><u>\$ 4,576,164</u></u>	<u><u>\$ 4,706,164</u></u>	<u><u>\$ 271,164</u></u>

**FEDERAL GRANT FUND
SUMMARY OF REVENUES, TRANSFERS AND EXPENDITURES**

FEDERAL GRANT FUND FUND

	<u>Actual FY23</u>	<u>Approved Budget FY24B</u>	<u>Year-End Estimate FY24E</u>	<u>Budget FY25</u>
Funding Sources				
Interest Income	\$ -	\$ -		
Transfer In- PWA	-	-	-	-
Trnsfer In - GF	-	-	-	1,500,000
Grant Revenue	<u>7,794,438</u>	<u>-</u>	<u>250,000</u>	<u>-</u>
Total Funding Sources	<u>\$ 7,794,438</u>	<u>\$ -</u>	<u>\$ 250,000</u>	<u>\$ 1,500,000</u>
Estimated Project Costs				
Peniel Sewer Line Project (ARPA Grant)	\$ -	\$ -	\$ 361,563	\$ 3,003,392
Meter Replacement Project (ARPA Grant)	-	3,000,000	2,463,233	536,767
Wellfield Rehab (APRA Direct Appropriation)	-	3,908,000	3,775,455	824,545
Meter Replacment (County ARPA)	-	250,000	169,100	80,900
Total Estimated Project Costs	\$ -	\$ 7,158,000	\$ 6,769,351	\$ 4,445,604
Beginning Fund Balance	<u>1,678,525</u>	<u>9,474,697</u>	<u>9,474,697</u>	<u>2,957,080</u>
Ending Fund Balance	<u>\$ 9,474,697</u>	<u>\$ 2,318,431</u>	<u>\$ 2,957,080</u>	<u>\$ 11,476</u>

Agenda: 05/21/2024
Item: 7
BPWA Item: 3

BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY

From: Elizabeth A. Gray, City Manager
Date: May 2, 2024
Subject: Manual of Fees

BACKGROUND

The Manual of Fees was last adopted by Resolution No. 1553 in 2019. Staff has been working for several months to update the manual of fees so that all fees are accessible in one location. Any recommended changes to the manual of fees are highlighted in the attached document.

The staff has done extensive research into the communities surrounding us and have found that our fees fall below other surrounding communities in numerous fee areas. Staff is presenting a new set of fees that we believe are fair, in line with surrounding communities and adequately cover the costs associated with each fee.

It is recommended that staff reviews and updates fees on an annual basis and that City Council reviews and approves the fees on an annual basis during the budget process.

Staff recommends approval of the FY 2025 Manual of Fees.

RECOMMENDATION

1. Approve Resolution No. 1699 adopting FY 2025 Manual of Fees as presented.

ADDITIONAL COMMENTS



RESOLUTION NO. 1699

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, APPROVING THE FISCAL YEAR 2025 MANUAL OF FEES, WHICH ESTABLISHES THE FEES AND COSTS CHARGED BY THE CITY OF BETHANY, OKLAHOMA; AUTHORIZING PERIODIC ADJUSTMENT AS NECESSARY BY THE CITY MANAGER; AND PROVIDING AN EFFECTIVE DATE OF JULY 1, 2024.

WHEREAS, during the Fiscal Year 2025 budgeting process, staff reviewed the fees charged for inspections, utility services, zoning, and other services provided by the City; and

WHEREAS, to improve transparency and to create a single reference source for citizens and those transacting business with the City, staff is recommending that the City Council adopt this revised Manual of Fees; and

WHEREAS, the fees charged for City services needed adjustment to ensure that the City will recover the costs and expenses associated with providing certain services; and

WHEREAS, the City Council believes that it is important to adopt a single source for location of the fees and costs, for placement on the City’s website, and in hard copy with the City Clerk’s Office; and

WHEREAS, it is contemplated that the City Council will review the Manual of Fees on an annual basis as part of the budgeting process to ensure that the City is covering the costs of services for personnel and capital needs.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, THAT the Manual of Fees for Fiscal Year 2025, attached hereto as “Exhibit A” is hereby approved with an effective date of July 1, 2024.

NOW, THEREFORE, BE IT FURTHER RESOLVED THAT the City Manager is authorized to adjust fees, as needed, to ensure the City will recover its expenses for services, as in the best interest of the City and as authorized by the Bethany Code of Ordinances.

PASSED AND APPROVED by the Bethany City Council this _____ day of _____, 20_____.

Nikki Lloyd, Mayor

Attest: _____
Michael Vaughn, City Clerk

Approved as to form and legality on _____, 20_____.

Ray Jones, City Attorney

Building Permits

All Construction, Minimum Permit Fee	\$65
Warehouse Buildings	\$0.17/SF
Commercial/Office	\$0.25/SF
Industrial	\$0.25/SF
Residential	\$0.18/SF
Accessory (No Plumbing or Mechanical)	\$0.05/SF
Elevators	\$55.50
Fences	\$25
LP Gas Storage or Dispensation Facilities	\$50
Shelters	\$50 \$125 in ground/\$75 above ground
Swimming Pools	\$50
Storage Tank (Flammables)	\$50
Tennis Court	\$50
Reinspection	\$35
Roofing	\$50
Alterations/Repair (Remodel)	\$34.50 for 1 st story, and \$11.00 per additional story.
Demolition	\$50
Certificate of Occupancy	\$25
Cell Tower	\$100

Electrical Permits

Cut Over (Including Move of Service)	\$8.50/100 amp additional
Re-inspections	\$35
Service	\$20
Temporary Pole	\$35
Wiring (New Construction)	\$111 up to 200 amps, \$41.50/100 amp additional
Add-On or Minor Wiring (No Change in Service)	\$27.50

Swimming Pool Wiring	\$69.00
Water Well	\$75
COMMERCIAL	
New Construction <4000 SF	\$125.50 + \$37.50/100 amps over 200 amps
New Construction >4000 SF	\$269.50 + \$96.50/100 amps over 200 amps
Add-On or Remodel <4000 SF	\$110
Add-On or Remodel >4000 SF	\$187.50
Service for Signs	\$27.50
Commercial Minor Electrical Wiring Permit for Five Outlets or Less, Unrelated to Building Permits and Requiring No Change in Service	\$29.50s

Engineering

Public Improvements Inspection	
	\$0-\$2,000 6.99%
	\$2,001-\$5,000 6.3%
	\$5,001-\$10,000 5.5%
	\$10,001-\$25,000 4.9%
	\$25,001-\$50,000 4.1%
	>\$50,000 3.5%
Paving Cuts	\$69 for 1 st sq yd + \$34.50 for each additional sq yd
Street Bore	Up to 14" in diameter & 36' in length: \$137.50
Casing Diameter >14 inches	\$10 for each additional inch
Length >36 feet	\$7 for each additional foot

License Fees

Alcoholic Beverage Sales	
Brewer	\$1,250
Distiller	\$3,125
Winemaker	\$625
Oklahoma Winemaker	\$75
Rectifier	\$3,125
Wholesaler	\$3,500
Class B Wholesaler	\$625
Retail Package Store	\$900
Retail Dealers (Class I or II): Non-Intoxicating Beverages	\$20
Mixed Beverage Establishment	
Initial	\$1,000
Renewal	\$900
Caterer (with Alcohol Sales)	
Initial	\$1,000
Renewal	\$900
Auction Merchants	\$100
Contractors	
Building Mover	\$25
Electrical, first year/thereafter	\$100/\$30
Fence Contractor	\$30
Forced Air Heating/Refrigeration; first year/ thereafter	\$100/\$30
Gas Fitter; first year/thereafter	\$100/\$30
General Building	\$25
Plumbing; first year/thereafter	\$100/\$30

Refrigeration, industrial; first year/thereafter	\$100/\$30
Roofing Contractor	\$30
Sidewalk and Driveway Approach	\$30
Sign Contractor; not required for employees in the course of their employment for licensed sign contractors, or licensed electrical contractors installing the electrical system of signs during their business as electrical contractors.	\$75
Storm Shelter/Fallout Shelter	\$25
Water Well Drillers	\$30
Businesses (Misc.)	
Massage Therapist	\$25/\$20
Day-Care Centers	\$25
Home Occupations	\$25
Incinerators	\$25
Itinerant Vendors	\$200
Motor Vehicle Dealers; first year/ thereafter	\$50/\$35
Nursing, Rest, or Convalescent Homes	\$25
Pawnbrokers	\$50
Solicitors & Peddlers	\$25
Taxicabs	
Ten or fewer cabs in fleet	\$25
More than ten cabs in fleet	\$250
Wrecker Service	
Referrals	\$50
Attendants	\$10
Any other business not listed above which has taxable sales	\$25

Arts and crafts vendors at events on non-city owned property, valid for day of event only	\$10
All other vendors at any event, valid for day of event only	\$10

Mechanical Permits

Boiler	Minimum Permit Fee: \$50, up to 30HP, 31-150 \$70, 151-300 \$150, over 300 \$200
Gas Appliances > 40,000 BTUs	\$35
Commercial Clothes Dryer (gas)	\$35
Gas Extension >10 ft.	\$35
Floor Furnace (gas)	\$35
Panel/Wall Heater (gas)	\$35
Service (gas)	\$35
Temporary Service (gas)	\$35
Gas Unit Heater	\$35
Gas Water Heater	\$35
Forced Air Heating Unit	\$35
Refrigeration System (0-4 tons)	\$23.50
Refrigeration System (5-25 tons)	\$34.50
Refrigeration System (26-60 tons)	\$82.50
Refrigeration System (61-100 tons)	\$96.50
Refrigeration System (101+ tons)	\$344
Reinspection	\$35

Medical Marijuana

Retail Medical Marijuana Dispensary	\$750
Medical Marijuana Processor	\$750
Medical Marijuana Grower	\$750
Medical Marijuana Research Facility	\$250
Medical Marijuana Educational Facility	\$250
Re-Inspection Fee (for each additional inspection)	\$50

Miscellaneous

Driveway Permits	
Curb Cut	\$100
Driveways	Included in Curb Cut Fee
Emergency Medical Services Utility Fee	\$2.60 per month per utility billing unit
Garage Sale Permits	\$10
House Moving	
Advance Inspection	\$69 inside city, \$206.50 within 30 miles
Permit to Move into City	\$150
Land Disturbing	
Site is <5 acres in size	\$75
Site is ≥5 acres, but <20 acres	\$100
Site is ≥20 acres	\$150
Portable Temporary Storage Units (PTSUs)	
PTSU Permit	\$50.00
PTSU Extension	\$150.00

Short Term Rental License	\$150
Mobile Food Service -Annual	\$200
Food Truck – Approved Special Event	\$25
Solicitation	
Street (Itinerant Vendors)	\$200
Charitable	\$23
Peddler, Solicitor, and Outdoor Sellers	\$30
Stormwater	
Monthly Utility Fee	\$3.00
Water Well	
Water Well	\$100 for each well

Occupational Registration

General Building Contractor	\$25
Plumbing Contractor	\$100 Initial/\$30 renewal
Electrical Contractor	\$100 Initial/\$30 renewal
Mechanical Contractor	\$100 Initial/\$30 renewal
Fence Contractor	\$25
Small Sewage System Installer	\$25
Concrete Contractor	\$25
Contractor (other)	\$25

Plan Review

1 & 2 Family Residential	\$60
R-M, All Commercial, and Industrial	\$75

	50% of building permit fee, credited toward building permit fee, not to exceed \$2,750
	\$69 inside city, \$206.50 within 30 miles

Plumbing Permits

New Residential Constructions (including all inside fixtures)	\$69 + \$23.50 for each additional bathroom
New/Remodel Commercial., Multi-Family, and Industrial Construction	\$92.50 + \$5.50
Reinspection	\$35
Grit or Grease Interceptor	\$30
Water Extension > 10 ft.	\$12.50
Automatic Car Wash	\$23.50
Car Wash Steamer or Boiler	\$21
Commercial Dishwasher	\$12.50
Commercial Garbage Disposal	\$12.50
Septic Tank	\$23.50
Sewer	\$35
Automatic Fire Sprinkler System	\$100
Yard Sprinkler System	\$25
Commercial Washing Machine	\$12.50
Water Heater	\$35
Water Service	\$35

Signs

Signs <100 sq ft	\$41.50
Signs >100 sq ft	
101-200 sq ft	\$52.50

201-500 sq ft	\$107.50
>500 sq ft	\$140.00
Impounded Political Signs	\$0.25 each

Water System Impact Charges

Sewer Connection Fee	\$100 + \$50 per additional bathroom
¾"	\$100 \$110
1"	\$165 \$181.50
1.5"	\$335 \$368.50
2"	\$535 \$588.50
3"	\$1,000 \$1,100
4"	\$2,000 \$2,200
Commercial Garbage Disposal	\$100 + \$50 per equivalent bath unit

Water Meter Fees

Water Meter Size	Meter Fee
5/8"	\$100 \$375.00
1"	\$165 \$450.00
1.5"	\$335 \$920.00
2"	\$535 \$1,080.00

Zoning

Notice Fee, per public hearing, appeal, variance, etc.	\$150
Rezoning: Agricultural	\$438
Rezoning: R-1	\$625 + \$13/acre
Rezoning: R-2	\$813 + \$13/acre

Rezoning: R-M	\$1,000 + \$13/acre
Rezoning: C-O, C-R	\$625 + \$13/acre
Rezoning: C-G, C-H, E-I, I-L	\$875 + \$13/acre
Rezoning: I-H	\$1,250 + \$13/acre
Rezoning: Planned Unit Development (PUD)	\$1,500 + \$19/acre
Rezoning: Mixed Use Development (MUD)	\$850 + \$13/acre
Preliminary Plat: <10 acres	\$1,000
Preliminary Plat: 10-40 acres	\$1,250
Preliminary Plat: >40 acres	\$1,563
Final Plat	\$625
Minor Subdivision	\$1,063 + \$63/acre
BOA Appeal	\$63
BOA Variance	\$344 (residential)/ \$625 (non-residential)
BOA Special Exception	\$625
PZ – Special Use Permit	\$344 (residential) / \$875 (commercial)

Bethany Public Works

Truck Load Fees

Pickup Bed Height	\$15
Over Bed Height	\$20
Cab Height	\$25
Trailer	\$15 (Minimum) / \$7 per yard \$10.00 per cubic yard
Large Truck	\$25 (Minimum) / \$7 per yard

Normal Bulk Pick-Up

≤4 Cubic Yards	\$28 minimum (\$7 per yard) \$35.00 minimum
>4 Cubic Yards	\$7 per yard (after 4 cubic yards) \$10.00 per cubic yard

Park Shelter Reservation

Residents	
First Two Hours	\$30
Additional Hour(s)	\$20
Non-Residents	
First Two Hours	\$45
Additional Hour(s)	\$20

Macrory, Garrison, E/L Maximum Capacity: 50

Ripper Maximum Capacity: 100

Barricades

Type 2	\$1.50 per day
Type 3	\$9 per day
42" Channelizers	\$1.50 per day
28" Cones	\$1 per day
Deploy Fee	\$70 minimum, @ \$70.00 per hour
Pick-Up Fee	\$70 minimum, @ \$70 per hour
Caution Tape	\$20 per roll

Pool

Age 3 & Under	FREE
Age 4-12	\$2
Age 13 & Up	\$3
General Admission	\$5, Y members free
Season Pass (Individual)	\$40 \$65
Season Pass (Family 2 adults up to 4 children)	\$85 \$125

Pavilion Rental (Regular Hours)	\$30 (for two hours)
Pavilion Rental (After Hours)	
Groups of 50 or less	\$50 per hour + \$10 per hour for each lifeguard \$200 per hour no baby pool \$250 per hour with baby pool
Groups of 51-75	\$75 per hour + \$10 per hour for each lifeguard \$250 per hour with no baby pool \$300 per hour with baby pool
Groups of 76-100	\$100 per hour + \$10 per hour for each lifeguard \$300 per hour with no baby pool \$350 per hour with baby pool
Groups of 100+	\$150 per hour + \$10 per hour for each lifeguard

Animal Welfare Fees

Adoptions	
Dogs	\$80
Cats	\$55
Microchipping	
Total Fee	\$25
Surrender Fee	
Total Fee	\$25

Finance Department Fees

Flush Meters	
Flush meter deposit (refundable)	\$1,000
Flush meter fees	\$6.45 per 1,000 gallons
Misc. Fees	
Monthly ambulance fee	\$2.60
Credit Card fee	\$3.25 per transaction
Utility Account Delinquent Fee	\$25.00
Residential Late Fee	\$10.00

Commercial Late Fee	5% of bill
Tampering with water meter	\$40.00
Water meter testing	\$75.00 (credited to account if meter is found to be faulty)

Agenda: 05/21/2024

Item: 9

BPWA Item: 4

**BETHANY CITY COUNCIL
BETHAN PUBLIC WORKS AUTHORITY**

From: Elizabeth Gray, City Manager
Date: May 7, 2024
Subject: Approval of Amendment No. 1 and Change Order No. 1 to Construction Contract for Water Meter Automation Improvements Oklahoma County ARPA funds

BACKGROUND

The City of Bethany received additional Oklahoma County ARPA funds for the replacement of old mechanical meters with new ultrasonic meters that can be read remotely.

Bids were opened and the contract was awarded on February 6, 2024, to Southwest Water Works, LLC in the amount of \$169,100.00.

The scope of Amendment No. 1 is to amend the existing bid pay item quantities for the adjustment in the work that has been completed to date. The amendment includes an additional 73 meters to be added to the project to use all the Oklahoma County ARPA funds the City of Bethany received. Change Order No. 1 creates a pay item for new meter can and lid; mobilization and project management for the additional 73 meters; and furnish and install (1-inch) water meter in existing meter can. There were 20 meters that required a 1-inch meter and not a 5/8 inch meter.

The revised contract amount is \$230,000.

RECOMMENDATION

1. Approval of Amendment No. 1 and Change Order No. 1 to construction contract for the Water Meter Automation Improvements Oklahoma County ARPA funds in the amount of \$60,900.00.

ADDITIONAL COMMENTS

Funds will come from the Oklahoma County ARPA Grant





TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

April 19, 2024

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

Re: Water Meter Automation Improvements Oklahoma County ARPA Funds
Change Order No. 1 and Amendment No. 1

Dear Ms. Gray:

I. AMENDMENT NO. 1 - SCOPE AND JUSTIFICATION

The scope of Amendment No. 1 is to amend the existing bid pay item quantities for the adjustment in the work that has been completed to date. The amendment includes an additional 73 meters to be added to the project to use all the Oklahoma County ARPA funds the City of Bethany received.

CHANGE ORDER NO. 1 - SCOPE AND JUSTIFICATION

Change Order No. 1 creates a pay item for new meter can and lid; mobilization and project management for the additional 73 meters; and furnish and install (1-Inch) water meter in existing meter can. There were 20 meters that required a 1-inch meter and not a 5/8-inch meter.

II. COST ESTIMATE

See Attachment A for the cost breakdown for Amendment No. 1 and Change Order No. 1.

Original Contract Amount:	\$169,100.00
Amendment No. 1 (Add):	\$41,520.00
Change Order No. 1 (Add):	\$19,380.00 (11.46%)
Revised Contract Amount:	\$230,000.00

The above and foregoing is hereby accepted this 19th day of April 2024 and the undersigned agrees to perform the work as so indicated in this Amendment No. 1 and Change Order No. 1 with said adjustments in the contract sum.

Southwest Water Works, LLC

Jackson Matthews
Name and Title Project Manager

The prices shown for the Amendment were established by competitive bidding in the original contract and not subject to the Oklahoma Competitive Bidding Act. The prices shown for the Change Order were established by negotiation and appear to be fair and reasonable.

Robbie Williams
Robbie Williams, P.E.

City Attorney

APPROVED by Council of the City of Bethany this ____ day of _____, 2024.

ATTEST:

CITY CLERK

MAYOR

Agenda: 05/21/2024
Item: 10
BPWA Item: 5

BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY

From: Elizabeth Gray, City Manager
Date: May 21, 2024
Subject: Request Permission to Advertise for Bids for Peniel Sanitary Sewer Force Main for American Rescue Plan Act grant (NW 25th to NW 32nd)

BACKGROUND

The City of Bethany received funds provided by the Federal Government through the American Rescue Plan Act (ARPA) totaling \$3,372,962. On October 5, 2021, the City Council dedicated the funds for much needed sewer infrastructure improvements by adopting Resolution No. 1632. On November 1, 2022, the City Council dedicated these funds for improving and replacing sanitary sewer line on Peniel Avenue.

On February 21, 2023, the City of Bethany entered into a contract for engineering and design services with TEIM Design.

TEIM Design now requests permission to advertise for bids. Construction plans have been submitted and reviewed by the Oklahoma Department of Environmental Quality. Once final approval is obtained the plans will be advertised for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for Peniel Sanitary Sewer Force Main for American Rescue Plan Act grant (NW 25th to NW 32nd)



ADDITIONAL COMMENTS

Funding for this project is provided by the Federal ARPA grant for the Peniel Sewer line.



TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 10, 2024

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

Re: Request Permission to Advertise for Bids the Peniel Avenue Sanitary Sewer Improvements NW 25th to NW 32nd Street)

Dear Ms. Gray,

We are requesting permission to advertise for bids the Peniel Avenue Sanitary Sewer Improvements NW 25th to NW 32nd Street).

The project schedule is as follows:

Advertise for bids on May 24 and 31, 2024, in the Journal Record.
Mandatory Pre-bid meeting June 5, 2024, at 2:00 PM.
Open bids June 21, 2024, at 10:30 AM.

Should you need additional information please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Manek', written in a cursive style.

Steve Manek, PE

Attachments: Project plans and specifications

SPECIFICATIONS

for

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET**

for the
**CITY OF BETHANY
OKLAHOMA**



BY:

**TEIM DESIGN, PLLC
3020 NW 149th Street
Oklahoma City, OK 73134
Telephone: (405) 752-1122
Fax: (405) 752-8855**

TEIM Design, PLLC Project No. ET424.09

May, 2024

APPROVAL SHEET

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET**

CITY OF BETHANY, OKLAHOMA

SUBMITTED BY

TEIM DESIGN, PLLC

THIS 9 DAY OF May, 2024


Patrick James Garrett, P.E.



NOTICE TO BIDDERS

Notice is hereby given that the City of Bethany will receive sealed bids in the **Office of the City Clerk, located at Bethany City Hall, 6700 N.W. 36th Street, Bethany, Oklahoma, 73008** until **10:00 a.m. on Friday the 21st day of June, 2024**, for the construction of:

PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET

CITY OF BETHANY, OKLAHOMA

Bids shall be made in accordance with the Notice to Bidders, Requirements for Bidders, Plans, Specifications, and Bidder's Proposal, which are on file and available for examination at the Office of the City Clerk and are made a part of this notice as fully set forth herein and copy of which may be obtained from TEIM Design, PLLC, 3020 Northwest 149th Street, Oklahoma City, Oklahoma 73134 upon deposit of **\$50.00 per set**, all of which will be retained. All bids shall remain on file at least ten (10) days thereafter before a contract shall be made and entered into thereon.

Bids shall also be made in accordance with the prevailing hourly rates of wages (if applicable) for this locality and project as determined by the Commissioner of Labor and filed with the Secretary of State, a copy of which prevailing hourly rate of wages is made a part of this notice by reference as though fully set forth herein

Bids received more than twenty-four (24) hours, excluding Saturdays, Sundays, and holidays, before the time set for opening of bids, as well as bids received after the time set for opening of bids, will not be considered and will be returned unopened.

A cashier's check, a certified check, or a surety bond in the amount of five percent (5%) of the bid shall accompany the sealed proposal of each bidder.

The City of Bethany reserves the right to reject any or all bids. Bids will be opened at **10:00 a.m. on Friday the 21st day of June, 2024**, in the **City Hall Building, 6700 N.W. 36th Street, Bethany, Oklahoma 73008**.

A mandatory pre-bid conference will be held at the City Hall Building, 6700 NW 36th Street, Bethany, Oklahoma 73008 on Wednesday, June 5th, 2024, at 10:30 a.m. Attendance at the pre-bid conference *is* mandatory.

City Clerk

OWRB Information for Bidders

This project is to be financed by the ARPA grant program managed by the Oklahoma Water Resources Board (OWRB). The following requirements and regulations must be complied with:

- A. **Equal Opportunity in Employment:** All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, age or physical handicap Bidders on this work will be required to comply with the President's Executive Order No. 11246, as amended.
- B. Each bidder must fully comply with the requirements, terms, and conditions of the Environmental Protection Agency's Disadvantaged Business Enterprise Requirements, which have been adopted for the OWRB ARPA program, and include employing the six (6) good faith efforts and soliciting disadvantaged business enterprises during the performance of this contract. Requirements are contained in OWRB's Guidance and Procedures, ARP-267. The bidder commits itself to following the good faith efforts to solicit disadvantaged business enterprises contained herein and all other requirements, terms, and conditions of these bid conditions by submitting a properly signed bid.
- C. **If the total project cost exceeds \$10,000,000 (ten million dollars)** Davis Bacon Act wage rules shall apply. All laborers and mechanics employed by contractors and subcontractors on projects funded directly by or assisted in whole or in part by and through the Federal Government shall be paid wages at rates not less than those prevailing on projects of a character similar in the locality as determined by the Secretary of Labor in accordance with subchapter IV of Chapter 31 of Title 40, United States Code and 29 CFR parts 1,3, and 5. The Department of Labor provides all pertinent information related to compliance with labor standards, including prevailing wage rates and instructions for reporting. More information is available at [https://www.dol.gov/agencies/whd/governmentcontracts/ construction](https://www.dol.gov/agencies/whd/governmentcontracts/construction) and <http://www.sam.gov/>
- D. System for Award Management (SAM) registration is required for all Applicants and Awardees (Entities, Prime Contractors, Subcontractors, Vendors) in order to receive funds from the ARPA program. SAM replaced the Central Contractor Registration/Federal Agency Registration, Online Representations and Certifications Application, and Excluded Parties List System. Applicants and awardees are required to complete a one-time free registration to provide basic information relevant to procurement and financial transactions. On April 4, 2022, the unique entity identifier used across the federal government changed from the DUNS Number to the Unique Entity ID (generated by SAM.gov). Registrants must retain an active status to be eligible for ARPA funding. Applicants and Awardees can go to SAM.gov to complete the registration process.

Bidders must satisfy themselves of the accuracy of estimated quantities in the bid proposal by review of the Plans and Specifications, including any existing addenda, and by examination of the project site. Once a bid is submitted, the bidder shall not assert that there was a misunderstanding concerning the quantities or the nature of work to be performed. The failure or omission of any

bidder to do any of the foregoing shall in no way relieve any bidder from any obligation in respect to its bid.

Prior to bidding, the Owner shall provide to the bidders all pertinent information that 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 product. 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.

Each bid must be accompanied by a Bid Bond for five percent of the total amount of the bid and payable to the Owner. A certified check may be used in lieu of the Bid Bond. As soon as the bid prices have been compared, the Owner will return the bonds of all except the three lowest responsive, responsible bidders. The bid securities of the successful bidder and the two remaining unsuccessful bidders will be returned upon Owner's approval of the successful bidder's executed certificate of insurance and construction bonds.

Construction bonds (Performance, Statutory, and Maintenance) in the amount of 100 percent with a corporate surety approved by the Owner will be required for the faithful performance of the contract. Attorneys-in-fact who sign bid and construction bonds must file with each bond a certified and effective dated copy of their Power-of-Attorney.

The Owner shall award a contract to the lowest, responsive, responsible bidder or bidders within thirty (30) calendar days after bid opening. The Owner may extend the award period not to exceed fifteen (15) calendar days by formal recorded action and for good cause. The time may be extended further by mutual agreement between the Owner and the bidder per O.S. Title 61 Section 111, Public Competitive Bidding Act of 1974 (PCBA).

The Notice of Award shall be accompanied by the necessary contract, bonds, and insurance. In the event of failure of the bidder to execute the contract, 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 party to whom the contract is awarded will be required to execute the contract and obtain the construction bonds (Performance, Statutory and Maintenance) and certificate of insurance within 60 calendar days (not to exceed 60 days) from the date when the Notice of Award is delivered to the bidder. The time may be extended further by mutual agreement between the Owner and the bidder per O.S. Title 61 Section 113 (PCBA).

With an acceptable contract, bonds and certificate of insurance signed by the party to whom the Contract was awarded, the Owner shall sign the contract and return to such party an executed duplicate. Should the Owner not execute the contract within the agreed upon period, the bidder may by written notice withdraw the signed contract. Such notice of withdrawal shall be effective upon its receipt by the Owner.

The Owner shall issue the Notice to Proceed after the execution of the contract, approval of bonds and certificate of insurance. If the Notice to Proceed has not been issued within the agreed upon period, the contractor may terminate the contract without further liability on the part of either party. The Owner may make such investigations as deemed 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 bidders 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.

A conditional or qualified bid will not be accepted. Tied bids are non-restrictive, and in order for a tied bid to be accepted it must be lower than the sum of low separate bids. All applicable laws, ordinances, rules, and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout. The successful bidder will be required to meet all requirements of the Underground Facilities Damage Prevention Act when engaged in work within public rights-of-way.

When using alternate bids, they will be listed in numerical order, with the highest priority being number one, the second highest priority being number two, etc. The lowest bidder will be determined by comparing all bids that contain the selected alternates and computing the total value of the base bid plus the alternates.

All bidders and owners shall comply with the Oklahoma PCBA of 1974.

The awarded bidder shall supply the names and addresses of all subcontractors and material suppliers when required to do so by the Owner.

To avoid bypassing of raw sewage during construction, the contractor shall submit a plan to the owner for approval.

The Contractor will be required to begin work within 10 calendar days of the date shown on the Notice to Proceed. The time for completion is 90 calendar days. Liquidated damages will be \$300.00 per calendar day.

In the event of a conflict between the Plans and the Specifications, the Specifications will govern.

The following items, included in this Bid Packet, shall be submitted along with the bid: Bid Proposal, Bid Bond, Non-Collusion Affidavit, Business Relationship Affidavit, Contractor's Statement about Equal Opportunity (ARP-211), Contractor's Certificate of Non-Segregated Facilities (ARP-212), Sub-Contractor's Certificate of Non-Segregated Facilities (ARP-212a) Bidder's/Supplier's List (ARP-249), Subcontractor Performance form (ARP-6100-3), Subcontractor Utilization form (ARP-6100-4) and DBE documentation (if applicable).

The consulting engineer is TEIM Design, PLLC. The consulting engineer's contact person for this project Patrick Garrett with phone number (405) 752-1122.

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GENERAL PROVISIONS

GENERAL PROVISIONS

DEFINITION OF TERMS

2.01 - Definitions. Wherever the words, forms or phrases herein define, 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.T.O. - The American Association of State Highway Transportation 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.

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 therefore specified or otherwise required by law.

BIDDER - Any person or persons, partnership, company, firm or corporation acting directly through a duly authorized representative submitting a proposal for the work contemplated.

CALENDER DAY - Any day of the year.

CITY - City of Bethany, Oklahoma, a Municipal Corporation, acting through its duly authorized representatives or agents.

CITY AUDITOR - The City Auditor of the City of or their duly authorized assistants or agents.

CITY BUILDING DEPARTMENT - The City Building Department.

CITY CLERK - The City Clerk of the City, or their duly authorized assistants or agents.

CITY MANAGER - The Manager of the City.

CITY TREASURER - The City Treasurer of the City, or their 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 the Contractors, Proposals, Bonds, Specifications, including special Provisions, plans or working drawings and any supplemental agreements pertaining to the work or materials therefor.

CONTRACTOR - The persons or persons, partnership, company, firm or corporation entering into contract for the execution of the work acting directly through a duly authorized representative.

COUNCIL - The Council of the City.

DEVELOPER - The owner of a tract of land that has been subdivided into lots, blocks, streets, and alleys having street improvements made in accordance with these specifications by private contract.

DIRECTOR OF PUBLIC WORKS - The person acting within the scope of duly delegated authority.

ENGINEER - City Engineer or his duly authorized agents acting severally within the scope of the particular duties entrusted to them.

EXTRA WORK - Any work performed by the Contractor not provided for by the plans.

FURNISH - To supply.

MAINTENANCE BOND - The approved form of security furnished by the Contractor and his surety as a guarantee that he will maintain the work constructed by him, against any failure due to defective material or workmanship.

MAJOR PAY ITEM - Any item having an original contract value in excess of 10 percent of the original contract amount shall be considered as a major item or items. All other items shall be considered minor items.

MAYOR - The Mayor of the City and Chairman of the City of Bethany Works Authority.

MOBILIZATION - Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project; and for all other work and operations which must be performed, or costs incurred, prior to beginning work on the various items on the project site. Payment for same will be made as provided for in the Special Provisions.

MUNICIPAL COUNSELOR - The Municipal Attorney of the City or his duly authorized assistants or agents.

OWNER - The owner is that person or agency contracting for the proposed improvements.

PLAN OR PLANS - All of the drawings pertaining to the contract and made a part thereof, including such supplemental 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 or 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 a contract with the City and to execute the required bonds for the work contemplated after the work is awarded to him and as liquidated damages in event of failure to do so.

PROVIDE - To furnish and erect or install.

SPECIAL PROVISIONS - The special clauses setting forth conditions or requirements peculiar to the specific project involved, supplementing the Standard Specifications and taking precedent over any conditions or requirements of the Standard Specifications with which they are in conflict.

SPECIFICATIONS - The 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 kinds, quantities or qualities of materials to be furnished under the contract and methods of measurement and basis of payment.

STATUTORY BOND - The approved form of Surety furnished by the Contractor and his Surety as a guarantee that he will pay, in full, all bills and accounts for material and labor used in the construction of the work, as provided by law.

SUBSTANTIAL COMPLETION - The term "substantial completion" means that the work, structure, or facility has been made suitable for occupancy or use, and is in condition to serve its intended purpose, but may require minor miscellaneous work or adjustment.

SURETY OR SURETIES - The 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 construction activities included within the scope of the plans and specifications, 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 is suspended for causes beyond the Contractor's control, provided that Saturdays, Sundays, and legal holidays on which the Contractor's forces do engage in regular work will be considered as working days. A weekly schedule of working days charged to the job shall be submitted to the Engineer for his concurrence.

REQUIREMENTS FOR BIDDERS

2.02 - Requirements. The items noted in this section apply to and become part of the terms and conditions of the Proposal and Detailed Proposal as though they were included in their entirety. Any exceptions must be in writing.

2.03 - Content of Proposal Forms. Bids must be submitted on the Proposal Form and Detailed Proposal Form as appropriate. Said forms will be provided by the City and will state the general location and description of the contemplated work and 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.

2.04 - 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.

2.05 - Examination of Documents and Site of the Work. Bidders are advised that the plans and specifications of the Engineer on file with the City Clerk shall constitute all the information which the City will furnish. No other information given by the City or any official thereof prior to the execution of the contract shall ever become a part of or change the contract, plans or specifications or be binding on the City. Bidders are required, prior to submitting any proposal, to read carefully the specifications, the proposal, contract and bond forms; to examine carefully all estimates officially opened for examination and 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 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. It is mutually agreed that submission of a proposal will be evidence that the bidder has made the examination and investigations required herein.

2.06 - Preparation and Filing of Proposal. Bids and affidavits must be made in duplicate and filed in sealed envelopes within the time limit for receiving proposals, as stated in the Notice to Bidders, which envelopes shall bear a legible notation thereon "PROPOSAL" and the name of the project. The copies shall be filed with the City Clerk in the Municipal Building or as directed by the Notice to Bidders. All blank spaces in the proposal forms shall be correctly filled in and the bidder shall state the prices, typewritten or written in ink, both in words and numerals, for which he proposes to do the work contemplated or furnish the materials required. All prices shall be distinct and legible. In cases of conflict between the Proposal and Detailed Proposal, the unit prices specified on the Detailed Proposal 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 the 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.

2.07 - Proposal Affidavit. The bidder must execute the sworn statement found on the Proposal that the person signing the Proposal executed said Proposal in behalf of the bidder therein named and that he had lawful authority to do so, 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 whomever except those having a partnership or other financial interest with him in said bid, until after the said sealed bids are opened.

2.08 - Proposal Guaranty. Proposals will not be considered unless the original filed with the City Clerk is accompanied by a bidder's bond or certified or cashier's check in the required amount, made payable to the Treasurer of the City. The proposal guaranty shall be in the amount of five (5) percent of the total amount of the bid unless otherwise provided in the Advertisement or Special Provisions. 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 and as liquidated damages in event of failure to do so.

2.09 - Withdrawal of Proposals. Any bidder upon his or his authorized representative's written request, or by telegram to the City Clerk will be given permission to withdraw his proposal not later than the time set for opening thereof. After other proposals are opened and read, the proposal for which withdrawal is requested in a timely manner will be returned unopened.

2.10 - Opening of Proposals. The proposals filed with the City Clerk will be opened at the time stated in the advertisement and shall thereafter remain on file in the office of said City Clerk for 48 hours before any contract will be entered into, based on such proposal.

2.11 - Irregular Proposals. Any bid proposal that shows any omission, alteration of form, addition or condition not called for in any unauthorized bid proposal shall be deemed irregular; however, the City reserves the right to waive technicalities and make the award in the best interest of the City.

2.12 - Rejection of Proposals. The City reserves the right to reject any or all proposals and all proposals submitted are subject to this reservation. Proposal may be rejected for any of the following specific reasons:

- A. Proposals received before or after the time limit for receiving proposals as stated in the advertisement.
- B. Proposal prices obviously unbalanced.
- C. Total proposal price above the Engineer's estimate of total cost.
- D. Proposals that are incomplete insofar as the Non-Collusion Affidavit, required signatures, or containing any material irregularities.

- E. Failure to submit Proposal Guaranty.
- F. Bidder not pre-qualified unless pre-qualification is waived by the City of Bethany.
- G. Any other irregularity.
- H. Any bidder not pre-qualified with the City of Oklahoma City.

2.13 - Disqualification of Bidder. Bidders may 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.
- G. Any other matter which comes to the attention of the City which, in the sole discretion of the City, would cast reasonable doubt upon bidder's ability to perform the contract.
- H. Any bidder not pre-qualified with the City of Oklahoma City.

AWARD AND EXECUTION OF CONTRACT

2.14 - 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 approximated 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.

2.15 - Award of Contract. The City reserves the right to withhold the award of the contract for a period of time not to exceed thirty (30) days unless mutually agreed upon from the date of opening the proposals and no award will be made until the necessary investigations are made as to the responsibility of the low bidder. The low bidder must submit a financial statement. 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.

2.16 - Return of Proposal Guaranty. As soon as the proposal prices have been compared, the City may, at its discretion, return the proposal quantities accompanying proposals which in its judgment would not be considered in making the award. Should the awarding of the contract be delayed more than thirty (30) days, all bidders' 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.

2.17 - Surety Bonds. With the execution and delivery of the contract, the Contractors shall furnish and file with the City in the amounts herein 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.
- 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 good and sufficient Maintenance Bond will be required for a period of **two (2) years** for all improvements from the date of final acceptance of the project(s) by the City. Said bond shall be in the sum as stated on the Maintenance Bond Form.

All bonds shall be acceptable to the Owner. 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 conforming to the requirements of the City and acceptable to the City of Bethany. Each bond shall be executed by the Contractor and the Surety.

2.18 - 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 City Attorney, executed by the City of Bethany and delivered to the Contractor.

2.19 - 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 an 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 damage. The filing of a proposal will be considered as an acceptance of this provision.

SCOPE OF WORK

2.20 - Intent of Plans and Specifications. The intent of the plans and specifications is to prescribe a complete scope of work or improvement which the Contractor undertakes to do, in full compliance with the plans, specifications, special provisions, proposal and contract. The Contractor shall furnish all labor, materials, tools, equipment and incidentals necessary to the prosecution of the work, unless otherwise specified.

2.21 - Design, Drawing and Instructions. It is agreed that the Owner will be responsible for the adequacy of design and sufficiency of the Drawings and Specifications. The Owner, through the Engineer, or the Engineer and the Owner's representative, shall furnish drawings and specifications which adequately represent the requirements of the work to be performed under the Contract. All such drawings and instructions shall be consistent with the Contract Documents and shall be true developments thereof. Drawings and specifications which adequately represent the work to be done shall be furnished prior to the time of entering into the Contract. The Engineer may, during the life of the Contract, issue additional instructions, by means of drawings or other media, necessary to clarify the work or illustrate changes in the work.

2.22 - 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.

2.23 - Increased or Decreased Quantities of Work. Where the quantity of a major pay item in this contract is an estimated quantity and where the actual quantity of such pay item varies more than fifteen percent (15%) above or below the estimated quantity stated in this contract, as it may hereafter be modified, an equitable adjustment in the contract unit price shall be made upon demand of either party. If the quantity variation is such as to cause an increase or decrease in the time necessary for completion, the contract shall be increased or decreased on a basis commensurate with the amount and difficulty of the modified work.

2.24 - 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.

2.25 - 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 the prior approval of the City of Bethany.

Payment of extra work will be made as hereinafter provided.

2.26 - 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.

CONTROL OF THE WORK AND MATERIALS

2.27 - Authority of Engineer. The Engineer shall perform technical inspection of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall also have authority to reject all work and materials which do not conform to the Contract and to decide questions which arise in the execution of the work.

2.28 - 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, any work done or materials ordered shall be at the Contractor's risk. The contract price shall include the cost of furnishing such drawings.

2.29 - Conformity with Plans. Allowable Deviations. All work shall conform to the lines, grades, cross-sections and dimensions 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 of Bethany before the work is commenced. Where an actual emergency exists, wherein the delay caused by submitting the change order to the City of Bethany 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 for consideration at its next regular meeting.

- A. Change orders submitted to the City of Bethany for approval shall bear the approval of the Engineer and shall be prepared in three copies, distributed as follows:
1. One (1) copy to the City;
 2. One (1) copy of the Contractor;
 3. One (1) copy to the Engineer.
- B. 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.
 6. Increase or decrease in contract working time.

2.30 - Changed Conditions. Should the Contractor encounter or the Engineer discover during the progress of the work subsurface or latent physical conditions at the site differing materially from those indicated in this contract or unknown physical conditions at the site, of any unusual

nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract, the Engineer shall be promptly notified in writing of such conditions before they are disturbed, or when discovered by the City, the Contractor shall be notified in writing of such conditions.

The Engineer will thereupon promptly investigate the conditions and if he finds they do so materially differ and cause an increase or decrease in the cost of, or the time required for performance of the contract, an equitable adjustment will be made and the contract modified in writing accordingly.

2.31 - Coordination of Plans, Specifications, Proposal and Special Provisions. The plans, these specifications, the proposal, Special Provisions, and all supplementary documents are intended to describe a complete scope of work and are essential parts of the contract. All requirements occurring in any of them are 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. In the event the Contractor or Engineer discovers any apparent error or discrepancy, he shall immediately call such error or discrepancy to the attention of the other.

2.32 - Cooperation of Contractor. Six sets of plans and specifications will be furnished the Contractor. The Contractor shall have a set of plans and 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.

2.33 - Cooperation of Engineer. The Engineer shall give to the work the consistent attention necessary to facilitate the program thereof, and he shall cooperate with the Contractor and his Superintendents and with other contractors in every way possible. The Owner shall provide a competent Inspector available at all times who is fully authorized as his agent on the work. Such Inspector shall be capable of reading and thoroughly understanding the plans and specifications.

2.34 - Construction Stakes. The Engineer will furnish the Contractor with control points for each line; however the Contractor shall be responsible for establishing all lines, grades, and measurements necessary to the proper prosecution and control of the work contracted for under these specifications. Such control points as the Engineer may set for either his own or the Contractor's guidance shall be scrupulously preserved by the Contractor. In case of negligence on the part of the Contractor or his employees resulting in the destruction of such control points, an amount equal to the cost of replacing the same may be invoiced to the Contractor at the option of the Engineer.

2.35 - 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 material 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 substance during its delivery and handling shall not be used in the work.

2.36 - 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. 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.

In all cases where the Engineer orders tests or inspections to be made by a testing laboratory, the costs of the tests shall be borne by the Owner, except as otherwise provided herein.

Testing shall be done only on written order of the Engineer on test order forms provided by the City; unless otherwise provided. Nothing in these specifications shall be construed as requiring a specific number of tests to be made; the minimum schedule of satisfactory tests, listed herein, will be furnished by the Engineer and performed by a testing laboratory designated by the City.

The reference made herein to the A.S.T.M. and A.A.S.H.T.O. are to establish a standard for quality of material, and shall not be construed as requiring tests for compliance with these specifications except on the written order of the Engineer as provided above.

A satisfactory test is defined as being a test which shows that the quality of the materials or workmanship meets the requirements of the specifications. Where tests reveal that the quality of the materials or workmanship does not meet the requirements of the specifications, additional tests shall be made as directed by the Engineer until the number of satisfactory tests called for in the schedule have been made. The reports of the tests shall constitute the evidence referred to above.

The Engineer may order tests in addition to the number provided for in the schedule to be made if, in his opinion, such additional tests are necessary. The cost of all tests ordered, in addition to the number of satisfactory tests provided for in the schedule, which show that the materials or workmanship conform to the specifications shall be paid for by the Owner.

All such tests which reveal that the materials or workmanship do not conform to the specifications shall be paid for by the Contractor.

2.37 - Storage of Materials. Materials shall be stored so as to insure the preservation of their quality and fitness for the work. Stored materials shall be located so as to facilitate prompt inspection.

2.38 - 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 portion 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 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 placing of the coverage, 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 material used without suitable supervision or inspection by the Engineer may be ordered removed and replaced at the Contractor's expense.

2.39 - 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 the 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 shall, after giving written notice to the Contractor, 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 to the Contractor. If the Engineer and City deem it in-expedient to correct work injured or done not in accordance with the contract, an equitable deduction from the contract price shall be made therefor.

2.40 - 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, which shall appear within a period of one year from the date of substantial completion. The City shall give notice of observed defects with reasonable promptness.

2.41 - Final Inspection. The Engineer shall make final inspection of all work included in the contract or any portion thereof.

LEGAL RELATION AND RESPONSIBILITY TO THE PUBLIC

2.42 - Laws to be Observed. The Contractor shall keep fully informed of all Federal and State Laws, all local laws, ordinances, safety codes, regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. He shall at all times observe and comply with all such laws, ordinances, safety codes, regulations, orders, and decrees; and shall protect and indemnify the City and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, safety code, regulation, order, or decree, whether by himself or by his employees.

2.43 - Permits and Licenses. The Contractor shall procure all permits and licenses, pay all charges or fees, and give all notices necessary for the lawful prosecution of the work. When the Contractor has filed a contract with the City, the City agrees to waive all incidental permits and fees.

2.44 - 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.

2.45 - Sanitary Provisions. All sanitary laws and regulations of the City and of the state of Oklahoma shall be strictly complied with.

2.46 - 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. Detours and routes are to be furnished by the City, or such will be set forth in proposal as a bid item. 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 boxes 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, save in cases 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 moneys 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.

When the Contractor is required to construct temporary culverts or bridges or make other arrangements for crossing over ditches or streams, his responsibility for accidents shall include the roadway approaches as well as the structures of such crossings.

2.47 - 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 delay in the construction. Excavated and waste materials shall be piled or stacked in such a way as not to interfere with space that may be designated to be left free and unobstructed, nor

inconvenience occupants of adjoining property. 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.

2.48 - Railway Crossings. When the work encroaches upon the right-of-way of any railway, the City will secure for the Contractor all the necessary contracts, easement, or authority to enter upon such right-of-way for the prosecution and completion of the work. Where railway tracks are to be crossed, the railway company, if it elects to do so, will construct the necessary bridges, trestles, cribs, or other structures for the safe operation of trains or cars across any excavation during the time of construction of the work, and the cost of construction of such bridges, trestles, cribs, or other structures shall be paid to the railway company by the Contractor. The price shall be the stated allowance as shown in the bid proposal. The Contractor shall take such special precautions for the safety of the work and the traveling public as may be necessary by sheeting, bracing, and thoroughly supporting the sides of any excavation and supporting and protecting any adjacent structures.

2.49 - Protection of the Public and of the Work. The Contractor shall continuously maintain reasonable protection of all work from damage, and shall take all reasonable precautions to protect the Owner's property from injury or loss arising in connection with this Contract. He shall make good any damage, injury or loss to his work and to the property of the Owner resulting from lack of reasonable protective precautions, except such as may be due to errors in the Contract Documents or caused by agents or employees of the Owner. He shall reasonably protect adjacent private and public property as required by Law and the Contract Documents.

The Contractor will be held responsible for all damage to the work due to failure of barricades, signs, light, and watchmen to protect it, and whenever evidence of such damage is found prior to acceptance, 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 of the maintenance of barricades, signs, and lights and for providing watchmen shall not cease until the project shall have been accepted by the City.

2.50 - Use of Explosives. Should the Contractor elect to use explosives to loosen rock or for any other purpose in the prosecution of the work, he shall obtain the required permits and the written permission of the Engineer before any blasting is done, but neither the issuance of said permits, the granting of said permission nor any other act, requirements, or condition contained in these specifications, nor any order, direction, or approval given by the Engineer or any other official or employee of the City shall be construed as requiring or directing the use of any explosive or as accepting any liability for any injury or damage to persons or property resulting from such usage. No blasting shall be done unless an Inspector is present and the Contractor shall notify the City Building Department when he is ready to begin any blasting work.

All necessary precautions shall be taken by the Contractor as required by the ordinances of the City or the laws of the state of Oklahoma relative to blasting and the necessary provisions shall be made for the protection of the new work and all blasting shall be so conducted as not to endanger persons or property. Only sufficient quantity of explosives necessary for the immediate day's work shall be kept on hand by the Contractor. Storage of caps, exploders, and explosives shall be done strictly in compliance with the orders of the Engineer and the ordinances of the City.

The Contractor shall be responsible for and shall make good any damage caused by blasting or accidental explosions.

The Contractor shall notify the proper representatives of any public service corporation not less than eight (8) hours in advance of any blasting which might cause damage to their property along or adjacent to the work. Wherever explosives are stored, they shall be kept in a safe, secure manner and all storage places shall be plainly marked "Dangerous Explosives", and shall be under the care of a competent watchman at all times.

2.51 - 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, pavement 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. 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 or 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 moneys due or to become due the Contractor under his contract.

2.52 - 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 markers from any moneys due or to become due the Contractor.

2.53 - Responsibility for Damage Claims. The Contractor and his surety shall defend, indemnify, and save harmless the City and/or 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, 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 damage as aforesaid shall have been finally settled and satisfactory evidence to that effect furnished to the City.

2.54 - 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 account, receipts, vouchers, bills of lading, and other books or papers containing any evidence as to the 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.

2.55 - 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 premises 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 premises 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.

2.56 - Temporary Sewer and Drain Connections. When existing sewers must 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 the rains, 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, pipe, 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 existing sewers and connection 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 so that no nuisance is created and that the work under construction will be adequately protected.

2.57 - Arrangement and Charge for Water Furnished by the City. If the Contractor desires to use City water, he shall pay the rate established by City ordinance for such service and he shall make complete and satisfactory arrangements with the City Water Department for so doing. Meters will be used and the Contractor shall deposit the cost of the water meter with the Water Department and will pay for all repairs and maintenance of the meter for the period which he has the meter in use or in his possession.

2.58 - 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 the City, unless duly authorized to do so by the Water Department.

2.59 - Contractor's Responsibility for the Work. Until final written acceptance of the project by the Engineer, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to un-foreseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God, of the public enemy or governmental authorities.

2.60 - 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 to the Contractor, its agents, employees, subcontractors, or independent contractors upon the Engineer or his authorized assistants, either in person or as officials of the City, it being understood that in such matters he acts as the agent and representative of the City.

2.61 - Waiver of Legal Rights. Inspection by the Engineer or by any of his duly authorized representatives or any order, measurement, or certificate by the Engineer, of any work or any extension of time or any possession taken by the City, shall not operate as a waiver of any provisions 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 correct any error that may be discovered in any estimate that may have been paid and to adjust the same to meet the requirements of the contract and specifications. 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.

2.62 - 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.

2.63 - Compensation and Death Liability Insurance. The Contractor shall maintain and provide to the City evidence of maintenance during the life of this contract Workmen's Compensation Insurance as prescribed by the laws of the state of Oklahoma and Employer's Liability Insurance in an amount not less than One Hundred Thousand Dollars (\$100,000.00) 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 Liability Insurance for all the latter's employees, unless such employees are covered by the protection afforded by the Contractor. In the event any class of employees engaged in hazardous work performed under this contract at the site of the project is not protected under this 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.

2.64 - Public Liability and Property Damage Insurance.

A. Contractor's Insurance

1. The Contractor and/or Sub-contractor shall maintain during the life of this contract such Public Liability and Property Damage Insurance as will protect him from claims for damages for bodily injury, including accidental death, as well as from claims from property damages, which may arise from operations under this contract, whether such operations be by himself or by his sub-contractor or by anyone directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:
2. Bodily Injury Liability in the amount of not less than \$500,000.00 for injuries including accidental death, to any one person, and subject to the same limit for each person, in an amount not less than \$1,000,000.00 for one accident.
3. Property Damage Liability. Limits shall be carried in the amounts of not less than \$100,000.00 for any one accident and an aggregate limit of \$1,000,000.00.

B. Owner's Insurance

1. Contractor shall provide Owner's Protective Liability Insurance with this City as the name insured, and the architects/engineers as additional insured, to protect the City and architects/engineers against claims arising out of operations of contractors and other independent contractors, as well as omissions of supervisory acts of the City and architects/engineers in connection with the performance of the contract covered by these specifications in the following minimum amounts:
2. Bodily Injury Liability in an amount not less than \$500,000.00 for injuries, including accidental death, to any one person, and subject to the same limit for each person, and an amount not less than \$1,000,000.00 for one accident.
3. Property Damage Liability. Limits shall be carried in the amounts of not less than \$100,000.00 for any one accident an aggregate limit of \$1,000,000.00

C. The policies of insurance shall be executed by an insurance or indemnity carrier authorized to do business in the state of Oklahoma.

D. Before awarding a contract, the City will be furnished a binder or certificate of insurance showing the coverage to be in effect.

2.65 - Proof and Carriage of Insurance. The Contractor shall furnish the City with satisfactory proof of carriage of the insurance required.

2.66 - Transportation Tax. Under provisions of Section 3475(b) of the Internal Revenue Code, as amended, the state of Oklahoma, its agencies and political subdivisions are exempt from payment of the transportation tax levied by Sub-Section (a) of Section 3475, in either of the following cases:

- A. When the property (equipment, goods, materials, etc.) is consigned to the State, its agencies, or political subdivisions, or
- B. When such property is consigned to the State, its agency or political sub-division in care of the Contractor.

If it is the policy of the City to take advantage of the savings afforded by the above-mentioned exemption, the Contractor agrees to comply with the following:

In determining the cost of material and computing freight charges do not include Federal transportation of property tax. Section 3475(b) of the Internal Revenue Code, as amended, exempts the City from this tax. The successful bidder will be furnished an appropriate exemption certificate form by the contracting authority, and will be authorized to have all shipments of construction materials and equipment entering into this contract consigned to the City in care of himself, thereby enabling him to take advantage of the above-mentioned exemption.

NOTE: Said exemption will not apply to shipments of fuel, lubricants, spare parts or items of construction equipment belonging to the Contractor which will not be incorporated in the construction project and which will not become the property of the City.

2.67 - Third Party Liability. It is specifically agreed between the parties executing this contract that it is not intended by any of the provisions of any part of the contract to create the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injury or property damage pursuant to the terms or provisions of this contract. The duties, obligations, and responsibilities of the parties to this contract with respect to third parties shall remain as imposed by law.

PROSECUTION AND PROGRESS

2.68 - Subletting of Work. The City will not recognize any subcontractor 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.

2.69 - 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 of Bethany 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 of his right, title or interest therein or any part thereof to any person or persons, partnership, company, 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 moneys 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.

2.70 - 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, 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. 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.

2.71 - Limitation 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 section on which work is in progress before the work is started on any additional section.

2.72 - 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, then the Engineer may withhold all estimates which are or may become due or may suspend 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 in these 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 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. The low bidder must submit a list of all equipment owned by the Contractor. 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 a 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.

2.73 - Day's Work. Contractor shall observe all state laws and City ordinances governing the hours of work.

2.74 - 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 be made in the manner hereinafter specified.

2.75 - 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 of Bethany. In adjusting the contract time for the completion of the projects, 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 amount 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.

2.76 - Failure to Complete Work on Time. The time of completion is of the essence to 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 increase 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 moneys due the Contractor, not as a penalty but as liquidated damages.

<u>Amount of Contract</u>	<u>Amount of Liquidated Damages Per Day</u>
Less than \$5,000.00	\$50.00
\$5,000.00 and less than \$15,000.00	\$75.00
\$15,000.00 and less than \$25,000.00	\$100.00
\$25,000.00 and less than \$50,000.00	\$150.00
\$50,000.00 and less than \$100,000.00	\$200.00
\$100,000.00 and over	\$300.00

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.

2.77 - 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.

2.78 - The Owner's Right to Terminate Contract. If the Contractor should file or have filed against a petition in bankruptcy, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed as a result of his insolvency, or if he should be guilty of a substantial violation of the contract as determined by the Engineer, then the Owner, upon the Certificate of the Engineer that sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor and his Surety seven (7) days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, equipment and other facilities installed on the work and paid for by the Owner, and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as herein provided, and the damage incurred through the Contractor's default shall be certified by the Engineer.

2.79 - 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 made by the City.

PAYMENT

2.80 - Payment for Extra Work. The extra work done by the Contractor, as authorized and approved by the Engineer and the City of Bethany, will be paid for in the manner hereinafter described and the compensation thus provided shall be accepted by the Contractor as payment in full and for all labor, materials, tools, equipment and incidentals, and all superintendents' and timekeepers' 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 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 the City before said work is commenced, subject to all other conditions of the contract.
- C. The hours and rates of labor and equipment and costs of materials used each day shall be submitted to the Engineer in a satisfactory form on the succeeding day and shall be approved by him or adjusted at once.

Payment for extra work is to be handled in the same manner as regular progress payments. The Contractor shall, on or before the 10th day 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.

2.81 - Partial Payment. Each month, the Engineer shall prepare and deliver to the City a statement showing as completely as practicable the total value of all work done by the

Contractor up to and including the first day of the preceding month. This statement shall also include the value of all materials which meet the requirements of the specifications which have been delivered to and remain unused at the site of the work, and the quantity of which is within that needed for the completion of the work.

2.82 - Final Completion and Acceptance. Within thirty (30) days after the Contractor has given the Engineer and the City written notice that the work has been completed or substantially completed in accordance with the plans and specifications, the Engineer shall issue to the City and to the Contractor his Certificate of Completion or in the case of substantial completion, the Engineer shall issue his Certificate of Substantial Completion; and thereupon it shall be mandatory that the City within thirty (30) days issue a Certificate of Acceptance of the work to the Contractor. The time duration of any post-completion warranties made under the terms of this contract shall extend from the date of the Certificate of Acceptance by the Engineer.

2.83 - Final Payment. On or before the 10th day after the date of the certificate of completion or the Certificate of Substantial completion, the Engineer shall have made final measurements and shall have prepared a final statement of the value of all the work performed and materials furnished under the terms of this agreement, and shall have certified the final statement of the City and to the Contractor. The entire balance found to be due the Contractor, including the retained percentage, less a retention based on the Engineer's estimate of the fair value of the claims against the Contractor and the cost of completing the incomplete or unsatisfactory items of work with specified amounts for each incomplete or defective item of work, is due and payable on or before the 15th day after the date of the Certificate of Completion or Certificate of Substantial Completion, subject to the procedure adopted by the City for processing claims.

Before issuance of final payment, the Contractor shall furnish to the Engineer and to the City, a sworn statement that he has paid for all of the materials, labor, equipment rentals, sub-contracts, and other expenses that form a part of this work, provided, however, that if he has contracts with any of the above which require payment only after receipt of payment from the City, such sworn statement shall except such obligations. Any materialmen, suppliers, equipment dealers, or sub-contractors who have not been paid in full shall be listed upon the sworn statement, showing the name and address, kind and amount of work done or material supplied, and the balance remaining due to such sub-contractor or supplier.

The City, upon receipt of a schedule showing that all the bills have not been paid as provided herein, may either hold the funds until such bills have been paid by the Contractor, or issue payment jointly to the Contractor and supplier or sub-contractor, as shown on said schedule.

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 or connected with the contract.

2.84 - Hourly Wage Rate. Not less than the prevailing hourly rate of wages as established by the Commissioner of Labor and filed with the Secretary of State, a copy of which shall be attached hereto and made a part hereof (if applicable), shall be paid to any workmen employed on this project.

SPECIAL PROVISIONS

SPECIAL PROVISIONS

GENERAL

This project consists of furnishing labor and materials and related incidental work required to make improvements to **PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET FOR THE CITY OF BETHANY, OKLAHOMA**. The bid schedule contains further information identifying the work to be completed. Each particular item of work is described in some detail in the specifications. Throughout the specifications, types of materials may be specified by manufacturer's name or catalog number in order to establish standards of quality and performance and not for the purpose of limiting competition. Unless specifically stated otherwise, the Bidder may assume the phrase "or approved equal", except that the burden is on the bidder to prove such equality. If the bidder elects to do this, he must request the Engineer's approval in writing to substitute such items for the specified item, stating the cost difference involved with supporting data, and samples, if required, to permit a fair evaluation of the proposed substitute with respect to quality, serviceability, warranty, and cost. All materials shall be new, unless specifically approved by the Engineer in writing.

PROJECT DURATION

The work shall be commenced ten (10) days from the date on which a Work Order is issued and completed with a 90 calendar days. Liquidated damages shall begin after this date. Amount of liquid damages is stated in the General Provisions.

THE CONTRACTOR FOR THIS PROJECT WILL BE REQUIRED TO COORDINATE WITH ANOTHER PAVING CONTRACTOR THAT WILL REPLACE THE ROADWAY BETWEEN NW 25TH STREET TO NW 30TH STREET UPON COMPLETION OF THE FORCE MAIN BEING INSTALLED.

INSURANCE

The Contractor shall purchase and maintain insurance in accordance with the General Provisions.

LAWS AND ORDINANCES

- A. All work performed under this contract shall be in full accordance with the laws and ordinances pertinent to such work. In case of any conflict wherein the methods or standards of installation or materials specified do not equal or exceed the requirements of the laws or ordinances, the laws or ordinances shall govern. All items required by the laws or ordinances but not specified or shown on the drawings shall be furnished without extra charge as if shown on specifications, plans and drawings.
- B. The words "laws and ordinances" as used herein shall mean all local, state, or national codes, laws, ordinances, standards, rules, or regulations of any nature which are in any way pertinent to, or regulatory over, the work covered by this section of the specifications.

TESTING

All tests shall be in accordance with the General Provisions and Standard Specifications. Costs of all tests on materials which meet specifications shall be borne by the City. Costs of all tests on materials which do not meet specifications shall be borne by the Contractor.

INTERPRETATION OF PLANS AND SPECIFICATIONS

The plans, 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 on 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, and request in writing an interpretation thereof by the Engineer at least five days before incurring any expense thereunder. Failure to so request shall be a complete defense to and waiver of any claim for damages by the Contractor.

RIGHTS-OF-WAY

The necessary rights-of-way for the structures will be provided by the City. The Contractor shall confine his construction operations to the immediate vicinity of the location shown on the plans and shall use care in placing construction tools, equipment, excavated materials, pipeline materials, and supplies so as to cause the least possible damage to property and interference with traffic. The placing of such tools, equipment, and materials shall be subject to the approval of the Engineer.

Any additional temporary construction right-of-way required shall be obtained by the City. The additional temporary right-of-way must be obtained prior to entering upon the property and doing any work.

FIELD CHECK OF EXISTING STRUCTURES

It shall be the responsibility of the Contractor to check all dimensions and elevations of existing structures, pipelines, equipment, or other existing items affected by or affecting the work under this contract. This shall be done prior to the start of construction or ordering of materials and equipment affected thereby.

The Contractor's attention is directed to the Information for Bidders which requires that each bidder visit the site of the work to familiarize himself with the arrangement and condition of existing construction.

The Contractor shall be solely responsible for determining the extent and costs of all removal and salvage operations. Any delay or extra expense to the Contractor due to encountering

construction, piping, or equipment not shown or in locations different from those indicated on the plans shall not constitute a claim for extra work, additional payment, or damages.

PROTECTION OF PUBLIC AND PRIVATE PROPERTY

The Contractor shall protect, shore, brace, support, and maintain all underground pipes, conduits, drains, and other underground construction uncovered or otherwise affected by the construction work performed by him. All pavement, surfacing, driveway, curbs, walks, buildings, utility poles, guy wires, fences, and other surface structures affected by construction operations, together with all sod and shrubs in yards and parking areas, shall be restored to their original condition as determined and approved by the Engineer, whether within or outside the Owner's right-of-way. All replacements shall be made with new materials. The Contractor shall be responsible for all damage to streets, roads, highways, shoulders, ditches, embankments, culverts, bridges, and other public or private property, regardless of location or character, which may be caused by transporting equipment, materials, or men to or from the work or any part of it thereof, whether by him or his subcontractors. The Contractor shall make satisfactory and acceptable arrangements with the owner of, or the agency or authority having jurisdiction over, the damaged property concerning its repair or replacement, or payment of costs incurred in connection with the damage.

WATER

All water that is required in connection with the work to be done under this Contract will be furnished in the vicinity of the site, by the Owner, provided:

- A. The Contractor shall procure such water in the location and in the manner designated by the Engineer.
- B. The Contractor at his own expense shall make authorized connections and provide means for delivering the water to the work site.
- C. The Contractor shall pay the established rate in accordance with the General Provisions if required by the City.

CONNECTIONS WITH EXISTING PIPELINES

Where connections are made between new work and existing pipelines, such connections shall be made in a thorough and workmanlike manner and to the satisfaction of the Engineer. Each connection with an existing water line shall be made at a time and under conditions as authorized by the Owner. Suitable facilities shall be provided for proper dewatering, drainage, and disposal of all water removed from the dewatered lines and excavations without damage to adjacent property. Water main installation specifications adopted by the City are included or referenced in the specifications for use in this project as applicable.

ELECTRIC SERVICE FOR CONSTRUCTION

Construction power may be obtained from the City facilities at points where service is available. Approval of points of connections, size of loads that can be connected at connection points, and type of connection shall be obtained from the Engineer and Public Works Superintendent. The

Contractor, at his sole expense, will provide any additional electrical distribution to any point in the project area where electrical power is required beyond the points where electrical power is available and provided by the Owner. The Contractor will reimburse the City for such electrical service in accordance with a negotiated schedule if required by the City.

QUALIFICATION REQUIREMENTS

Contractor must be listed by the City of Oklahoma City Contractor's Prequalification Board as Pre-qualified in the area of Wastewater Contractor "B" under the provisions of the City of Oklahoma City Ordinance No. 26,614.

The Contractor shall keep on the work during its progress a competent, qualified general superintendent and any necessary assistants, all satisfactory to the City and the Engineer. The General Superintendent shall not be changed without consent of the City and the Engineer unless he proves to be unsatisfactory to the Contractor and ceases to be in his employ. The General Superintendent shall represent the Contractor in his absence, and shall have complete authority to make decisions requiring immediate action. All directions given to him by the Engineer shall be as binding as if given to the Contractor. Important directions shall be confirmed in writing to the Contractor. Other directions shall be so confirmed on written request in each case. The General Superintendent shall coordinate the work of the subcontractors and be responsible for all their activities. The Contractor shall give efficient supervision to the work, using his best skill and attention. He shall carefully study and compare all drawings, specifications, and other instructions, and shall report at once to the Engineer any error, inconsistency, or omission which he may discover.

PROJECT LOCATION

As shown on the construction plan project location map.

QUANTITY

The City of Bethany, Oklahoma does not guarantee any specific quantities of items. All listed quantities are estimated only. Claims will be processed to cover work as it is completed during the contract period. Bids are to establish unit prices only.

AMOUNT

This contract will be awarded for the base bid amount.

MATERIALS

1. All materials must meet the requirements as stated on the construction plans.

BASIS OF PAYMENT

Payment for items will be as shown in the detailed proposal.

AWARD OF CONTRACT

Award of contract shall be to the lowest and best total bid.

APPROVAL OF MATERIALS

Immediately after the contract is signed and before ordering materials, the Contractor shall make written request to the Engineer for and obtain his approval of the use of any materials, construction, etc., other than those mentioned as standard in the specifications or so indicated on the drawings and obtain his approval of materials, construction, etc., proposed for use when "approved" materials or work are specified without mentioning any standard by name.

The terms "approved" or "approved equal" shall mean approved by the Engineer. Approval shall be based on performance specifications, availability of fully manned maintenance facilities within 100 miles of the site, and manufacturer's experience as further specified herein. Manufacturers must have at least five (5) years experience with five (5) functionally satisfactorily completed systems in this state unless otherwise specified. Sub-contractors and suppliers shall make all requests for approval through the Contractor.

Whenever a material or article is specified or described by using the name of a proprietary product or the name of a particular manufacturer or vendor, the specific item mentioned shall be understood as establishing the type, function, and quality desired. Other manufacturers' products will be accepted, provided sufficient information is submitted to allow the Engineer to determine that the proposed products are equivalent to those named. Such items shall be submitted for approval by the procedure set forth in the General Provisions. The words "or equal", although possibly not indicated after each proprietary specification, are implied as a result of the preceding statements in this paragraph.

INSTALLATION OF EQUIPMENT

- A. The Contractor shall be responsible for the installation, including the foundations, of all equipment, operating under the technical supervision of the manufacturer's representatives to the extent that supervision has been stipulated or is advisable to obtain proper results. All equipment not under the manufacturer's supervision of erection shall be installed in strict accordance with the manufacturer's instructions. The cost of all technical supervision shall be borne by the Contractor.
- B. Utmost care shall be used in the installation of all equipment to ascertain that no item of equipment is under any strain due to piping connections or for any other reason and that all equipment is placed in true alignment.
- C. If the Contractor furnishes equipment which will not fit or adapt itself to the structures as laid out, then all necessary structural changes or additions required by the Engineer shall be made at the Contractor's expense. The Engineer's decision as to any changes or additions to the structures, in order that the equipment will function properly or for its proper installation and economical use, will be final and conclusive.

OPERATING DATA AND PROCEDURES INFORMATION

Prior to final acceptance of the project, the Contractor shall furnish the Engineer with four (4) copies of catalogs, parts lists, a recommended spare parts list, operation and maintenance instructions and any other pertinent and useful information for all major items of equipment. This information and data will be incorporated into an instruction manual for future reference covering the operation and maintenance of the facility.

GUARANTEE

The Contractor shall guarantee the work for the length of time as set forth below and shall leave the work in acceptable condition. Neither the final certificate nor payment nor any provisions in the contract documents shall relieve him of responsibility for negligence or faulty materials or workmanship within the extent and period provided; and upon written notice from the Engineer or the Owner, he shall remedy any defects due thereto and pay all expenses for any damages to other work resulting therefrom.

A Maintenance Bond will be required for all improvements, for a period of one (1) year from the date of final acceptance of the project by the City. Said bond shall be in the sum equal to one hundred percent (100%) of the Contract Price for the first year and fifteen percent (15%) for every year thereafter.

CLEAN-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 fashion as close as possible to its original condition. Waste materials removed from the site of the work shall be disposed of at locations satisfactory to the Engineer.

Immediately before final acceptance of the work as a whole, the Contractor shall clean all buildings, structures, etc., of all foreign matter. All brick, stone, metal or concrete surfaces shall be cleaned of all mortar, splashed concrete, stains, etc., and left in a neat, clean, workmanlike manner, to the satisfaction of the Engineer.

REMOVAL OF EQUIPMENT

All equipment designated for removal under this contract shall be transported to a location designated by the Engineer.

MATERIALS AND WORKMANSHIP

All materials shall be new, of the best grade of their respective kinds, free from all defects, and of the quality specified. The Contractor shall not start delivery of materials until the Engineer has approved the source of supply. Only materials conforming to the requirements of the City 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 City. 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 with dirt or any other foreign substances during its delivery and handling shall not be used in the work.

The workmanship shall be in all respects of the highest grade, and all construction shall be done by skilled technicians according to the best practice of the trade. All interface measurements and connections shall be the sole responsibility of the Contractor.

In general, all labor, material, equipment, operations, and procedures in these specifications shall be in conformance with the American Water Works Association Standards and Oklahoma

State Health Department Standards for Construction of Water and Sanitary Sewer Lines. These specifications are intended to supplement these standards to fit the needs or conditions expected to be encountered. The A.W.W.A. and Oklahoma Department of Environmental Quality Standards shall be considered as part of these specifications and shall be in effect with respect to this project.

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 work.

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 the 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 shall, after giving written notice to the Contractor, 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 in-expedient to correct work injured or done not in accordance with the contract, an equitable deduction from the contract price shall be made therefore.

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 of 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, which shall appear within a period of one year from the date of substantial completion. The City shall give notice of observed defects with reasonable promptness.

MEASUREMENT AND PAYMENT

The method of measurement and basis of payment for each item shall be as stipulated in the Proposal and include work sheets specified.

Percentage of work completed shall be indicated for each pay item.

The Contractor or his authorized representative at the end of each work day or as otherwise approved by the Engineer, shall establish and agree upon, with the inspector, the amount of those quantities which cannot be measured when the job is completed. These quantities are to be entered in the inspector's daily report and shall be the basis for the final estimate.

WAGE RATES

Davis-Bacon wage rates apply for this project.

PRE-BIDDING INSPECTION OF SITE

Contractor shall visit the City of Bethany and familiarize himself with all conditions affecting his work and include in his bid an amount sufficient to cover all work.

BID REJECTION

The City of Bethany reserves the right to reject any part of the bid or reject all bids.

RETAINAGE

Pursuant to paragraphs 2 and 3 of the contract, the retainage will be 5% for the project.

REMOVE AND REPLACE FENCES

If it is necessary for the Contractor to remove and replace fences at certain locations along the construction alignment, all fences that are moved or disturbed by construction operations shall be replaced or repaired in place in their original condition as soon as possible after the construction is completed. The cost of removal and replacement of fences shall be included in the cost for other pay items or included in the lump sum bid price.

BARRICADES AND WARNING SIGNS

Where work is carried on in or adjacent to any street, alley, or public place, the Contractor shall, at his own expense, furnish and erect such barricades, fences, lights and danger signals; shall provide such watchmen and take such other precautionary measures for the protection of persons or property and of the work as are necessary. Barricades shall be renewed as often as necessary to keep the work substantially covered. From sunset to sunrise, the Contractor shall furnish and maintain at least one (1) light at each barricade. A sufficient number of barricades shall be erected to keep vehicles from being driven on or into any work under construction. The Contractor shall furnish watchmen in sufficient numbers to protect any new work. Failure to comply with these requirements will result in the Engineer shutting down the work until the Contractor shall have provided the necessary protection.

PROTECTION OF EXISTING STRUCTURES

The Contractor shall provide all necessary sheeting, shoring, and other bracing and supports to protect improvements adjacent to the construction. This work shall be incidental and shall not be paid for separately but shall be included in the unit price bid for other items.

TREE REMOVAL

All trees lying within the temporary construction easement area or private property shall not be removed or damaged. Any damage to trees resulting from construction activities will be the responsibility of the Contractor.

SUB-SURFACE CONDITIONS

No additional payments will be made for the excavation of sandstone or shale encountered in trench excavations. When the foundation is hard material, the hard material shall be removed to a depth not less than six (6) inches below grade. The material removed below grade shall be

replaced with Crushed Rock Cradle material thoroughly compacted in place to the Finish Grade Elevation.

NOTE: The Contractor shall satisfy himself to the condition of the subsurface and shall include cost for any difficulties in bid price of other items.

LAYOUT OF WORK AND SURVEYS

- A. The Engineer will establish control points at the site of the work.
- B. From the control points established by the Engineer, the Contractor shall complete the layout of the work and shall be responsible for all measurements that may be required for the execution of the work to the location and limit marks prescribed in the specifications or on the contract drawings, subject to such modifications as the Engineer may require to meet changed conditions or as a result of necessary modifications to the contract work.
- C. The Contractor shall furnish at his own expense, such stakes, templates, platforms, equipment, tools and materials, and all labor as may be required in laying out any part of the work from the control points established by the Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other marks established by the Engineer until authorized to remove them. If such marks are destroyed by the Contractor or through his negligence removed or altered prior to their authorized removal, they may be replaced by the Engineer, at his discretion, and the expense of replacement will be charged to the Contractor. The Engineer may require that work be suspended at any time when location and limit marks established by the Contractor are not reasonably adequate to permit checking of work.

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, pavement, driveways, sidewalks, etc., to all water, sewer, gas or electric lines, or appurtenance 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, and 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 or 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 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.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

Technical specifications for all material, equipment and methods of construction shall conform to the City of Oklahoma City Standard Specifications for Construction of Public Improvements.

TRAFFIC CONTROL

All traffic control shall be installed in accordance with the latest edition of the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD).

CONTRACT AND BONDS

CONSTRUCTION CONTRACT

This Contract is made and entered into on the ___ day of _____, 20___, by and between the City of Bethany, an Oklahoma Municipal Corporation, hereinafter called "City," and _____ a(n) _____, hereinafter called "Contractor."

WITNESSETH:

WHEREAS, in accordance with the Charter of the City of Bethany and the Public Competitive Bidding act of 1974, 61 Okla. Stat. §§ 101 et seq. (hereinafter collectively referred to as "local and state law"), the City has caused to be prepared certain plans, specifications, and other bidding documents (the "Bidding Documents") for the work hereinafter described; and,

WHEREAS, in accordance with local and state law, the City has approved and adopted all of said Bidding Documents and has caused a Solicitation for Bids to be given and advertised and has received sealed bids for the furnishing of all labor and materials for:

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET**

as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of this Contract; and,

WHEREAS, Contractor, in response to said Solicitation for Bids, has submitted to the City, in the manner and at the time specified, a sealed bid in accordance with the terms of the Bidding Documents; and,

WHEREAS, the City, in the manner provided by local and state law, has publicly opened, examined and canvassed the bids submitted and has determined and declared the above-named Contractor to be the lowest responsible bidder on the above-described project; and,

WHEREAS, the City has duly awarded this Contract to said Contractor, for the sum named in the bid, to-wit:

_____ and ___/100 Dollars (\$_____).

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein stated and in consideration of the mutual benefits, which will accrue to the parties, the sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. Incorporation of Bidding Documents. This Contract hereby incorporates, as if fully set out herein, the Plans, Specifications, General Provisions, Special Provisions, Contractor's Proposal and any and all Addendums issued. All of these documents have been provided to and/or by the Contractor and are on file in the Office of the City Clerk of the City of Bethany. Hereinafter, these documents shall be collectively referred to as "Bidding Documents."
2. Engagement of Contractor. The City hereby engages Contractor to perform certain construction services for the benefit of the City. Contractor accepts such engagement pursuant to the terms and conditions set forth herein. The Contractor is, and shall be, in the performance of all work, services

and activities an independent contractor, and not an employee, agent, or servant of the City of Bethany. The tort liability of the City of Bethany is exclusively governed by the Oklahoma Governmental Tort Claims Act.

3. Scope of Engagement. Contractor shall, in a good and first-class, workmanlike manner, at its own cost and expense, furnish all labor, materials, tools and equipment required to perform and complete said work in strict accordance with the Bidding Documents, with the following additions and/or exceptions: (if none, so state.)
4. Payments to Contractor. The City shall make payments to the Contractor only after approval of the City Council. Contractor's invoice must be accompanied by signed affidavit as required by Oklahoma Statutes.
5. Bargaining. The City and the Contractor have had the opportunity to seek independent legal counsel before entering into this Contract. The language of this Contract shall be construed simply, according to its fair meaning, and not strictly for or against either party.
6. Hold Harmless. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City of Bethany from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the project, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, other than the project itself, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Paragraph. In claims against any person or entity indemnified under this Paragraph by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph shall not be limited on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workmen's compensation acts.
7. Third Party Beneficiaries. Nothing in this Contract, expressed or implied, is intended to confer upon any person other than the parties hereto and their respective assigns, any rights or remedies under or by reason of this Contract, except as provided expressly herein.

8. Notices. Whenever a notice is required to be given in writing and under the terms of this Contract, or any extension hereunder, such notice shall either be hand-delivered or mailed by certified mail, return receipt requested, and directed to the respective parties at the following addresses:

If to the City:

City of Bethany
6700 NW 36th Street
Bethany, OK 73008

If to Contractor:

or at such other address as a party shall specify by like notice to the other party hereto. Notices shall be effective on the date of delivery.

9. Counterparts. This Contract may be executed in any number of counterparts, and when each party has signed and delivered to the other at least one (1) such counterpart, each counterpart shall be deemed an original, and when taken together with other signed counterparts, shall constitute one (1) agreement; provided, however, this Contract shall not be binding upon the parties hereto until signed by all of the parties.
10. Integration and Amendments. This Contract constitutes the entire agreement between the parties and may not be amended, altered, modified or changed in any way except in writing signed by all parties to this Contract and which specifically references this Contract. There are no other agreements, representations or warranties, whether oral or written, regarding the subject matter of this Contract. No course of dealings involving the parties hereto and no usage of trade shall be relevant or admissible to interpret, supplement, explain or in any way vary any of the terms expressly set forth in this Contract. Any amendment to this Contract shall be attached to this Contract and all of the terms in this Contract not addressed in the amendment shall remain in full force and effect.
11. Binding Effect. This Contract binds the parties and any successors and assigns of the parties. The contract becomes effective only upon submission of a signed and notarized non-collusion affidavit.
12. Severability. If any one or more of the sections, sentences, clauses, or parts be held invalid for any reason, the invalidity of such section, sentence, clause, or part shall not affect nor prejudice the applicability and validity of any other provision of this Contract.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed on the day and year last written below.

The City of Bethany,
an Oklahoma Municipal Corporation

Mayor's Signature

Date

(SEAL)

ATTEST:

City Clerk

Approved as to form:

City Attorney

Date: _____

Contractor

a(n) _____

Signature

Printed Name

Title

ATTEST:

Secretary and/or Witness

NON-COLLUSION AFFIDAVIT

State of Oklahoma)
) ss.
County of _____)

_____, of lawful age, being first duly sworn, on oath, says that (s)he is the agent authorized by the Contractor to submit the above Contract to the City of Bethany, Oklahoma. 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 valuable thing, either directly or indirectly, in the procuring of this Contract.

Signature

Printed Name/Title

Subscribed and sworn to before me this _____ day of _____, _____.

(SEAL)

Notary Public

My Commission Expires: _____
My Commission Number: _____

CONSTRUCTION BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and
_____, as Surety, are held
and firmly bound unto the CITY OF BETHANY of the State of Oklahoma and the State of
Oklahoma, hereinafter referred to as the Government, in the full and just sum Of

_____ for the payment of which, well and truly to
be made, we and each of us, bind ourselves, our heirs, executors and assigns, themselves, and
its successors and assigns, jointly and severally, firmly by these presents.

Dated this ____ day of _____, A.D., 20_____.

The conditions of this obligation are such, that whereas, said Principal is the lowest and
best bidder for the making of the following municipal work and improvement, viz:

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the ____ day of
_____, 20____, for the erection and construction of said work and
improvement all in compliance with the plans and specifications therefor, made a part of said
contract and on file in the office of the City Clerk, and said contract is hereby made a part and
parcel of this bond as if literally written herein.

NOW, THEREFORE, if the said Principal, _____ shall fully and faithfully execute the work and perform said contract according to its terms, conditions and covenants, and in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of THE CITY OF BETHANY and shall promptly pay or cause to be paid, all labor, material and/or repairs and all bids for labor performed on said work, whether by sub-contract or otherwise; and shall protect and save harmless the said Government and all interested property owners against all claims, demands, causes of action, losses or damage, and expense to life or property suffered or sustained by any person, firm or corporation by reason of negligence of the Principal or his or its agents, servants, or employees in the construction of said work, or by or in consequence of any improper execution of the work or act of omission or use of inferior materials by said Principal, or his or its agents, servants, or employees; and shall protect and save the Government harmless from all suits and claims of infringement or alleged infringement of patent rights or processes, then this obligation shall be void. Otherwise this obligation shall 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.

ATTEST:

Secretary

By Principal

ATTEST:

Secretary

By Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma, in the full and just sum of _____, such sum being equal to the contract amount for a period of one (1) year and thereafter for a period of one (1) year for the sum of _____, such sum being not less than 15% of the contract price, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this ____ day of _____, A.D., 20____.

The conditions of this obligation are such, that whereas, said Principal, has a certain contract between _____ and the CITY OF BETHANY dated this ____ day of _____, 20____, agreed to construct in the City of Bethany:

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA**

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the City Clerk of the City of Bethany; and to maintain the said improvement in the amounts set forth above against any failure due to workmanship or material for a period of **two (2) year** from the date of acceptance of the completed project by the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal shall pay or cause to be paid to the Authority all damage, loss, and expense which may result by reason of defective materials and/or workmanship in connection with said work, occurring within a period of **two (2) years** from and after acceptance of said project by the Authority; and if Principal shall pay or cause to be paid all labor and materials, including the prime contractor and all sub-contractors; and if Principal shall save and hold the Authority harmless from all damages, loss, and expense occasioned by or resulting from any failure whatsoever of said Principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further agreed that if the said Principal or Surety herein shall fail to maintain said improvements against any failure due to defective workmanship and/or materials for a period of **two (2) years** and at any time repairs shall be necessary that the cost of making repairs shall be determined by the CITY OF BETHANY, or some person(s) designated by them to ascertain the same, and if, upon thirty (30) days notice, the said amount ascertained shall not be paid by the Principal or Surety herein, or if the necessary repairs are not made, that said amount shall become due upon the expiration of thirty (30) days and suit may be maintained to recover the amount so determined in any Court of competent jurisdiction. And that the amount so determined shall be conclusive upon the parties as to the amount due on this bond for the repair or repairs included therein, and that the cost of all repairs shall be so determined from time to time during the life of this bond as the condition of the improvements may require.

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.

ATTEST:

Secretary

By

Principal

ATTEST:

Secretary

By

Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the STATE OF OKLAHOMA in the sum of _____, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this ____ day of _____, A.D., 20_____.

The conditions of this obligation are such, that whereas, the above Bonded Principal _____ is the lowest and best bidder for the making of the following municipal work and improvements, viz:

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the ____ day of _____, 20____, for the erection and construction of said work and improvement, in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal, shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractor of said Principal who perform work in the performance of such, for labor and materials furnished by any supplier and consumed in the performance of said contract, and such repairs to and rental of machinery and equipment as may be furnished by a sub-contractor or to the person or persons contracting with this Authority 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 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.

ATTEST:

Secretary

By _____
Principal

ATTEST:

Secretary

By _____
Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

LIST OF DOCUMENTS REQUIRED FOR THIS BID

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA
TEIM Design, PLLC Project No. ET-424-09**

The Bidder is responsible for reviewing this list of required documents and any requirements of the General Provisions and assuring that each and every required document is properly completed, signed, and submitted with the Bid. Forms and Affidavits should be completed and submitted in accordance with provisions of the "Signature Requirements for Bidding Documents." Bids not submitted in accordance with these requirements will be recommended for rejection.

DOCUMENTS REQUIRED FOR THIS BID

Bid Form
Detailed Bid Form (if provided in the Bidding Documents)
Bid Bond
Anticollusion Affidavit
Affidavit of Surety
Business Relationship Affidavit
Certificate of Non-Discrimination
Affidavit of Non-Boycotting of Energy Companies
OWRB Affidavits
Equal Opportunity Clause (ARP-211) and Non-Segregated Facilities (APR-212 and ARP 212a)
ARP-249 Bidders/Supplier List
ARP-6100-3 Subcontractor Performance Form
ARP-6100-4 DBE Subcontractor Utilization Form

For the purpose of determining that a bid is properly submitted, Bidder should submit the properly completed and executed documents listed on this page. Bidder should also review the General Provisions and the Special Provisions for any other required documents. Failure to submit a document required in the General or Special Provisions may be cause for rejection of the bid. However, the contracting public entity reserves the right to require timely submission of document(s) required in the Special Provisions.

Forms Not in Packet. If an item is listed on this page or in the Special Provisions and the form is not included in this packet, it is the Bidder's responsibility to obtain the form from the Office of the City Clerk for The City of Bethany or such other office noted in the Notice to Bidders.

Forms to be Used. Bidder shall use the forms in this Bid Package or shall photocopy the forms and complete them. No alterations can be made to the forms except to add additional signature lines as required. Any other alteration or amendment of these forms may invalidate the Bid.

BID FORM

Project Number: **TEIM Design, PLLC Project No. ET424.09**

Description: **PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET**

CITY OF BETHANY, OKLAHOMA

Name of Firm: _____

Address: _____

To the Mayor and Council of the **City of Bethany**:

Gentlemen:

The undersigned, as bidder, declares that before preparing this Bid, the Bidder read carefully the Requirements for Bidders, and the general and detailed Plans and Specifications, the Bid Form and Affidavits and Certificates and any other documentation or information to be submitted, and has examined the form of the Contract and the several Bonds, and that the bidder is familiar with and able to comply with all the provisions of the same and with all the requirements of the complete Contract to be entered into and Bonds to be executed. Said bidder proposes and agrees to furnish all labor, materials, and equipment, and to perform all operations necessary to complete the work as required by said Contract Documents for the Total Bid Price of:

Total Bid:

(\$ _____).

THIS PROJECT IS NOT SALES TAX EXEMPT. INCLUDE SALES TAX.

Said Bidder acknowledges receipt of addenda numbers _____ issued during the time of bidding and has included the several changes in this Bid.

In submitting the Bid, it is understood that the right is reserved by the **City of Bethany** to reject any and all bids, and it is agreed that this Bid may not be withdrawn for a period of sixty (60) days after date of filing same. Said Bidder proposes and agrees that if his Bid is accepted, the Bidder will enter in to the contract with the **City of Bethany**, and properly submit the required Bonds within seven (7) days after acceptance of his Bid and the award to the Bidder.

Bidder hereby agrees to commence work within ten (10) days after the Work Order is issued by the **City of Bethany** and completed as stated in the Special Provisions. We herewith enclose Bidder's Bond, or Certified Check, or Cashier's Check in the amount of \$_____ as required in the Contract Specifications.

Detailed Bid Form

Summary of Pay Quantities - Peniel Ave Sanitary Sewer Improvements
NW 25th Street to NW 32nd St

Item Number	Title	Description	Quantity	Unit	Unit Price	Total Price
1	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION	801	1	lump sum		
2	SEDIMENT AND EROSION CONTROL	900	1	lump sum		
3	TRENCH EXCAVATION AND BACKFILL - ZERO (0 FT) TO TEN (10 FT)	212	3,880	linear foot		
4	TRENCH EXCAVATION AND BACKFILL - ZERO (0 FT) TO FIFTEEN (15 FT)	212	20	linear foot		
5	EMBEDMENT MATERIAL	215	700	cubic yard		
6	AGGREGTE BASE (TYPE 'A')	225	2,350	cubic yard		
7	BORING - CASING (16 INCH)	252	40	linear foot		
8	ASPHALTIC CONCRETE TYPE "S5" (PG64-22OK)	301	250	ton		
9	ASPHALTIC CONCRETE TYPE "S3" (PG64-22OK)	301	675	ton		
10	SANITARY SEWER FORCEMAIN (AWWA C900 DR14) (6 INCH)	610	710	linear foot		
11	SANITARY SEWER FORCEMAIN (AWWA C900 DR14) (8 INCH)	610	3,245	linear foot		
12	SANITARY SEWER (CLEANOUT)	610	1	each		
13	ABANDONING SEWER	614	770	cubic yard		
14	TELEVISION INSPECTION (CCTV)	624	3,955	linear foot		
15	SEWER LEAKAGE TEST (6 INCH) (<24IN) (FORCE MAIN)	625	1	lump sum		
16	SEWER LEAKAGE TEST (8 INCH) (<24IN) (FORCE MAIN)	625	1	lump sum		
17	STEEL CASING PIPE (16 INCH)	654	40	linear foot		
18	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)	801	1	lump sum		
19	GPS AS-BUILT SURVEY	801	1	lump sum		
20	CONSTRUCTION SIGNING AND TRAFFIC CONTROL	802	1	lump sum		
21	MOBILIZATION (SP)	809	1	lump sum		
22	ASPHALT PAVEMENT REMOVAL	812	1,700	square yard		
23	PAVEMENT CUT AND PERMENANT REPAIR (CONCRETE) (W/REBAR)	814	65	square yard		
24	SANITARY SEWER (CLEANOUT)	610	1	each		
25	SOLID SLAB SODDING (U-3 BERMUDA)	840	45	square yard		
26	6IN GATE VALVE & VALVE BOX	520	2	each		
27	6IN X 45 DEGREE BEND (DIP) COMPACT (M,J)	505	4	each		
28	8IN X 45 DEGREE BEND (DIP) COMPACT (M,J)	505	4	each		
29	6IN X 11 1/4 DEGREE BEND (DIP) COMPACT (M,J)	505	2	each		
30	8IN X 11 1/4 DEGREE BEND (DIP) COMPACT (M,J)	505	8	each		
29	SANITARY SEWER MANHOLE REHABILITATION	628	14	vertical feet		
					Total Bid	

DBF-1

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA**

**CONTRACTOR'S AFFIDAVITS AND CERTIFICATES
(TO BE INCLUDED IN BID PACKET)**

BID BOND

**PENIEL AVENUE SANITARY SEWER IMPROVEMENTS
NW 25TH STREET TO NW 32ND STREET
CITY OF BETHANY, OKLAHOMA
TEIM Design, PLLC Project No. ET424.09**

5% BID BOND, CERTIFIED OR CASHIER'S CHECK \$ _____

TOTAL BID \$ _____

Work shall commence within **ten (10) calendar days** after the Work Order is issued by the **City of Bethany** and completed as required by the Contract.

(SEAL) if Corporation

Subscribed and sworn to before me this _____ day of _____, 20__.

Signed _____

Notary Public

My Commission Expires: _____

By _____
Agent

Address

Affidavits Attached

**ANTICOLLUSION
AFFIDAVIT**

The following affidavit is submitted by Bidder as a part of this bid and proposal:

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)

The undersigned deponent, of lawful age, being duly sworn, upon his oath deposes and says that he has lawful authority to execute the within and foregoing proposal; that he has executed the same by subscribing his name hereto under oath for and on behalf of said bidder; that bidder has **not** directly or indirectly entered into any agreement, express or implied, with any bidder or bidders, having for its object the controlling of the price or amount of such bid or bids, the limiting of the bids or the bidders, the parceling or farming out to any bidder or bidders or other persons of any part of the contract or any part of the subject matter of the bid or bids or of the profits thereof, and that he has not and will not divulge the sealed bid to any person whomsoever, except those having a partnership or other financial interest with him in said bid or bids, until after the said bid or bids are opened.

Deponent further state that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity, or price in the prospective contract, or any other terms of said prospective contract; or in any discussions between bidders and any City official concerning exchange of money or other thing of value for special consideration in letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give, or donate to any officer or employee of the City of Bethany, Oklahoma, any money or other thing of value, either directly or indirectly, in the procuring of the award of contract pursuant to this bid.

Signed _____
Bidder

By _____

Title _____

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public

My Commission Expires:

AFFIDAVIT OF SURETY

Date

City of Bethany, Oklahoma

Gentlemen:

_____ is currently bidding or is desirous of bidding work for the City of Bethany and this is to advise you that based upon information we have at this time, we are willing to execute bonds for this company on construction contracts for the City of Bethany up to the sum of \$_____.

In the past, we have handled bonding requirements for this company in the amount of \$_____.

In the event information comes to our attention which would change the bonding ability of this firm, we will advise you of such change.

We are attaching a copy of our Power of Attorney.

Name of Company of Agency

Signature and Title

Address

Subscribed and sworn to before me this ___ day of _____, 20__.

Notary Public

My Commission Expires:

BUSINESS RELATIONSHIPS AFFIDAVIT

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)

_____, of lawful age, being first duly sworn, on oath says that (s)he 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 of 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 exists, affiant should so state.)

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public

My Commission Expires: _____

CERTIFICATE OF NON-DISCRIMINATION

In connection with the performance of work under this contract, the Contractor agrees as follows:

1. The Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, age, or ancestry. The Contractor shall take affirmative action to insure that employees are treated without regard to their race, creed, color, national origin, age, or ancestry. Such actions shall include, but not be limited to the following: employment, upgrading, demotion, or transfer, recruiting or recruitment, advertising, layoff or termination, rates of pay, or other forms of compensation and selection for training, including apprenticeship. The Contractor and Sub-Contractor shall agree to post in a conspicuous place, available to employees and applicants for employment, notices to be provided by the County Clerk of the County of Oklahoma setting forth provisions of this section.

2. In the event of the Contractor's noncompliance with this non-discrimination clause, the contract may be canceled or terminated by the Oklahoma Tax Commission. The Contractor may be declared by the Oklahoma County Commission ineligible for further contracts with the said agency until satisfactory proof of intent to comply shall be made by the Contractor.

3. The Contractor agrees to include this non-discrimination clause in any sub-contracts connected with the performance of this agreement.

I have read the above-stated clauses and agree to abide by its requirements.

Contractor

ATTEST:

Secretary

AFFIDAVIT OF NON-BOYCOTTING OF ENERGY COMPANIES

Reference: 74 Oklahoma Statutes Section 12005

STATE OF _____) ss:
COUNTY OF _____)

I, _____, (print name) as the agent of _____ (print company or business name) located at _____ (address) do hereby swear and affirm that the described company does not boycott energy companies, and will not boycott energy companies during the term of the contract.

_____ (print affiant's full name), being first duly sworn on oath according to law, deposes and says that he/she has read the foregoing **AFFIDAVIT OF NON-BOYCOTTING OF ENERGY COMPANIES** by his/her subscribed and that the matters stated herein are true to the best of his/her information, knowledge and belief.

Affiant's Signature

Affiant's Printed Name and Title

SUBSCRIBED AND SWORN to before me this _____ day of _____, 20____.

Notary Public

My commission expires:_____.

NOTE: For purposes of this affidavit the boycott of energy companies means:

Boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- a. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil-fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law, or**
- b. does business with a company described by subparagraph a of this paragraph;**

OWRB AFFIDAVITS

State of _____ ss.

County of _____

_____, of lawful age, being first duly sworn, on oath says that (s)he is the agent authorized by the bidder to submit the attached bid.

Non-Collusion

Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any government official or employee as to quantity, quality, or price in the prospective contract, or any other terms of said prospective contract; or in any discussions between bidders and any government official concerning exchange of money or other value for special consideration in the letting of a contract; that the bidder/contractor had not paid, given or donated or agreed to pay, give or donate to any officer or employee of the _____ (or other entity) any money or other thing of value, either directly or indirectly in the procurement of a contract or pursuant to this bid.

Business Relationships

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 to 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 relationship herein above mentioned exists, affiant should so state.

Subscribed and sworn to before me this ___ day of _____, 20__.

Notary Public Signature

My Commission Expires: _____

Bidder's Statement about: Equal Opportunity Clause (ARP-211)

Mark one:

- I have participated in previous contract(s) or subcontract(s) subject to the equal opportunity clause under Executive Orders 11246 and 11375 or preceding Executive Orders 10925 and 11114. I have filed all reports due under the requirements contained in 40 CFR, Part C, 8.11.
- I have not participated in previous contract(s) subject to the equal opportunity clause under Executive Orders 11246 and 11375 or preceding Executive Orders 10925 and 11114.

- I will obtain a similar statement from any proposed subcontractor(s), when appropriate.

Bidder's Statement about: Non-Segregated Facilities (ARP-212 and ARP-212a)

- I hereby certify that I do not and will not maintain any facilities provided for my employees in a segregated manner or permit my employees to perform their services at any location under my control where segregated facilities are maintained; and that I will obtain a similar certification prior to the award of any subcontract exceeding \$10,000 which is not exempted from the equal opportunity clause.

Bidder's Statement about: Bonds

- I hereby certify that I will obtain and provide a Bid Bond along with my Bid.
- I hereby certify that, in the event of being awarded a Contract, I will provide a Performance Bond for 100% of the contract amount.
- I hereby certify that, in the event of being awarded a Contract, I will provide a Statutory/Payment Bond for 100% of the contract amount.
- I hereby certify that, in the event of being awarded a Contract, I will provide a Maintenance Bond for at least 1 year after construction completion, and 100% of the contract amount

Bidder's Statement about: sam.gov registration

Mark one:

- I have registered in SAM.gov and my status is "active".
- I am not currently registered in SAM.gov, but I will be registered and holding an "active" status prior to the beginning of any construction.

- I certify that I will actively review the SAM.gov status of all of the subcontractors in this work to verify they are registered and their status is "active".

Bidder's Statement about: Davis Bacon Act

If the total project cost exceeds \$10,000,000 (ten million dollars):

- I hereby certify that all of my employees will be paid according to the Davis Bacon Act.

Name and Title of Prospective Prime Contractor's Representative

Signature of Prospective Prime Contractor's Representative

Name and address of Prospective Prime Contractor

EOC NSF - 2

ARP-249 BIDDERS/SUPPLIERS LIST

To be completed by Project Owner with documentation from all bidding Prime Contractors & Subcontractors
(List of all firms that bid or quote on Prime Contracts and Subcontracts on the project including Services and Supplies)

Project Name: _____ OWRB Project Number: ARP- - -

Company Name:	
Address:	
Contact Name:	
Phone:	
Email:	
Quote/Bid Amount (\$)	
Date:	
Utilized: Yes <input type="checkbox"/> No <input type="checkbox"/>	If utilized and >\$10,000 then ARP 212a form is required (from all subcontractors and suppliers). If yes , MBE or WBE? _____ Check one: Construction <input type="checkbox"/> Equipment <input type="checkbox"/> Services <input type="checkbox"/> Supplies <input type="checkbox"/> ARP 6100-3 form is required for all DBEs that bid/quote even if not utilized. Submit with Bidders List. If utilized submit the following with Bidders List : <ul style="list-style-type: none"> • A copy of the companies MBE or WBE certificate is required. • ARP 6100-4 form is also required.
DBE: Yes <input type="checkbox"/> No <input type="checkbox"/>	

Company Name:	
Address:	
Contact Name:	
Phone:	
Email:	
Quote/Bid Amount (\$)	
Date:	
Utilized: Yes <input type="checkbox"/> No <input type="checkbox"/>	If utilized and >\$10,000 then ARP 212a form is required (from all subcontractors and suppliers). If yes , MBE or WBE? _____ Check one: Construction <input type="checkbox"/> Equipment <input type="checkbox"/> Services <input type="checkbox"/> Supplies <input type="checkbox"/> ARP 6100-3 form is required for all DBEs that bid/quote, even if not utilized. Submit with Bidders List. If utilized submit the following with Bidders List : <ul style="list-style-type: none"> • A copy of the companies MBE or WBE certificate is required. • ARP 6100-4 form is also required.
DBE: Yes <input type="checkbox"/> No <input type="checkbox"/>	

Company Name:	
Address:	
Contact Name:	
Phone:	
Email:	
Quote/Bid Amount (\$)	
Date:	
Utilized: Yes <input type="checkbox"/> No <input type="checkbox"/>	If utilized and >\$10,000 then ARP 212a form is required (from all subcontractors and suppliers). If yes , MBE or WBE? _____ Check one: Construction <input type="checkbox"/> Equipment <input type="checkbox"/> Services <input type="checkbox"/> Supplies <input type="checkbox"/> ARP 6100-3 form is required for all DBEs that bid/quote, even if not utilized. Submit with Bidders List. If utilized submit the following with Bidders List : <ul style="list-style-type: none"> • A copy of the companies MBE or WBE certificate is required. • ARP 6100-4 form is also required.
DBE: Yes <input type="checkbox"/> No <input type="checkbox"/>	

BSL-1

ARP-6100-3 DBE Subcontractor Performance Form

This form is intended to capture the DBE, subcontractor's, description of work to be performed and the price of the work submitted to the prime contractor. OWRB Financial Assistance Agreement Recipients must require prime contractors to provide this form to their DBE subcontractors.

Subcontractor Name	Project Name	
Bid/Proposal No.		Point of Contact
Address		
Telephone No.	Email Address	
Prime Contractor Name		Funding Entity Oklahoma Water Resources Board

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services , Equipment or Supplies	Price of Work Submitted to the Prime Contractor
DBE Certified By: <input type="checkbox"/> DOT <input type="checkbox"/> SBA <input type="checkbox"/> Other: _____		Meets/ exceeds EPA certification standards? <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> Unknown

SPF - 1

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

Subcontractor Signature	Print Name
Title	Date

ARP-6100-4 DBE Subcontractor Utilization Form

This form is intended to capture the prime contractor's actual and/or anticipated use of identified certified DBE₁ subcontractors₂ and the estimated dollar amount of each subcontract. OWRB Financial Assistance Agreement Recipients must require their prime contractors to complete this form and include it in the bid or proposal package. Prime contractors should also maintain a copy of this form on file.

Prime Contractor Name	Project Name
Bid/Proposal No.	Point of Contact
Address	
Telephone No.	Email address
Funding Entity Oklahoma Water Resources Board	

I have identified potential DBE certified Subcontractors	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
If yes, please complete the table below. If no, please explain:			
Subcontractor Name/ Company Name	Company Address/ Phone/ Email	Est. Dollar Amt.	Currently DBE Certified?

DBE SUF - 1

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to utilize the subcontractors above. I am aware of that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 CFR Part 33 Section 33.302 (c).

Prime Contractor Signature	Print Name
Title	Date

DBESUF-2

ATTACHMENTS

ARP-6100-2 DBE Subcontractor Participation Form

OWRB Financial Assistance Agreement Recipients must require prime contractors to provide this form to their DBE subcontractors. This form gives a DBE subcontractor the opportunity to describe work received and/or report any concerns regarding the project.

Subcontractor Name	Project Name
Bid/Proposal No.	Point of Contact
Address	
Telephone No.	Email address
Prime Contractor Name	Funding entity Oklahoma Water Resources Board

Contract Item Number	Description of Work Received from the Prime Contractor Involving Construction, Services , Equipment or Supplies	Amount Received by Prime Contractor

Disadvantaged Business Enterprise Program (DBE) Guidance (ARP-267)

Important note: All OWRB ARPA information can be found at: <https://www.owrb.ok.gov/financing/grant/arpa.php>

The OWRB is administering the State of Oklahoma's ARPA funding for various wastewater and water quality projects. The ARPA program is federally funded, and one of the conditions of federal grant awards is for recipients and sub-recipients (i.e., prime contractors and subcontractors) make a good-faith effort to award a fair share of work to DBEs who are small business enterprises (SBEs), minority business enterprises (MBEs) and women's business enterprises (WBEs).

To ensure compliance with federal DBE requirements, both **Grant Recipients (Project Owners)** and **Prime Contractors** **must** undertake the good faith efforts to provide opportunities for DBE firms to participate in contracts. Federal regulations require evidence of the demonstration of the six good faith efforts in trying to achieve the DBE participation goals. The Oklahoma Department of Transportation has a Directory of Certified DBE Firms. This directory can be accessed at <https://okdot.gob2g.com/Default.asp>

Good Faith Efforts: EPA's Good Faith Efforts for the Clean Water State Revolving Fund (CWSRF) will be used for the OWRB ARPA grant program. The following good faith efforts will apply to all procurement categories involving ARPA funds (See Appendices A& B).

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For state and local government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For state and local government recipients, this will include dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Use the services and assistance of the Small Business Administration (SBE) and the Minority Business Development Agency of the Department of Commerce.
6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.

Please submit all information to:
Financial Assistance Division, OWRB
3800 North Classen Blvd, Oklahoma City, OK 73118
Phone: 405.530.8800, FAX: 405.530.8900
<http://www.owrb.ok.gov>

Disadvantaged Business Enterprise Program (DBE) Guidance

Demonstration of the Six Good Faith Efforts. See Appendices A & B for **additional bidding instructions and contract administrative provisions.**

A: Project Owners are required to create and maintain a bidders list in accordance with Subpart E of Part 33 of EPA's Disadvantaged Business Enterprise Program rule, (§ 33.501(b)). This requirement will be adopted for projects funded through the OWRB ARPA program. The list must include all firms that bid or quote on prime contracts, or bid or quote subcontracts, on competitively bid ARPA funded projects. The bidders list must only be kept until the project period for the identified grant has ended. The following information must be obtained from all prime and subcontractors and can be provided on Bidders List (ARP-249):

1. Entity's name with point of contact
2. Entity's mailing address, telephone number, and e-mail address
3. The procurement on which the entity bid or quoted, and when; and
4. Entity's status as an MBE/WBE or non-MBE/WBE

B: Project Owners are required to undertake good faith efforts. Steps 1 through 5 can be utilized during the project planning, design and/or pre-bidding phase, to assure that qualified DBE firms have procurement opportunities in construction, equipment, services, and supplies.

To provide procurement opportunities to DBE Firms, the Project Owner should undertake the following:

- Conduct pre-bid meetings to inform potential bidders/contractors about DBE requirements and provide guidance in undertaking the required good faith efforts.
- Use listings of certified DBEs from the U.S. Small Business Administration (SBA), Oklahoma Department of Transportation (ODOT), etc., to solicit DBE firms as prime contractors whenever they are potential candidates. Project Owners should advertise in minority, local and regional newspapers.
- Invite DBE firms, where appropriate, to meetings, conferences etc., to inform them of procurement opportunities and develop, where possible, reasonable contract and delivery schedules that encourage and facilitate participation by DBE's. This includes, whenever possible, a minimum of 30 calendar days for bids or request for proposals.
- Determine if a project can be broken down into smaller components/contracts to allow opportunity for DBE firms to bid both as prime-contractors and as sub-contractors.
- For projects broken down into smaller components (e.g., painting, roofing, excavation, pipe laying, etc.,) ensure that the delivery schedules are reasonable.
- Encourage DBE firms, where appropriate, to apply as a consortium of DBEs, when a contract is too large for one of these firms to handle individually.
- **Require prime contractor to complete ARP Form 6100-3 & ARP Form 6100-4 and submit with bid proposal to Project Owner.**

C: Project Owners must require the prime contractor to undertake steps 1 through 5 of the Good Faith Efforts in providing DBE firms opportunity for sub-contracts.

Project Owner must provide the **DBE Guidance (ARP-267)** and associated forms to Prime Contractors for utilization of DBEs in the bidding documents.

APPENDIX A: Project Owner, Prime Contractor and Sub-Contractor Responsibilities

EPA's Disadvantaged Business Enterprise Program rule applies to contract procurement actions funded in part by EPA assistance agreements awarded after May 27, 2008. The rule is found at Federal regulation Title 40, Part 33. Specific responsibilities are highlighted below.

Project Owner Responsibilities:

- Include OWRB's DBE guidance (ARP-267) in each contract with a primary contractor.
- Employ the six Good Faith Efforts during prime contractor procurement (§33.301).
- Require prime contractor to comply with the following prime contractor requirements of Title 40 Part 33:
 - a) To employ the six Good Faith Efforts steps in paragraphs (a) through (e) of § 33.301 if the prime contractor awards subcontracts (§ 33.301(f)).
 - b) To provide **ARP form 6100-2 – DBE Subcontractor Participation Form to all DBE subcontractors** (Optional submittal by subcontractors) (§ 33.302(e)).
 - c) To submit **ARP form 6100-3 – DBE Program Subcontractor Performance Form and ARP form 6100-4 – DBE Program Subcontractor Utilization Form with bid package or proposal.** (§ 33.302 (f) and (g)).
 - d) To pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the recipient (§ 33.302(a)).
 - e) To notify recipient in writing by its prime contractor prior to any termination of a DBE subcontractor for convenience by the prime contractor (§ 33.302(b)).
 - f) To employ the six good faith efforts described in § 33.301 if soliciting a replacement subcontractor after a DBE subcontractor fails to complete work under the subcontract for any reason. (§ 33.302(c)).
 - g) To employ the six good faith efforts described in § 33.301 even if the prime contractor has achieved its fair share objectives under subpart D of Part 33. (§33.302(d)).
 - h) Provide Project Owner DBE participation achievements with bid proposal – this includes all information necessary for the Owner to complete the **Bidders List (ARP-249)**. The Owner may allow the prime contractor to complete the Bidders List (ARP-249); however, the Owner is responsible for review and submittal.
- Maintain records documenting compliance with the requirements of Title 40 Part 33, including **Bidders List (ARP-249)** and documentation of the good faith efforts (§ 33.301(a)) by the project owner and prime contractor.

Prime Contractor Responsibilities:

- Employ the six Good Faith Efforts steps in paragraphs (a) through (e) of § 33.301 if the prime contractor awards subcontracts (§ 33.301(f)).

- Provide **ARP form 6100-2 – DBE Program Subcontractor Participation Form** and **ARP form 6100-3 – DBE Program Subcontractor Performance Form** to each DBE subcontractor as part of the bid conference and prior to opening of the contractor's bid or proposal (§ 33.302(e) and (f)). Complete **ARP form 6100-4 – DBE Program Subcontractor Utilization Form** (§ 33.302(g))
- Submit to recipient with bid package or proposal the completed **ARP form 6100-4**, plus an **ARP form 6100-3** for each DBE subcontractor used in the contractor's bid or proposal (§ 33.302(f) and (g)).
- Pay subcontractors for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the Project Owner (§ 33.302(a)).
- Notify the recipient in writing prior to prime contractor termination of a DBE subcontractor for convenience (§ 33.302(b)).
- Employ the six good faith efforts described in (§ 33.301) if soliciting a replacement subcontractor after a DBE subcontractor fails to complete work under the subcontract for any reason. (§ 33.302(c)).
- Employ the six good faith efforts described in (§ 33.301) even if the prime contractor has achieved its fair share objectives under subpart D of Part 33. (§33.302(d)).
- Provide Project Owner DBE participation achievements with bid proposal. This includes information necessary for Owner's completion of the **Bidders List (ARP-249)**.
- Maintain records documenting its compliance with the requirements of Title 40 Part 33, including **Bidders List (ARP-249)** and documentation of the good faith efforts (§ 33.301(a)) by the project owner and prime contractor.

Subcontractor Responsibilities:

- May submit **ARP form 6100-2 – DBE Subcontractor Participation Form** to Debra Bradford, EPA Region 6 DBE Coordinator (§ 33.302(e)). Submitted if concerns with EPA funded project (e.g., termination, late payment, etc.)
- Must complete **ARP form 6100-3 – DBE Program Subcontractor Performance Form** and submit it to the prime contractor soliciting services from the subcontractor prior to the opening of bids for the prime contract.

Summary of ARP Forms

<i>ARP Form</i>	<i>Requirement</i>	<i>Provided By</i>	<i>Completed By</i>	<i>Submitted To</i>
6100-2: DBE Subcontractor Participation Form	Project Owners required to have prime contractors provide form to Subcontractors	Prime Contractors to DBE Subcontractors	DBE Subcontractors if concerns with EPA funded project (e.g., termination, late payment, etc.)	EPA Region 6 DBE Coordinator, Debora Bradford
6100-3: DBE Subcontractor Performance Form	Project Owners required to have prime contractors provide form to Subcontractors	Prime Contractors to DBE Subcontractors	DBE Subcontractors with Prime Contractor's Signature. Completed when bidding on a job.	Project Owners as part of a bid or proposal package
6100-4: DBE Subcontractor Utilization Form	Project Owners required to have prime contractors complete the form	Project Owners to Prime Contractors	Prime Contractors to indicate the utilization of a DBE.	Project Owners as part of bid or proposal

APPENDIX B: TITLE 40 PART 33 SUBPART C—GOOD FAITH EFFORTS

§ 33.102 When do the requirements of this part apply?

The requirements of this part apply to procurement under ARPA Grant program agreements performed entirely within the United States, whether by a Project Owner or its prime contractor, for construction, equipment, services, and supplies.

§ 33.106 What assurances must ARPA Grant program recipients obtain from their contractors?

The recipient must ensure that each procurement contract it awards contains the term and condition specified in Appendix A to this part concerning compliance with the requirements of this part.

§ 33.206 Is there a list of certified MBEs and WBEs?

The Oklahoma Department of Transportation has a Directory of Certified DBE Firms. This database can be found at this website: <https://okdot.gob2g.com/Default.asp>.

§ 33.301 What does this subpart require?

A recipient, including one exempted from applying the fair share objective requirements by § 33.411, is required to make the following good faith efforts whenever procuring construction, equipment, services, and supplies under an ARPA Grant program agreement, even if it has achieved its fair share objectives under subpart D of this part:

- a) Ensure DBEs are made aware of contracting opportunities fully practicable through outreach and recruitment activities. For State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
- b) Make information on forthcoming opportunities available to DBE's, arrange periods for contracts, and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
- c) Consider in the contracting process whether firms competing for large contracts could subcontract with DBE's. For state and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
- d) Encourage contracting with a consortium of DBE's when a contract is too large for one of these firms to handle individually.
- e) Use the services and assistance of the SBA and the Minority Business Development Agency of the Department of Commerce.
- f) If the prime contractor awards subcontracts, require the prime contractor to take the steps in paragraphs (a) through (e) of this section.

§ 33.302 Are there any additional contract administration requirements?

- a) Project Owners must require its prime contractor to pay its subcontractor for satisfactory performance no more than 30 days from the prime contractor's receipt of payment from the recipient.
- b) Its prime contractor must notify Project Owner in writing prior to any termination of a DBE subcontractor for convenience by the prime contractor.
- c) If a DBE subcontractor fails to complete work under the subcontract for any reason, the recipient must require the prime contractor to employ the six good faith efforts described in § 33.301 if soliciting a replacement subcontractor.
- d) A project owner must require its prime contractor to employ the six good faith efforts described in §33.301 even if the prime contractor has achieved its fair share objectives under §33.301 subpart D above.

- e) A recipient must require its prime contractor to provide **ARP Form 6100-2—DBE Program Subcontractor Participation Form** to all of its DBE subcontractors. **ARP Form 6100-2** gives a DBE subcontractor the opportunity to describe the work the DBE subcontractor received from the prime contractor, how much the DBE subcontractor was paid and any other concerns the DBE subcontractor might have, for example reasons why the DBE subcontractor believes it was terminated by the prime contractor. DBE subcontractors may send completed copies of **ARP Form 6100-2** directly to the appropriate EPA DBE Coordinator.
- f) A recipient must require its prime contractor to have its DBE subcontractors complete **ARP Form 6100-3—DBE Program Subcontractor Performance Form**. A recipient must then require its prime contractor to include all completed forms as part of the prime contractor's bid or proposal package.
- g) A recipient must require its prime contractor to complete and submit **ARP Form 6100-4—DBE Program Subcontractor Utilization Form** as part of the prime contractor's bid or proposal package.
- h) Copies of **ARP Form 6100-2—DBE Program Subcontractor Participation Form**, **ARP Form 6100-3—DBE Program Subcontractor Performance Form** and **ARP Form 6100-4—DBE Program Subcontractor Utilization Form** may be obtained from EPA OSDBU's Home Page on the Internet or directly from EPA OSDBU.
- i) A recipient must ensure that each procurement contract it awards contains the term and condition specified in the Appendix A concerning compliance with the requirements of this part. A recipient must also ensure that this term and condition is included in each procurement contract awarded by an entity receiving a grant under federal financial assistance agreement.

§ 33.410 Can a recipient be penalized for failing to meet its fair share objectives?

A recipient cannot be penalized or treated by EPA as being in noncompliance with this subpart, solely because its MBE or WBE participation does not meet its applicable fair share objective. However, EPA may take remedial action under § 33.105 for a recipient's failure to comply with other provisions of this part, including, but not limited to, the good faith efforts requirements described in subpart C of this part.

Source: Federal Requirements and Contract Provisions for Special Appropriation Act Projects, US Environmental Protection Agency, Region III, June 2008

**APPENDIX C: RESOURCE LISTING AND CONTACT INFORMATION
FOR UTILIZATION OF MINORITY AND WOMEN'S BUSINESS ENTERPRISES**

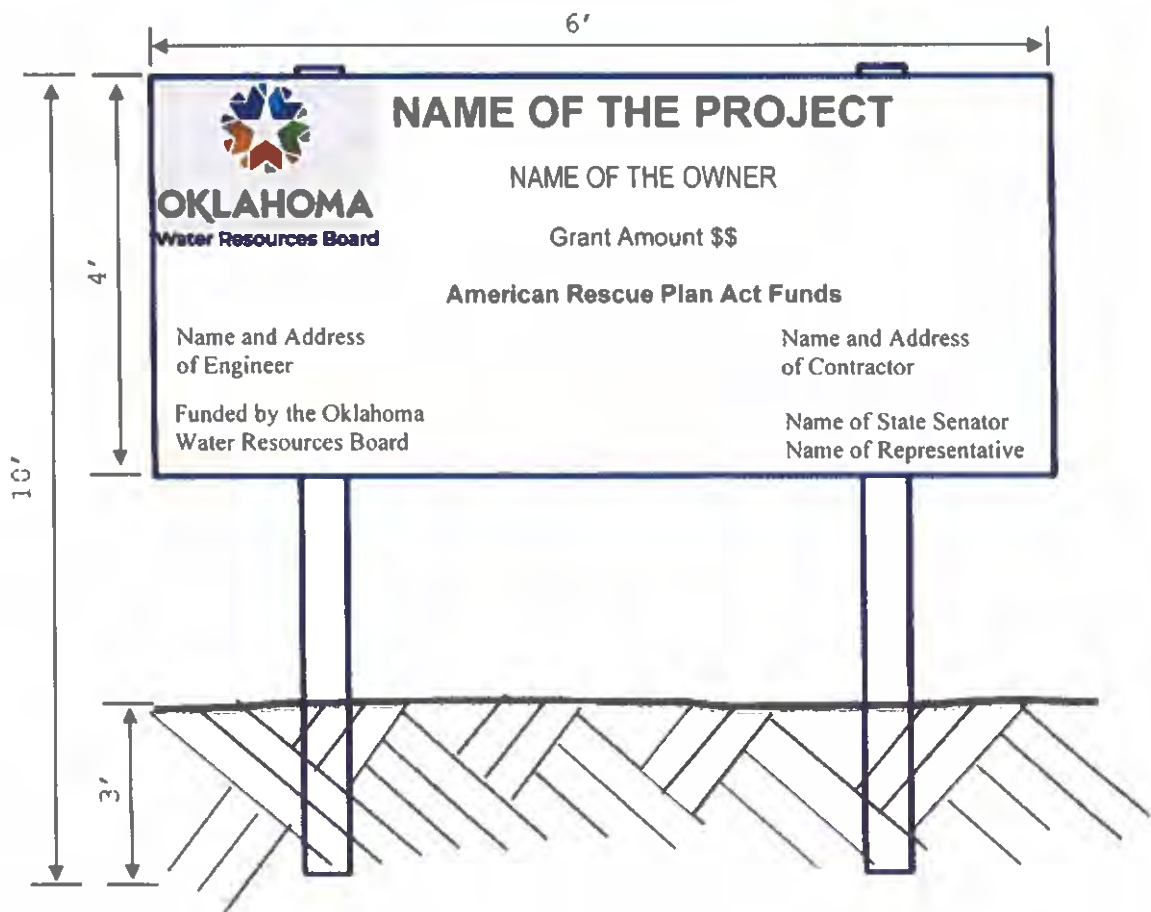
Resource Listing	Contact Information	Website if applicable
<p>U.S. Small Business Administration (SBA) In addition to the national office, the SBA has local district and regional offices to assist small businesses in contracting with the public and private sector.</p>	<p>US Small Business Administration 409 3rd St, SW Washington DC 20416 Phone: 800-827-5722</p>	<p>https://www.sba.gov/</p>
<p>U. S. Small Business Administration (SBA) - OK. District Office</p>	<p>301 NW 6th St. Oklahoma City, OK 73102 Phone: 405.609.8000</p>	<p>https://www.sba.gov/offices/district/ok/oklahoma-city</p>
<p>Minority Business Development Administration (MBDA): The MBDA is an agency within the U.S. Dept. of Commerce, created to foster the development and growth of minority businesses in the U.S. and coordinates resources in the public and private sectors to help MBEs.</p>	<p>1401 Constitution Ave NW Washington, D.C. 20230 Email: support@mbda.gov Phone: (202) 482-2000</p>	<p>http://www.mbda.gov/</p>
<p>Standard Industrial Classification Codes (SIC) or North American Industry Classification System (NAICS) codes visit the websites.</p>	<p>U.S. Bureau of Labor Statistics Postal Square Building, 2 Massachusetts Ave. NE Washington, DC 20212-0001 Phone: 1-202-691-5200</p>	<p>http://www.bls.gov/iag/tgs/iag_index_naics.htm</p>
<p>Oklahoma Department of Transportation (ODOT) and the Minority/Disadvantaged Business Enterprise (ODOT -- MBE/DBE). Project Owners and bidders may locate qualified M/WBE's through the MBE/WBE Directory</p>	<p>200 NE 21st Street Oklahoma City, OK 73105 Phone: 405.521.2082</p>	<p>https://okdot.gob2g.com/Default.asp</p>
<p>US EPA Office of Small and Disadvantaged Business Utilization (OSDBU): advocates and advances the business, regulatory, and environmental compliance concerns of small and socio-economically disadvantaged businesses. The Small Business Vendor Profile System contains information of number of small and disadvantaged companies registered with OSDBU.</p>	<p>USEPA Office of Small Programs 1200 Pennsylvania Ave NW Mail Code 1230T Washington, D.C. 20460 Phone: 202 566-2075</p>	<p>https://www.epa.gov/aboutepa/about-office-small-and-disadvantaged-business-utilization-osdbu</p> <p>Select "search the OSBP Registry"</p> <p>Click on the search criteria of interest (ethnicity, size, SIC, etc.)</p>

National Black Chamber of Commerce	4400 Jenifer St NW #331, Washington, DC 20015 Phone: 202 466-6888 Fax: 202 466-4918 Email: info@nationalbcc.org	http://www.nationalbcc.org
U.S. Hispanic Chamber of Commerce	424 K St NW #401, Washington, DC 20005 Phone: (202) 842-1212	http://www.usfcc.com
National Association of Minority Contractors (NAMC)	910 17th Street, NW, Suite 413 Washington, DC 20006 Phone: 202.296.1600 info@namcnational.org	http://namcnational.org/
National Association of Women's Business Owners (NAWBO)	601 Pennsylvania Ave NW South Building, Ste 900 Washington, DC 20004 Phone: 800-556-2926 Fax: 202-403-3788	www.nawbo.org
National Minority Supplier Development Council, Inc. (NMSDC)	1359 Broadway, 10th Floor, Suite 1000 New York, NY 10018 Phone: (212) 944-2430 Fax: (212) 719-9611	http://www.nmsdc.org/
Native American Development Corporation (NADC) - provides technical assistance, financial lending opportunities, and champions small businesses	17 N. 26th St. Billings, MT 59101 Phone: (406) 259-3804 Fax: (406) 259-4569 Email: nadcptac@nadc-nabn.org	http://www.nadc-nabn.org/
City of Tulsa – Small Business Enterprise Program Maintains a list of Minority and Female business Enterprises that are certified through the “building Resources in Developing and Growing Enterprises	175 E. 2nd St. Tulsa, OK. 74103 Phone: (918) 596-7818	https://www.cityoftulsa.org/developmentbusiness/small-business-enterprise-program/ Click on the ‘member list’
Southwest Minority Supplier Development Council: Maintains lists of certified Minority Business Enterprises in Oklahoma	7301 Broadway Ext Ste 224, OKC, OK 73116 Phone: (405) 767-9900	http://www.smsdc.org/

National Association of Women in Construction (NAWIC)	327 S. Adams Street Fort Worth, TX 76104 Phone: 800-552-3506 817.877.5551 Fax: 817.877.0324	http://www.nawic.org/
Bureau of Indian Affairs - Maintains a list of Native American Contractors and Suppliers by Trade	P.O. Box 368 (1 Mile North on Hwy 281) Anadarko, OK 73005 Phone: (405) 247-6673 Fax: (405) 247-5611	https://www.bia.gov/as-ia/iecd/division-economic-development/native-american-business-development
Oklahoma Department of Commerce Certification Programs and information	900 N Stiles Ave. Oklahoma City, OK 73104 Phone: (405) 815-6552 Toll-Free: (800) 879-6552	https://www.okcommerce.gov/doing-business/#business-services
Cherokee Nation Tribal Employment Rights Office - Maintains a directory of Indian-owned businesses	Cherokee Nation TERO Dept. P.O. Box 948 Tahlequah, OK 74465 Phone: (918) 453-5334 or Toll Free: 800-256-0671 ext. 5334	http://cherokeetero.com/

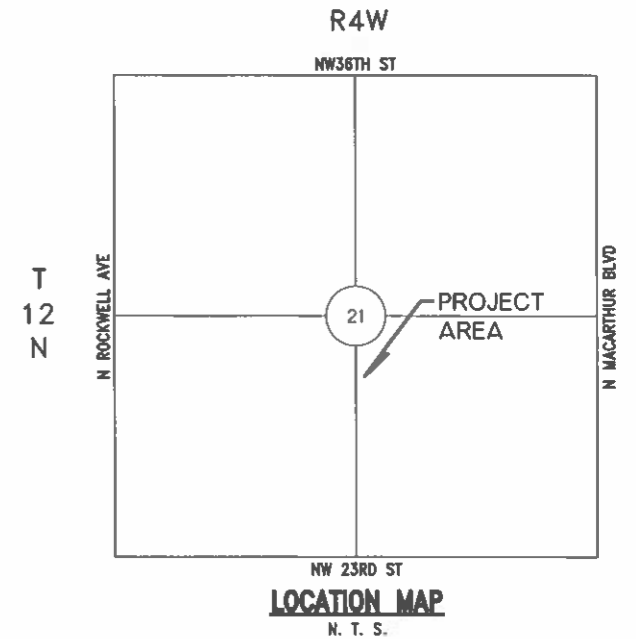
PROJECT SIGN

- The general contractor shall erect and maintain for the life of the construction contract a suitable sign, 4' x 6' in size, and detailed hereon, lettered black on white background. Sign shall be professionally painted. Lettering to be appropriate size. No separate bid item. Sign shall be the general obligation of the Contractor.
- The OWRB logo is required on the project sign if the project is funded in part with OWRB Financial Assistance Program funds. The OWRB logo is available at <http://www.owrb.ok.gov/about/index.php> or may be provided directly by OWRB.
- Redwood Posts shall be 4" x 4" x 10' buried securely a minimum of 3 feet below ground.
- Sign face shall be constructed of ¼" x 4' x 6' – 5 ply Dura-plywood board & mounted to Posts with four (4) 5/8" x 6" Carriage Bolts.





PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET



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
AC02	NOTES
AC03	LEGEND
AC04	LOCATION MAP
C001 - C004	8" PLAN & PROFILE
C005 - C006	REMOVALS
C007	6" PLAN & PROFILE
C008	REMOVALS
ER01	SWPPP
D001	DETAILS
	OKC STANDARD DETAILS

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 plan prior to any excavation.

PREPARED BY



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

FOR ODEQ PERMITTING
PERMIT NO. SL000055240154
NOT FOR CONSTRUCTION

Patrick James Garrett
PATRICK JAMES GARRETT, P.E.
REGISTERED PROFESSIONAL ENGINEER
CA# 8428 EXPIRES JUNE 30, 2025

25784 5-3-2024
DATE



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

APPROVED BY:
Robbie Williams
ROBBIE WILLIAMS
CITY ENGINEER
5-4-2024
DATE

Summary of Pay Quantities - Peniel Ave Sanitary Sewer Improvements NW 25th Street to NW 32nd St					
Item Number	Title	Pay Item Notes	Description	Quantity	Unit
1	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION		801	1	lump sum
2	SEDIMENT AND EROSION CONTROL		900	1	lump sum
3	TRENCH EXCAVATION AND BACKFILL - ZERO (0 FT) TO TEN (10 FT)		212	3,880	linear foot
4	TRENCH EXCAVATION AND BACKFILL - ZERO (0 FT) TO FIFTEEN (15 FT)		212	20	linear foot
5	EMBEDMENT MATERIAL		215	700	cubic yard
6	AGGREGTE BASE (TYPE 'A')		225	2,350	cubic yard
7	BORING - CASING (16 INCH)		252	40	linear foot
8	ASPHALTIC CONCRETE TYPE "S5" (PG64-22OK)		301	250	ton
9	ASPHALTIC CONCRETE TYPE "S3" (PG64-22OK)		301	675	ton
10	SANITARY SEWER FORCEMAIN (AWWA C900 DR14) (6 INCH)		610	710	linear foot
11	SANITARY SEWER FORCEMAIN (AWWA C900 DR14) (8 INCH)		610	3,245	linear foot
12	SANITARY SEWER (CLEANOUT)		610	1	each
13	ABANDONING SEWER		614	770	cubic yard
14	TELEVISION INSPECTION (CCTV)		624	3,955	linear foot
15	SEWER LEAKAGE TEST (6 INCH) (<24IN) (FORCE MAIN)		625	1	lump sum
16	SEWER LEAKAGE TEST (8 INCH) (<24IN) (FORCE MAIN)		625	1	lump sum
17	STEEL CASING PIPE (16 INCH)		654	40	linear foot
18	CONSTRUCTION STAKING (CONSTRUCTION SURVEY)		801	1	lump sum
19	GPS AS-BUILT SURVEY		801	1	lump sum
20	CONSTRUCTION SIGNING AND TRAFFIC CONTROL		802	1	lump sum
21	MOBILIZATION (SP)		809	1	lump sum
22	ASPHALT PAVEMENT REMOVAL		812	1,700	square yard
23	PAVEMENT CUT AND PERMENANT REPAIR (CONCRETE) (W/REBAR)		814	65	square yard
24	SANITARY SEWER (CLEANOUT)		610	1	each
25	SOLID SLAB SODDING (U-3 BERMUDA)		840	45	square yard
26	6IN GATE VALVE & VALVE BOX		520	2	each
27	6IN X 45 DEGREE BEND (DIP) COMPACT (MJ)		505	4	each
28	8IN X 45 DEGREE BEND (DIP) COMPACT (MJ)		505	4	each
29	6IN X 11 1/4 DEGREE BEND (DIP) COMPACT (MJ)		505	2	each
30	8IN X 11 1/4 DEGREE BEND (DIP) COMPACT (MJ)		505	8	each
29	SANITARY SEWER MANHOLE REHABILITATION		628	14	vertical feet

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 05-03-2024
DRAWN BY: BFIDDLER
CHECKED BY: PJG



CITY OF BETHANY
**PENIEL AVENUE SANITARY SEWER
IMPROVEMENTS NW 25TH STREET TO NW
32ND STREET**

CIVIL
SUMMARY OF PAY



SHEET NO.
AC01
SHEET 2 OF 27

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, OFFSITE.
- 7 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.
- 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 252.656-5-4(B)(2), PROVIDE MINIMUM CLEARANCE OF 4 INCHES BETWEEN ALL PIPE AND ANY LARGE STONES, LEDGE ROCK, OR BOULDERS.

IN ACCORDANCE WITH OAC 252.656-5-4(C), SANITARY SEWERS LOCATED IN THE STREET RIGHT-OF-WAY SHALL BE LOCATED ON OPPOSITE SIDES OF THE STREETS FROM POTABLE WATER LINES AND COMPLY WITH THE FOLLOWING:

HORIZONTAL SEPARATION

SANITARY SEWERS SHALL BE AT LEAST

- (A) 50 FEET FROM PETROLEUM PRODUCT TANKS UNLESS CONSTRUCTED OF DUCTILE IRON PIPE WHICH SHALL BE NO CLOSER THAN 10 FEET (JOINT MATERIAL SHALL BE RESISTANT TO PETROLEUM PRODUCTS);
- (B) 300 FEET FROM PUBLIC WATER SUPPLY WELL.
- (C) 50 FEET FROM PRIVATE WATER WELL.
- (D) 10 FEET FROM ANY EXISTING OR PROPOSED WATER MAIN, AND
- (E) 5 FEET FROM ELECTRICAL LINES AND PETROLEUM LINES.

VERTICAL SEPARATION

SANITARY SEWERS AND SEWER SERVICE LINES SHALL CROSS AT LEAST 24 INCHES ABOVE OR BELOW WATER MAINS, AND THE CROSSING SECTION CENTERED SO THAT THE JOINTS WILL BE AS FAR AS POSSIBLE FROM THE WATER MAINS.


SPECIAL CONDITION

WHEN IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL AND VERTICAL SEPARATION AS STIPULATED, DESIGN AND CONSTRUCT THE SANITARY SEWER EQUAL TO WATER PIPE, AND PRESSURE TEST IT TO ASSURE WATER TIGHTNESS OF JOINTS ADJACENT TO THE WATER LINE PRIOR TO BACKFILLING. SEE OAC 252.626-19-2(H)(3) RELATING TO VERTICAL SEPARATION OF WATER MAINS AND SEWER LINES.

IN ACCORDANCE WITH OAC 252.656-7-1(C)(13), TEST THE INSTALLED PIPE FOR LEAKAGE IN ACCORDANCE WITH THE APPLICABLE ASTM STANDARD SPECIFICATIONS. THE DESIGN WORKING PRESSURE OF THE PIPE MUST NOT EXCEED 2/3 OF THE RATED PRESSURE OF THE PIPE. SPECIFY THE APPLICABLE ASTM STANDARD TO BE USED (ASTM E1003).

IN ACCORDANCE WITH OAC 252.656-5-3, LIST THE ASTM STANDARD FOR THE PIPE MATERIAL TO BE USED (ASTM D1784).

IN ACCORDANCE WITH OAC 252.656-5-4(A), INSTALL METAL TRACER WIRE ON ALL NON-FERROUS PIPING.

				SCALE: AS SHOWN		CITY OF BETHANY PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET	CIVIL NOTES		SHEET NO.
				DATE: 05-03-2024					AC02
				DRAWN BY: BFIDDLER					SHEET 3 OF 27
REV. NO.	DATE	DRWN	CHKD	REMARKS	CHECKED BY: PJG				

LINETYPE LEGEND

	EXISTING	PROPOSED
FILTER FABRIC SILT FENCE		—SF—
EROSION CALLOUTS		
CALLOUTS	_____	
CONTOUR	_____	
CONTOUR	_____	
BUILDING LIMIT	- - - - -	
PERMANENT EASEMENT	- - - - -	
TEMPORARY EASEMENT	- - - - -	
EASEMENT CALLOUTS	OWNER 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	SEC-T-N	
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	SS	SS
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	TEXT	
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	- x - x -	- x - x -
CHAINLINK FENCE	- o - o -	- o - o -
METAL FENCE	- o - o -	- o - o -
PLASTIC FENCE	- o - o -	- o - o -
WOOD FENCE	- o - o -	- o - o -
DITCH FLOWLINE	_____	_____
GUARDRAIL	_____	_____
MAJOR CONTOUR	_____	_____
CONTOUR CALLOUTS	ELEVATION	ELEVATION
MINOR CONTOUR	_____	_____
RAILROAD		
RETAINING WALL	- - - - -	- - - - -
TOP OF BANK	_____	_____
TOE OF SLOPE	- - - - -	- - - - -
RIPRAP	_____	_____
SAWCUT	_____	_____
SIGNAGE	_____	_____
TOPO CALLOUTS		TEXT
TREES	_____	_____
TREE OVERHANG	~~~~~	~~~~~
TREE PROTECTION ZONE	_____	TPZ
SIDEWALK	_____	_____
CABLE LINE	_____	_____
ELECTRIC LIGHTS	_____	_____
OVERHEAD ELECTRIC	—NW—	—NW—
POWER UNDERGROUND	—PUG—	—PUG—
GAS LINE	—G—	—G—
OIL PIPELINE	—O—	—O—
TELEPHONE UNDERGROUND	—TUG—	—TUG—
FIBER OPTIC	—FO—	—FO—
UTILITY CALLOUTS	TEXT	TEXT
ABANDONED WATER LINE	—W ABO—	
WATER APPURTENANCES		
FIRELINE	—W FR—	—W FR—
WATER PIPE FITTINGS	—W IR—	—W IR—
IRRIGATION LINE	—W IRR—	—W IRR—
WATER PIPE PLAN	—W—	—W—
WATER PIPE PROFILE	_____	_____
WATER HATCH		
WATER SERVICE	—W SV—	—W SV—
WATER LINE CALLOUTS		TEXT
TABLE OUTLINE	_____	_____
TABLE TEXT		TEXT

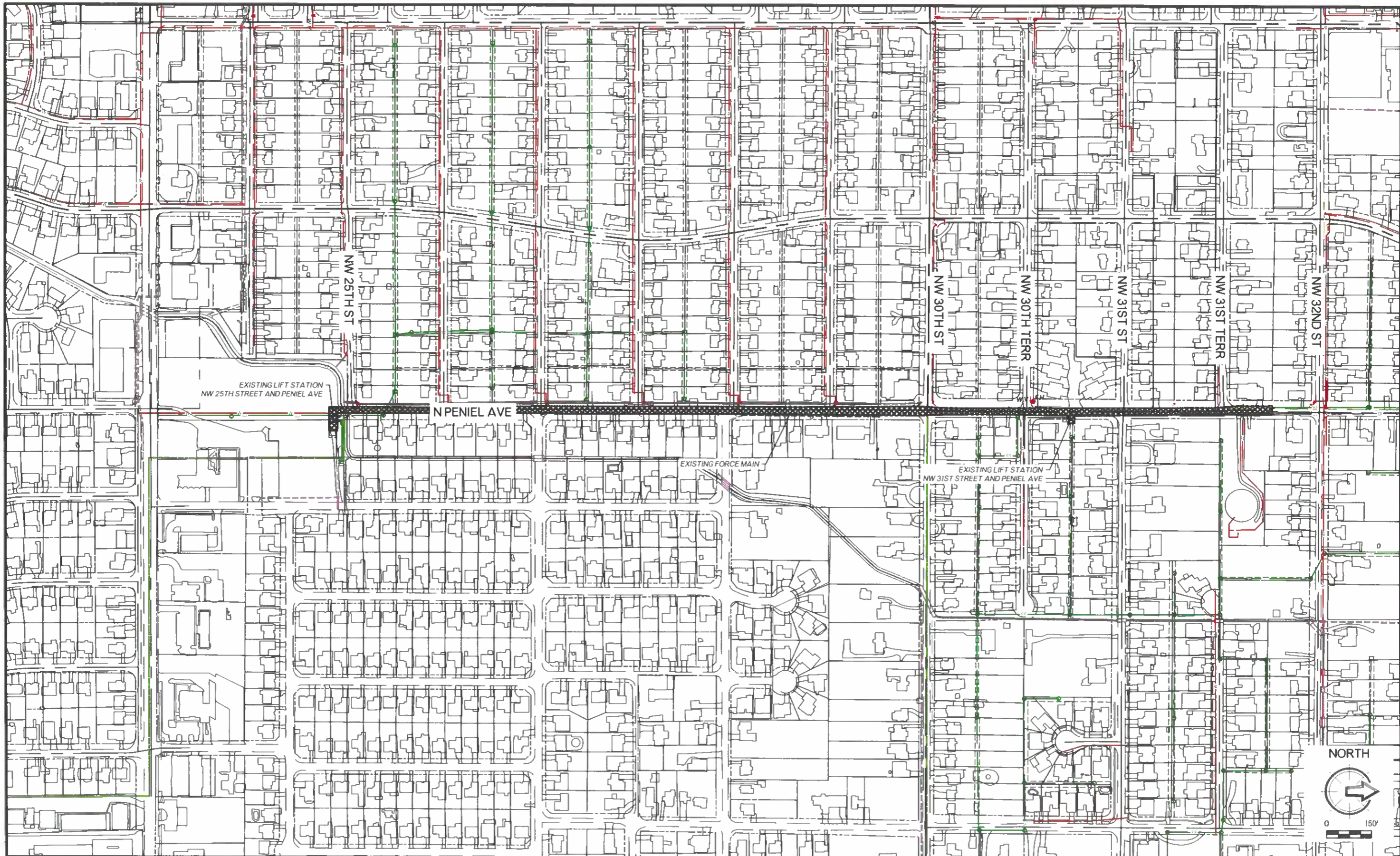
BLOCK LEGEND

	EXISTING	PROPOSED
BENCHMARK	◆	
BUILDING-ROOF DRAIN	RD	
CONTROL POINT	▲	
ELECTRICAL AIR CONDITION	Ⓜ	
ELECTRICAL RISER	Ⓜ	
ELECTRICAL TRANSFORMER	Ⓜ	
FIRE HYDRANT	▲FH	▲FH
FIRE CONNECTION	ⓂFDC	ⓂFDC
FIRE CONNECTION w/STROBE	ⓂFDC	ⓂFDC
FITTING - CAP		ⓂCAP
FITTING - PLUG		ⓂPLUG
GAS METER	ⓂGM	
GAS VALVE	ⓂGV	
GUY ANCHOR	ⓂGA	
HIGHWAY-INTERSTATE	ⓂIX	
HIGHWAY-US	ⓂIX	
HIGHWAY-STATE	ⓂIX	
LIGHT POLE DOUBLE ARM	ⓂL	
LIGHT LANDSCAPING	ⓂL	
LIGHT POLE SINGLE ARM	ⓂL	
LIGHT POLE STADIUM	ⓂL	
LIGHT POLE QUAD ARM	ⓂL	
MAILBOX	ⓂM	
MANHOLE-ELECTRICAL	ⓂE	
MANHOLE SANITARY SEWER	ⓂSS	ⓂSS
MANHOLE STORM SEWER	ⓂSF	ⓂST
MANHOLE-TELEPHONE	ⓂT	
MANHOLE-WATER	ⓂW	ⓂW
POST-FENCE	○	
POST-GATE	○	
POST-VENT PIPE	ⓂVP	
POST-SQUARE	□	
POWER POLE-DISTRIBUTION	ⓂP	ⓂP
POWER POLE-TRANSMISSION	ⓂP	ⓂP
SEWER CLEANOUT	ⓂCO	ⓂCO
SIGNAL MAST ARM	ⓂS	
DOUBLE LIGHT	ⓂS	
SIGNAL MAST ARM	ⓂS	
TRIPLE LIGHT	ⓂS	
SIGNAL-RAILROAD ARM	ⓂS	
SIGN-SCHOOL	ⓂS	
SIGN-STREET	ⓂS	ⓂS
TELEPHONE RISER	ⓂTR	
TREE CONIFEROUS	ⓂT	
TREE-DECIDUOUS	ⓂT	
TREE-SHRUB	ⓂT	
VALVE AIR VAC/RELEASE	ⓂV	ⓂV
VALVE BLOWOFF	ⓂBV	ⓂBV
VALVE IRRIGATION	ⓂIR	ⓂIR
VERTICAL BEND	ⓂV	ⓂV
WATER VALVE	ⓂWV	ⓂWV
WATER METER	ⓂWM	ⓂWM
WATER FAUCET	ⓂWF	ⓂWF
WATER WELL	ⓂWELL	ⓂWELL

HATCH LEGEND

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

REV. NO.	DATE	DRWN	CHKD	REMARKS	SCALE: AS SHOWN		CITY OF BETHANY PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET	GENERAL LEGEND		SHEET NO. AC03
					DATE: 05-03-2024					SHEET 4 OF 27
					DRAWN BY: BFIDDLER					
					CHECKED BY: PJG					



REV. NO.	DATE	DRWN	CHKD	REMARKS

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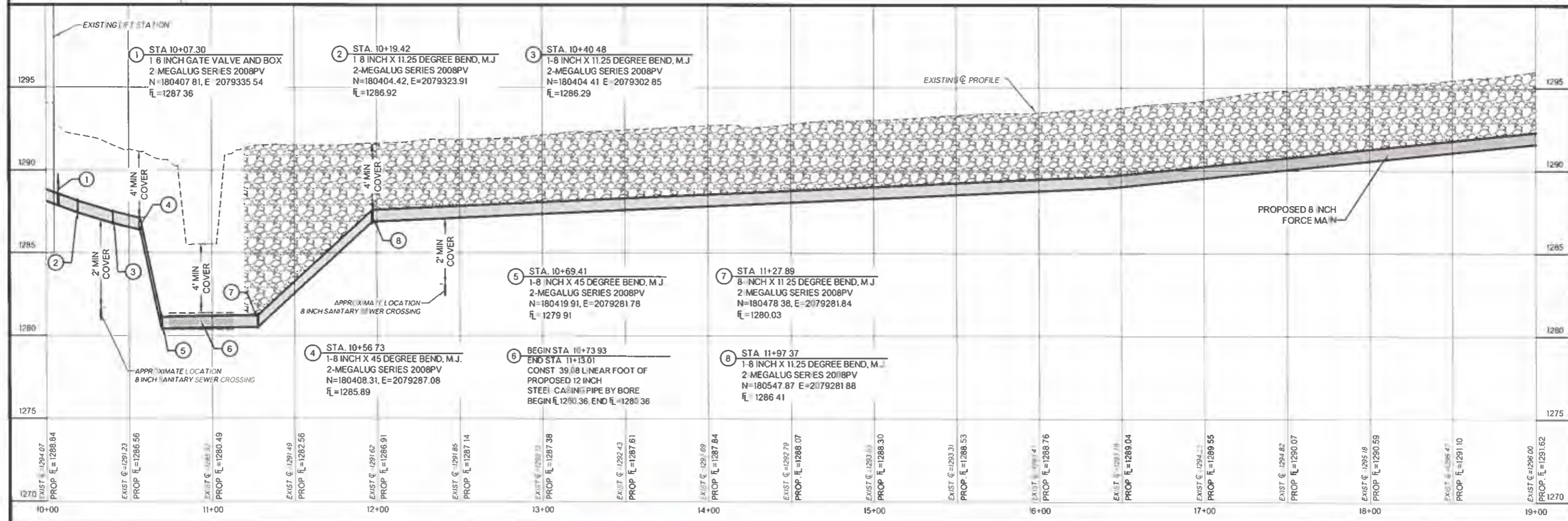
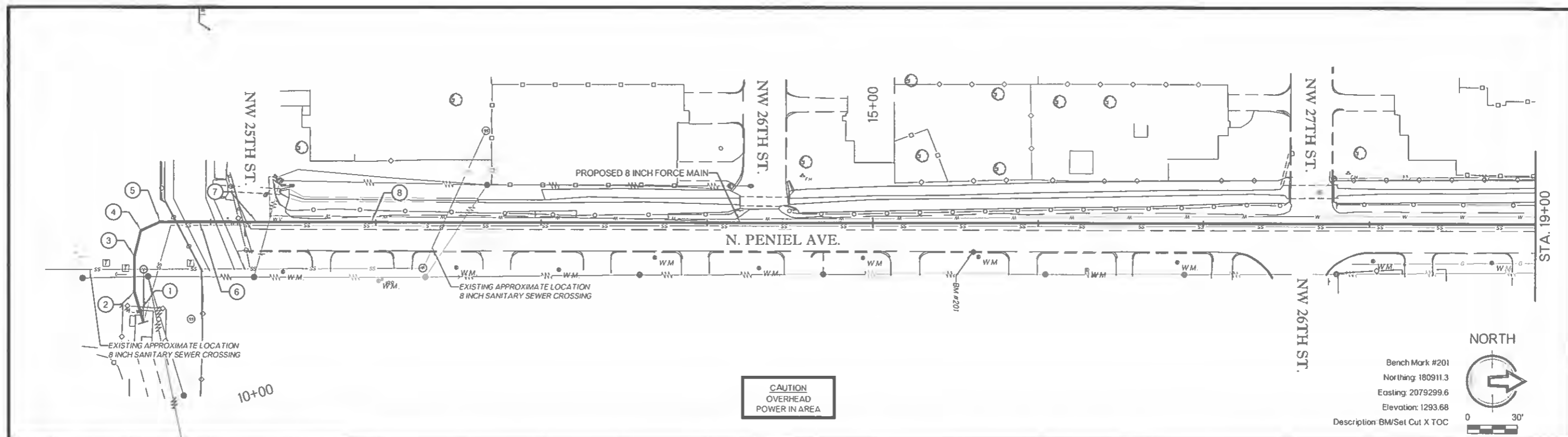


CITY OF BETHANY
**PENIEL AVENUE SANITARY SEWER
 IMPROVEMENTS NW 25TH STREET TO NW
 32ND STREET**

CIVIL
 PROJECT LOCATION MAP



SHEET NO.
AC04
 SHEET 5 OF 27



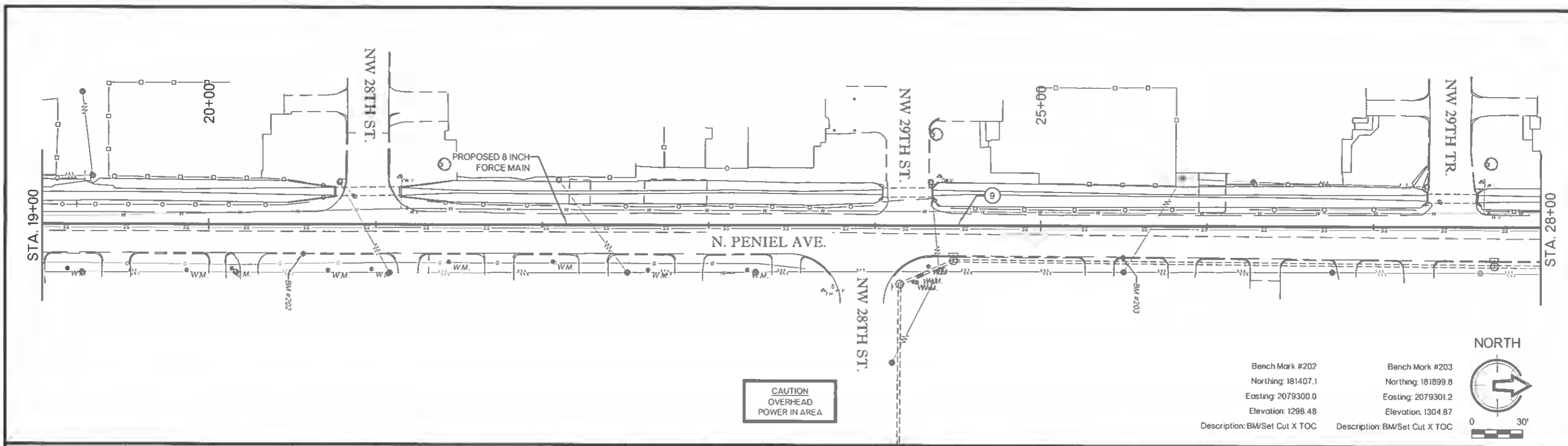
REV NO	DATE	DRWN	CHKD	REMARKS

SCALE	AS SHOWN
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DRAWN BY	BFIDDLER
CHECKED BY	PJG

	CITY OF BETHANY
	PENIEL AVENUE SANITARY SEWER
	IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET

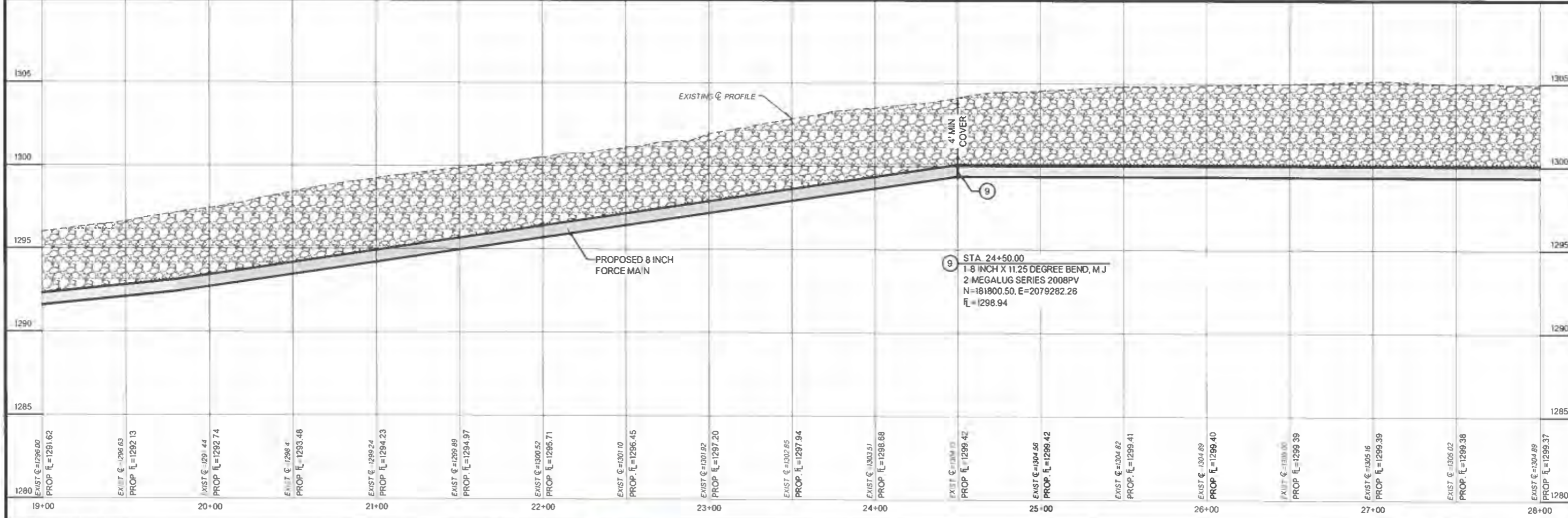
CIVIL
PROPOSED 8-INCH FORCE MAIN
PLAN & PROFILE

	SHEET NO
	CO01
	SHEET 6 OF 27



NORTH

Bench Mark #202	Bench Mark #203
Northing: 181407.1	Northing: 181899.8
Easting: 2079300.0	Easting: 2079301.2
Elevation: 1298.48	Elevation: 1304.87
Description: BM/Set Cut X TOC	Description: BM/Set Cut X TOC



REV NO	DATE	DRWN	CHKD	REMARKS

SCALE	AS SHOWN
DATE	05-03-2024
DRAWN BY	BFIDDLER
CHECKED BY	PJG

1280	EXIST. ϕ = 1296.00 PROP. ϕ = 1291.62	19+00
	EXIST. ϕ = 1296.63 PROP. ϕ = 1292.13	
	EXIST. ϕ = 1291.44 PROP. ϕ = 1282.74	20+00
	EXIST. ϕ = 1298.4 PROP. ϕ = 1293.46	
	EXIST. ϕ = 1299.24 PROP. ϕ = 1294.23	21+00
	EXIST. ϕ = 1299.89 PROP. ϕ = 1294.97	
	EXIST. ϕ = 1300.52 PROP. ϕ = 1295.71	22+00
	EXIST. ϕ = 1301.10 PROP. ϕ = 1296.45	
	EXIST. ϕ = 1301.82 PROP. ϕ = 1297.20	23+00
	EXIST. ϕ = 1302.65 PROP. ϕ = 1297.94	
	EXIST. ϕ = 1303.51 PROP. ϕ = 1298.68	24+00
	EXIST. ϕ = 1304.56 PROP. ϕ = 1299.42	25+00
	EXIST. ϕ = 1304.82 PROP. ϕ = 1299.41	
	EXIST. ϕ = 1304.89 PROP. ϕ = 1299.40	26+00
	EXIST. ϕ = 1305.16 PROP. ϕ = 1299.39	27+00
	EXIST. ϕ = 1305.02 PROP. ϕ = 1299.38	
	EXIST. ϕ = 1304.89 PROP. ϕ = 1299.37	28+00

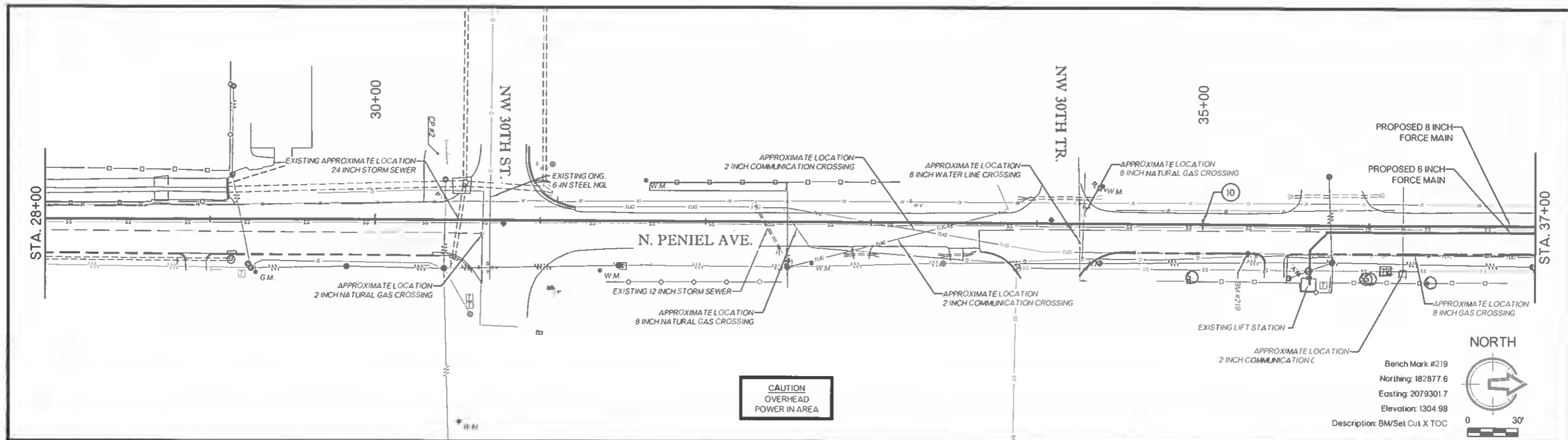


CITY OF BETHANY
**PENIEL AVENUE SANITARY SEWER
IMPROVEMENTS NW 25TH STREET TO NW
32ND STREET**

CIVIL
**PROPOSED 8-INCH FORCE MAIN
PLAN & PROFILE**



SHEET NO.
CO02
SHEET 7 OF 27

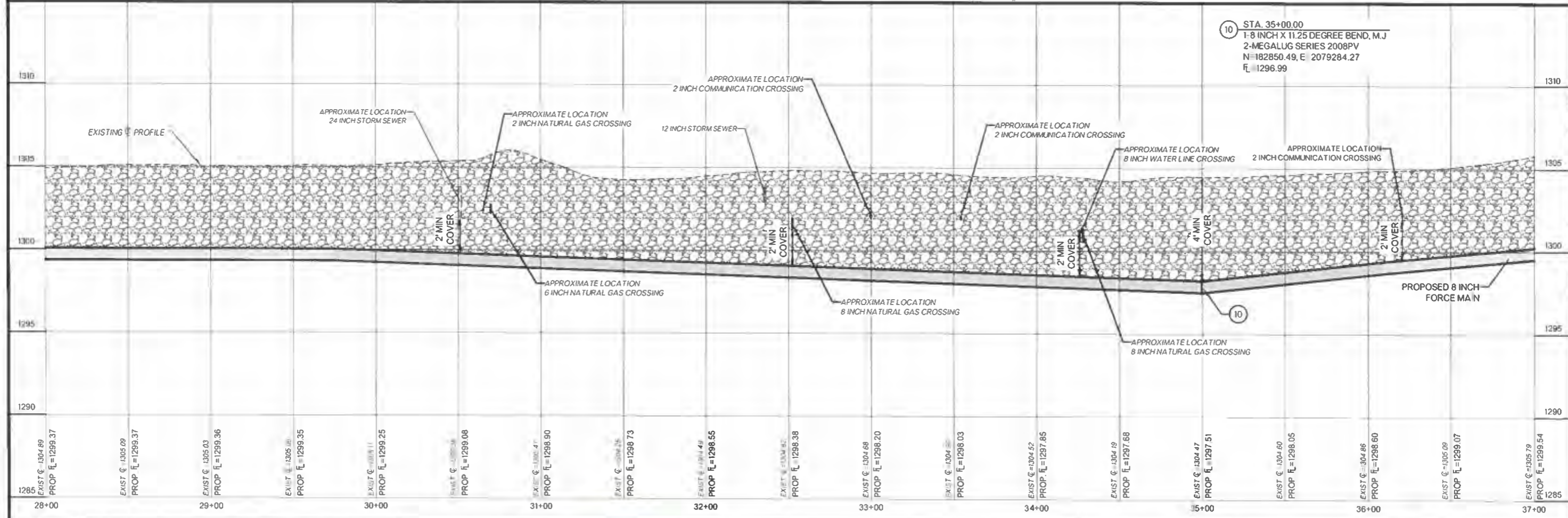


**CAUTION
OVERHEAD
POWER IN AREA**

NORTH

Bench Mark #219
 Northing: 182877.6
 Easting: 2079301.7
 Elevation: 1304.98
 Description: BM/Set Cut X TOC

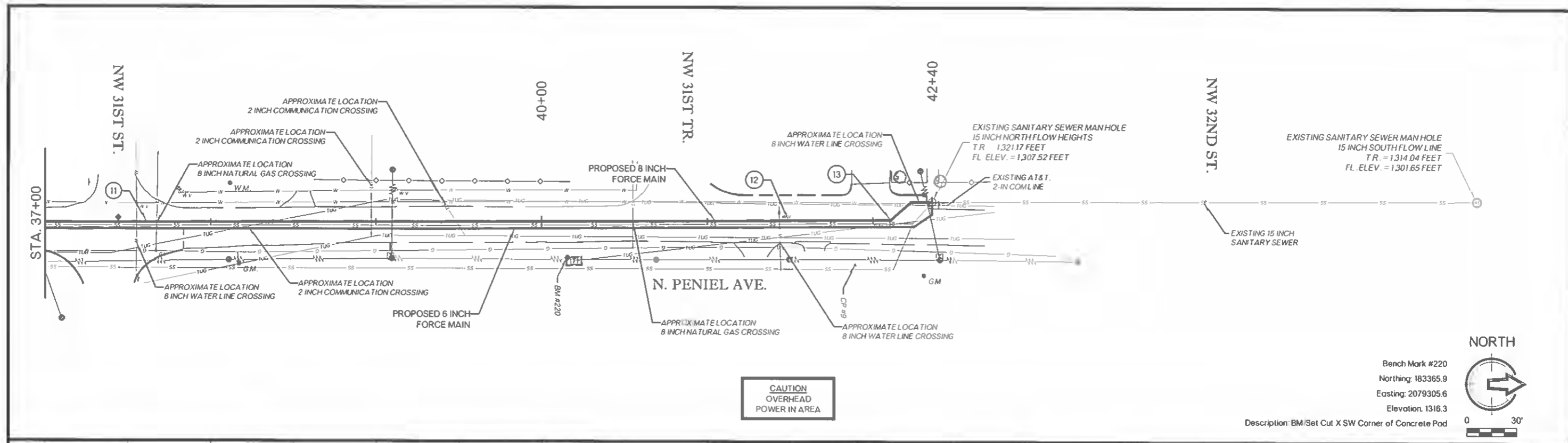
0 30'



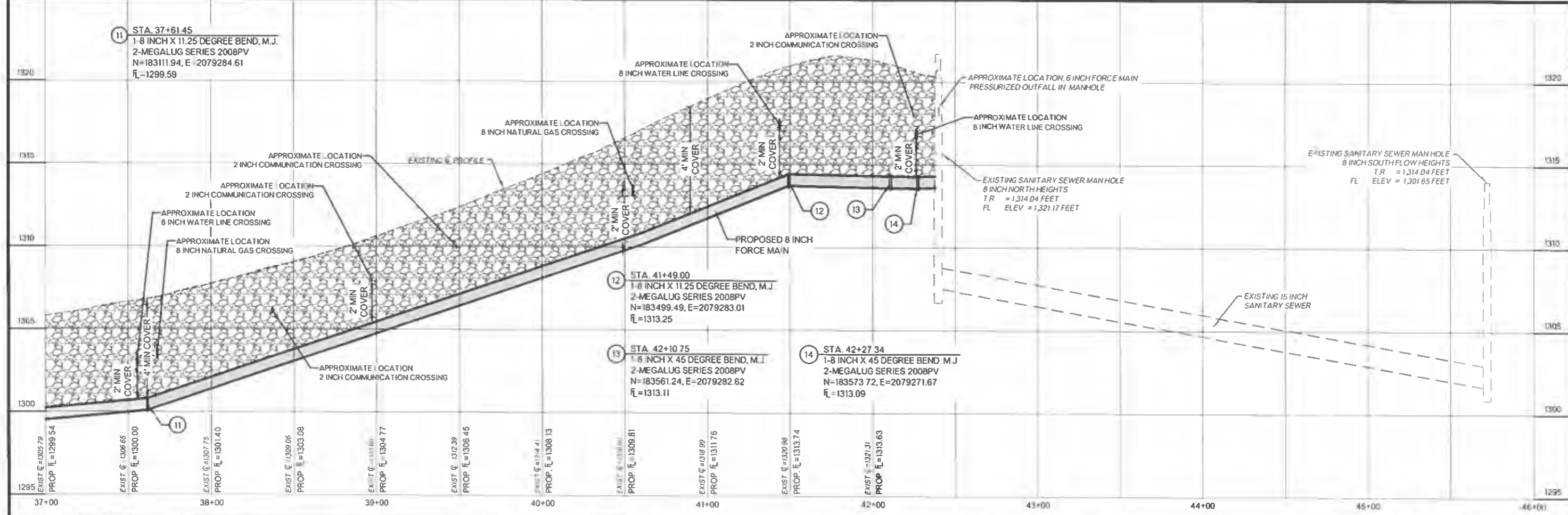
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SCALE	AS SHOWN
DATE	05-03-2024
DRAWN BY	BFIDDLER
CHECKED BY	PJG

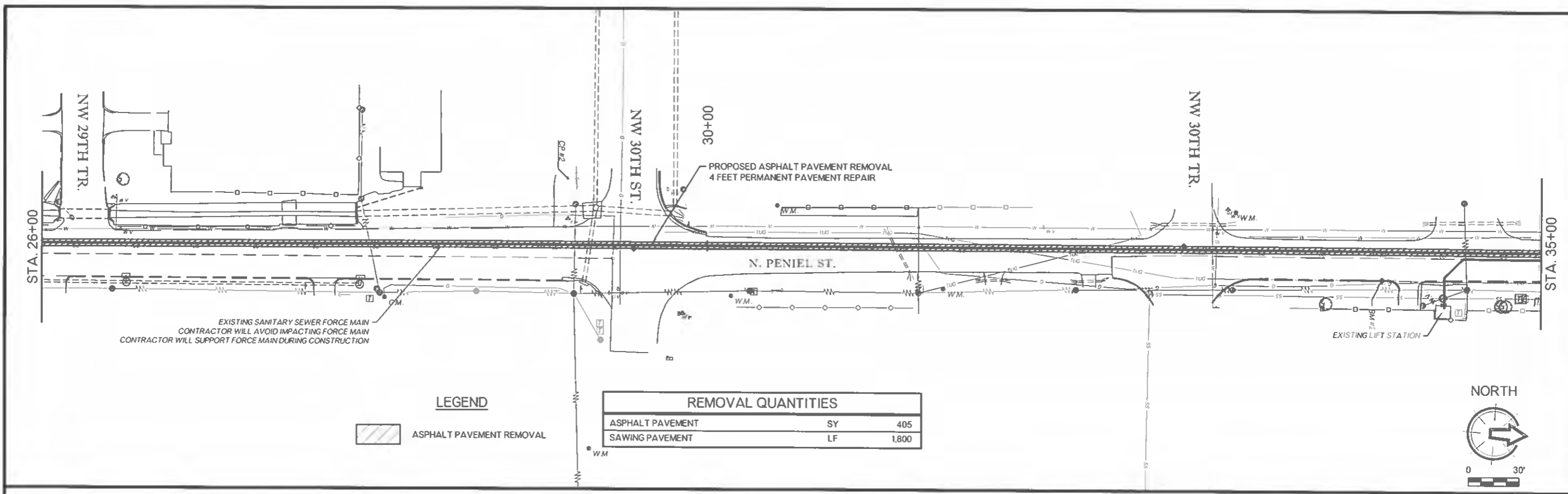
TEIM DESIGN	CITY OF BETHANY PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET	CIVIL PROPOSED 8-INCH FORCE MAIN PLAN & PROFILE		SHEET NO CO03 SHEET 8 OF 27
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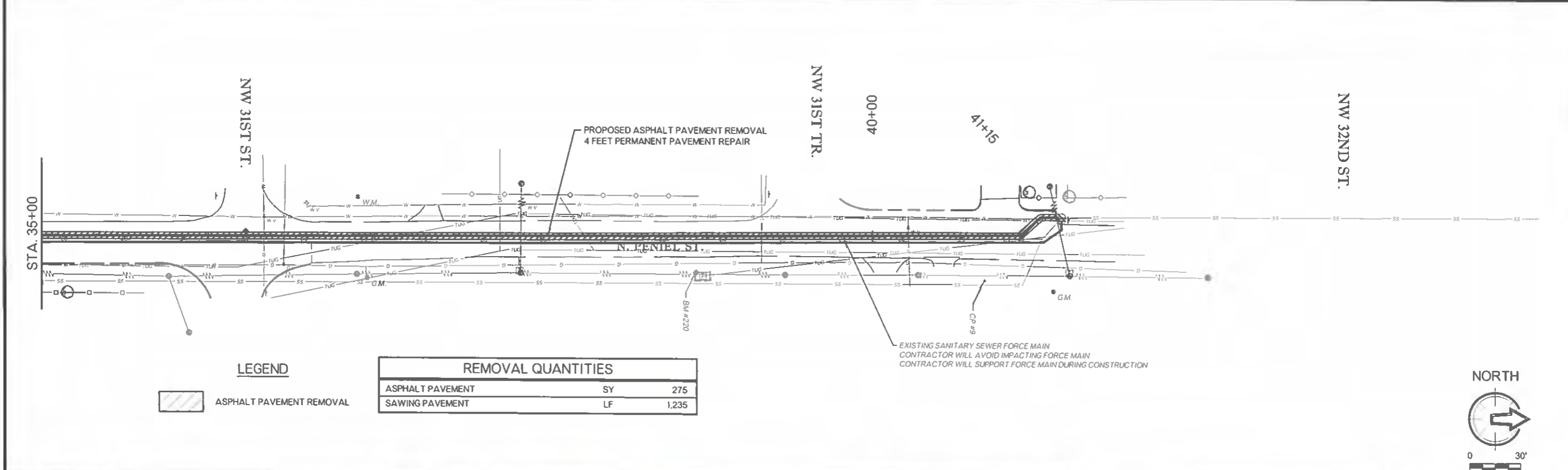
NORTH
 Bench Mark #220
 Northing: 183365.9
 Easting: 2079305.6
 Elevation: 1316.3
 Description: BM/Set Cut X SW Corner of Concrete Pad
 0 30'



<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV NO</th> <th>DATE</th> <th>DRWN</th> <th>CHKD</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV NO	DATE	DRWN	CHKD	REMARKS						SCALE AS SHOWN DATE 05-03-2024 DRAWN BY BFIDDLER CHECKED BY PJG		CITY OF BETHANY PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET	CIVIL PROPOSED 8-INCH FORCE MAIN PLAN & PROFILE		SHEET NO CO04 SHEET 9 OF 27
REV NO	DATE	DRWN	CHKD	REMARKS												



REMOVAL QUANTITIES		
ASPHALT PAVEMENT	SY	405
SAWING PAVEMENT	LF	1,800



REMOVAL QUANTITIES		
ASPHALT PAVEMENT	SY	275
SAWING PAVEMENT	LF	1,235

REV. NO.	DATE	DRWN	CHKD	REMARKS

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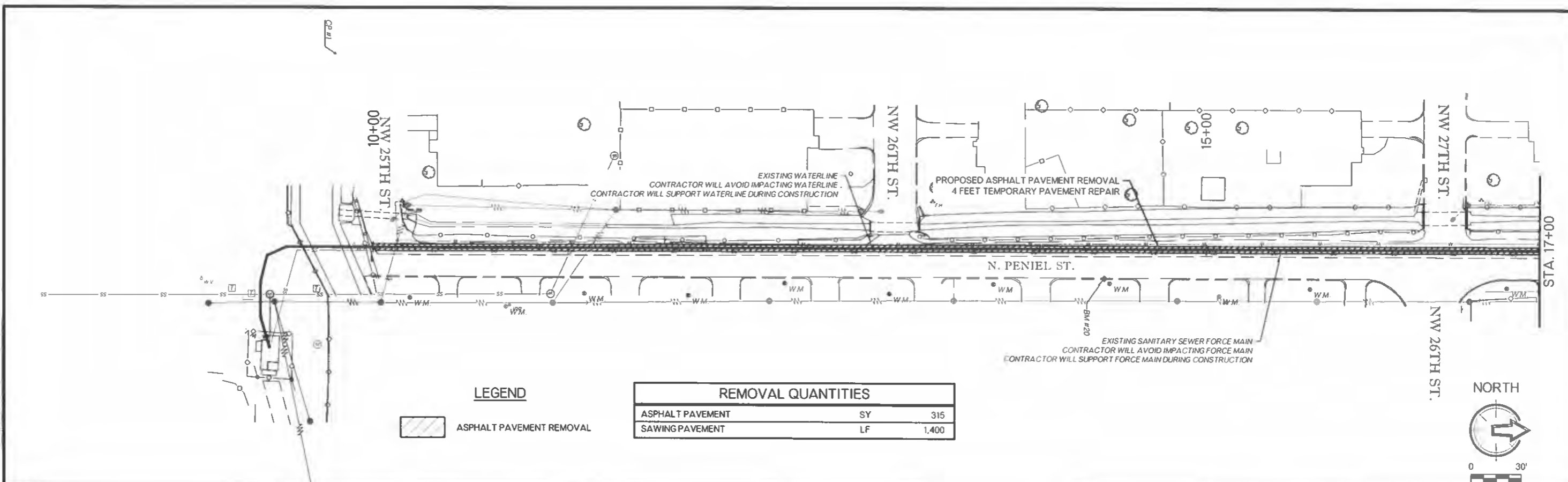


CITY OF BETHANY
 PENIEL AVENUE SANITARY SEWER
 IMPROVEMENTS NW 25TH STREET TO NW
 32ND STREET

CIVIL
 REMOVALS



SHEET NO.
 CO05
 SHEET 10 OF 27

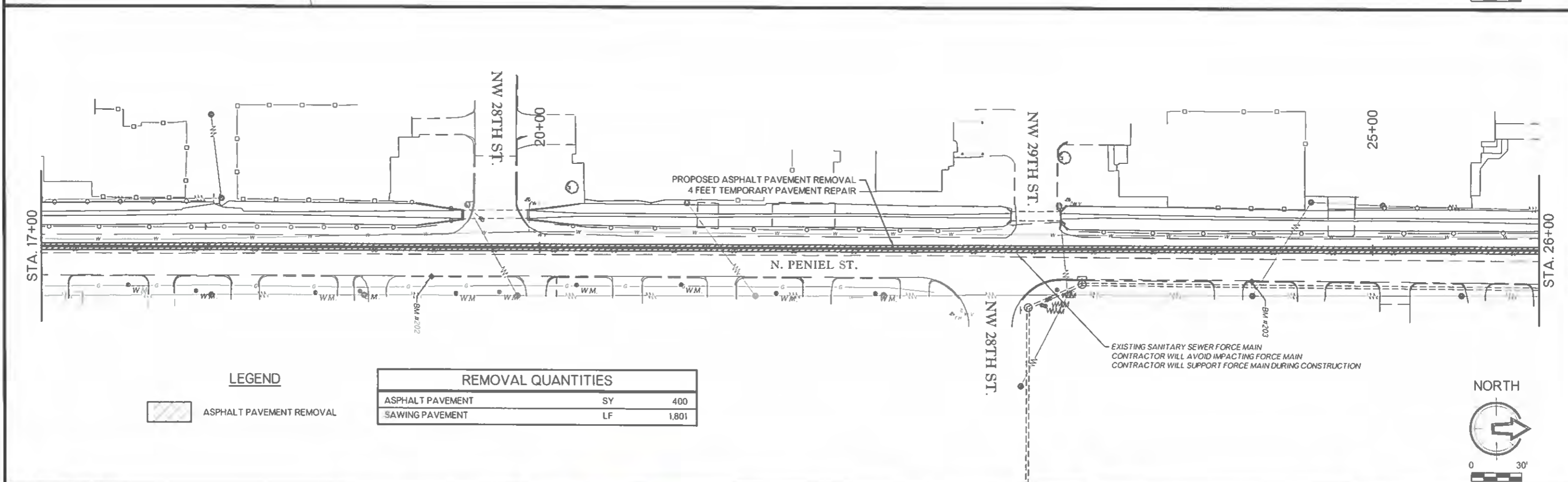


LEGEND

	ASPHALT PAVEMENT REMOVAL
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REMOVAL QUANTITIES

ASPHALT PAVEMENT	SY	315
SAWING PAVEMENT	LF	1,400



LEGEND

	ASPHALT PAVEMENT REMOVAL
--	--------------------------

REMOVAL QUANTITIES

ASPHALT PAVEMENT	SY	400
SAWING PAVEMENT	LF	1,801

REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE AS SHOWN
 DATE 05-03-2024
 DRAWN BY BFIDDLER
 CHECKED BY PJG

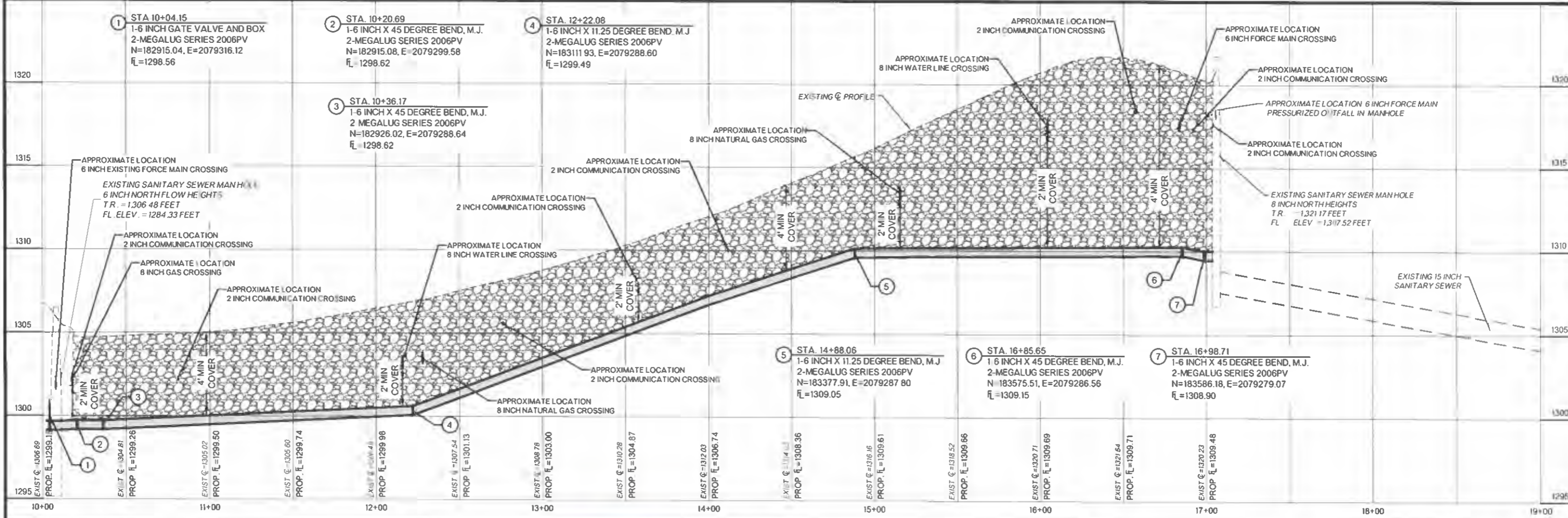
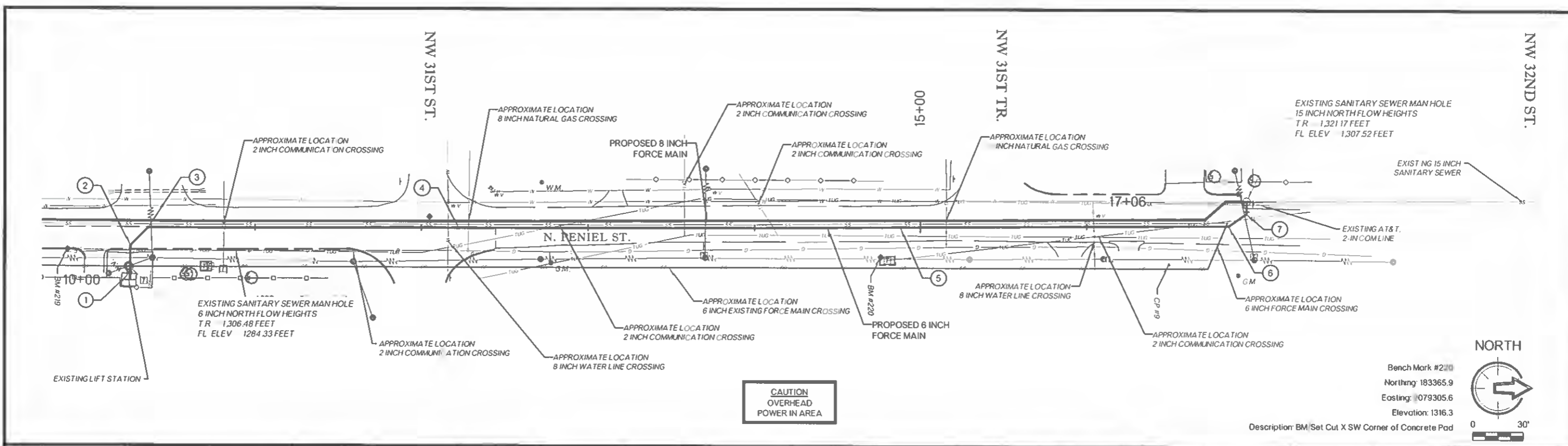


CITY OF BETHANY
 PENIEL AVENUE SANITARY SEWER
 IMPROVEMENTS NW 25TH STREET TO NW
 32ND STREET

CIVIL
 REMOVALS



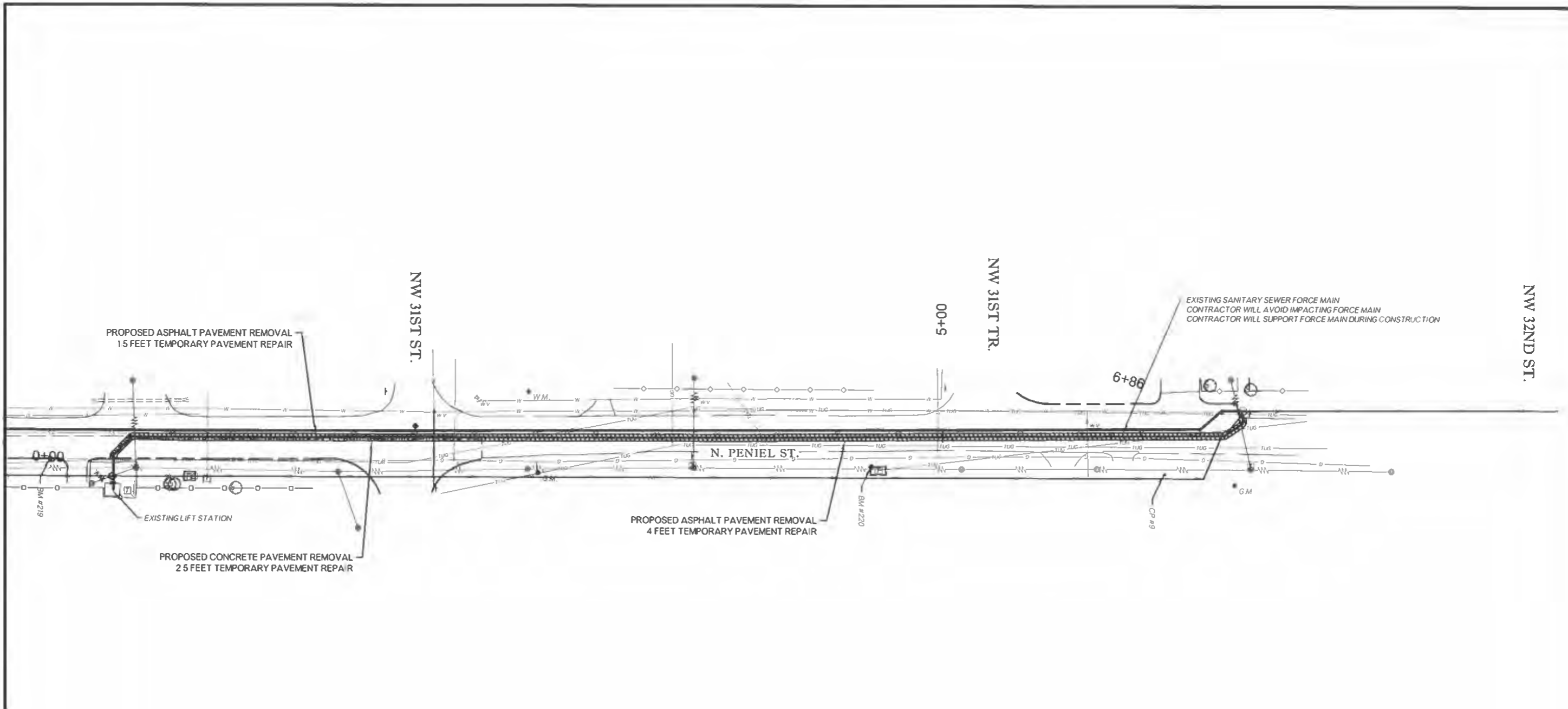
SHEET NO.
 C006
 SHEET 11 OF 27





REV NO	DATE	DRWN	CHKD	REMARK

SCALE	AS SHOWN
DATE	05-03-2024
DRAWN BY	BFIDDLER
CHECKED BY	PJG

		CITY OF BETHANY PENIEL AVENUE SANITARY SEWER IMPROVEMENTS NW 25TH STREET TO NW 32ND STREET		CIVIL PROPOSED 6-INCH FORCE MAIN PLAN & PROFILE				SHEET NO. CO07 SHEET 12 OF 27	
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LEGEND

-  ASPHALT PAVEMENT REMOVAL
-  CONCRETE PAVEMENT REMOVAL

REMOVAL QUANTITIES

ASPHALT PAVEMENT	SY	240
CONCRETE PAVEMENT	SY	65
CONCRETE CURB	LF	4
SAWING PAVEMENT	LF	1,370



REV NO	DATE	DRWN	CHKD	REMARKS

SCALE AS SHOWN
 DATE 05-03-2024
 DRAWN BY BFIDDLER
 CHECKED BY PJG

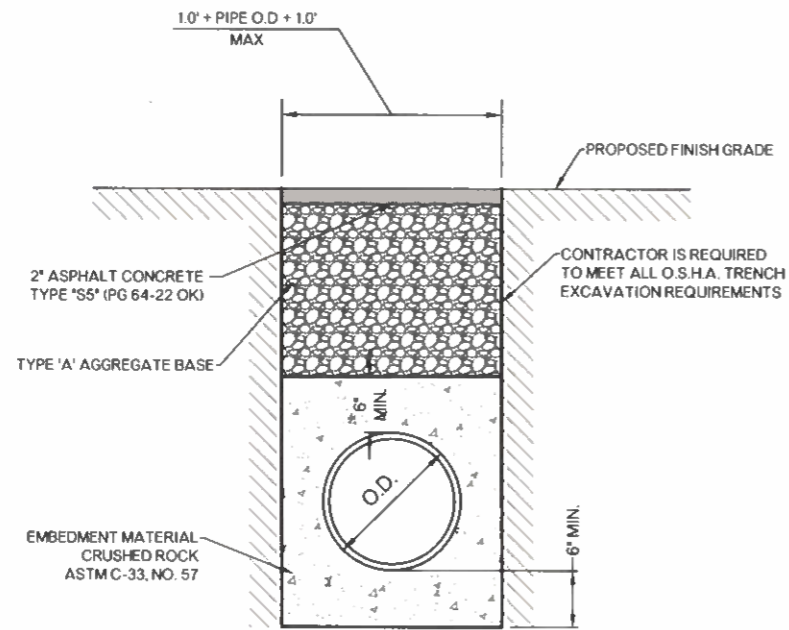


CITY OF BETHANY
**PENIEL AVENUE SANITARY SEWER
 IMPROVEMENTS NW 25TH STREET TO NW
 32ND STREET**

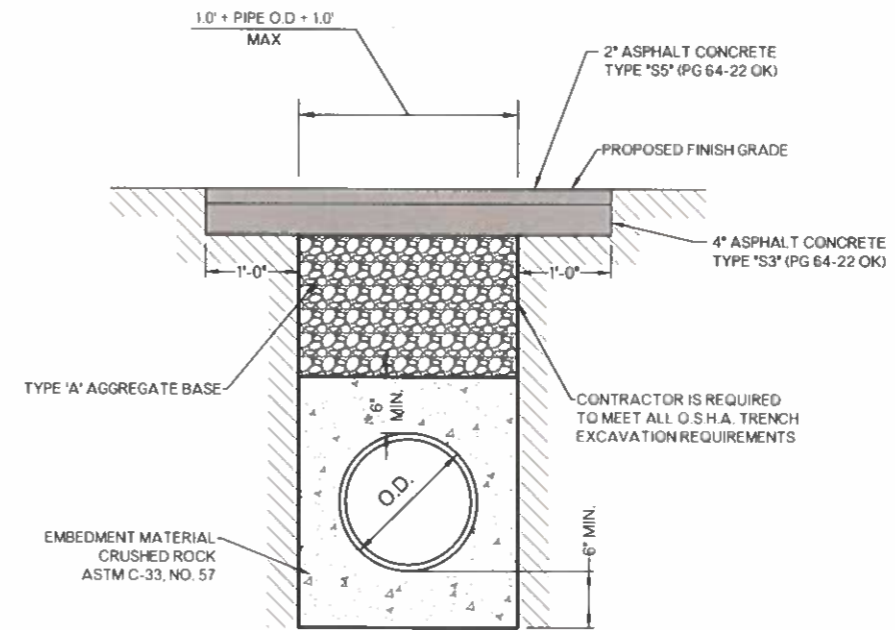
CIVIL
 REMOVALS



SHEET NO.
CO08
 SHEET 13 OF 27



TYPICAL PIPE BEDDING DETAIL
NW 25TH STREET TO NW 30TH STREET
 N.T.S.



TYPICAL PIPE BEDDING DETAIL UNDER ROADWAY
NW 30TH STREET TO NW 32ND STREET
 N.T.S.

REV NO	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
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CITY OF BETHANY
PENIEL AVENUE SANITARY SEWER
IMPROVEMENTS NW 25TH STREET TO NW
32ND STREET

CIVIL
 MISCELLANEOUS DETAILS



SHEET NO.
D001
 SHEET 15 OF 27

EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: NW 25TH ST TO NW 32ND ST ALONG N PENIEL AVE

PROJECT DESCRIPTION: FORCE MAIN INSTALLATION ALONG N PENIEL AVE

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:

- INSTALL SILT FENCE
- SOLID SLAB SODDING

TOTAL AREA TO BE DISTURBED: 0.46 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.9

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 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 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 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 DAMAGED DUE TO CONSTRUCTION.

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 05-03-2024
 DRAWN BY: BFIDDLER
 CHECKED BY: PJG



CITY OF BETHANY
 PENIEL AVENUE SANITARY SEWER
 IMPROVEMENTS NW 25TH STREET TO NW
 32ND STREET

GENERAL
 STORMWATER POLLUTION
 PREVENTION PLAN



SHEET NO.
 ER01
 SHEET 14 OF 27

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: May 21, 2024
Subject: Request Permission to Advertise for Bids for General Obligation Bond Proposition 1-H (Peniel from NW 25th to NW 30th) Pavement Improvement Project

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 1 that included Proposition 1-H (Peniel from NW 25th to NW 30th) Pavement Improvement Project:

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

TEIM Design now requests permission to advertise for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for General Obligation Bond Proposition 1-H (Peniel from NW 25th to NW 30th) Pavement Improvement Project

ADDITIONAL COMMENTS

Funding for this project will be provided from the 2022 Proposition 1, G.O. Bond





TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 10, 2024

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

Re: Request Permission to Advertise for Bids the Pavement Improvement Project G.O. Bond Proposition 1-H (N. Peniel Ave. from NW 25th to NW 30th)

Dear Ms. Gray,

We are requesting permission to advertise for bids the Pavement Improvement Project G.O. Bond Proposition 1-H (N. Peniel Ave. from NW 25th to NW 30th).

The project schedule is as follows:

Advertise for bids on May 24 and 31, 2024, in the Journal Record.
Mandatory Pre-bid meeting June 5, 2024, at 2:00 PM.
Open bids June 21, 2024, at 10:00 AM.

Should you need additional information please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'S. Manek', written in a cursive style.

Steve Manek, PE

Attachments: Project plans and specifications

SPECIFICATIONS
for
PAVEMENT IMPROVEMENT PROJECT
G.O. BOND PROPOSITION 1-H
(N. PENIEL AVE. FROM NW 25TH TO NW 30TH)

for the
CITY OF BETHANY
OKLAHOMA



BY:

TEIM DESIGN, PLLC
3020 NW 149th Street
Oklahoma City, OK 73134
Telephone: (405) 752-1122

TEIM Design, PLLC Project No. ET424.02

May 2024

APPROVAL SHEET

PAVEMENT IMPROVEMENT PROJECT

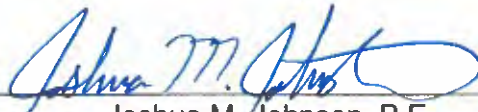
G.O. BOND PROPOSITION 1-H
(N. PENIEL AVE. FROM NW 25TH TO NW 30TH)

CITY OF BETHANY, OKLAHOMA

SUBMITTED BY

TEIM DESIGN, PLLC

THIS 9th DAY OF May, 2024



Joshua M. Johnson, P.E.



NOTICE TO BIDDERS

Notice is hereby given that the City of Bethany will receive sealed bids in the **Office of the City Clerk, located at Bethany City Hall, 6700 N.W. 36th Street, Bethany, Oklahoma, 73008** until **10:00 a.m. on Friday the 21st day of June, 2024**, for the construction of:

PAVEMENT IMPROVEMENT PROJECT

G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)

CITY OF BETHANY, OKLAHOMA

Bids shall be made in accordance with the Notice to Bidders, Requirements for Bidders, Plans, Specifications, and Bidder's Proposal, which are on file and available for examination at the Office of the City Clerk and are made a part of this notice as fully set forth herein and copy of which may be obtained from TEIM Design, PLLC, 3020 Northwest 149th Street, Oklahoma City, Oklahoma 73134 upon deposit of **\$50.00 per set**, all of which will be retained. All bids shall remain on file at least ten (10) days thereafter before a contract shall be made and entered into thereon.

Bids shall also be made in accordance with the prevailing hourly rates of wages (if applicable) for this locality and project as determined by the Commissioner of Labor and filed with the Secretary of State, a copy of which prevailing hourly rate of wages is made a part of this notice by reference as though fully set forth herein.

Bids received more than twenty-four (24) hours, excluding Saturdays, Sundays, and holidays, before the time set for opening of bids, as well as bids received after the time set for opening of bids, will not be considered and will be returned unopened.

A cashier's check, a certified check, or a surety bond in the amount of five percent (5%) of the bid shall accompany the sealed proposal of each bidder.

The City of Bethany reserves the right to reject any or all bids. Bids will be opened at **10:00 a.m. on Friday the 21st day of June, 2024**, in the **City Hall Building, 6700 N.W. 36th Street, Bethany, Oklahoma 73008**.

A mandatory pre-bid conference will be held at the City Hall Building, 6700 NW 36th Street, Bethany, Oklahoma 73008 on Wednesday, June 5, 2024, at 2:00 p.m. Attendance at the pre-bid conference is mandatory.

City Clerk

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ATTACHMENT – CONSTRUCTION PLANS

GENERAL PROVISIONS

GENERAL PROVISIONS

DEFINITION OF TERMS

2.01 - Definitions. Wherever the words, forms or phrases herein define, 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.T.O. - The American Association of State Highway Transportation 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.

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 therefore specified or otherwise required by law.

BIDDER - Any person or persons, partnership, company, firm or corporation acting directly through a duly authorized representative submitting a proposal for the work contemplated.

CALENDER DAY - Any day of the year.

CITY - City of Bethany, Oklahoma, a Municipal Corporation, acting through its duly authorized representatives or agents.

CITY AUDITOR - The City Auditor of the City of or their duly authorized assistants or agents.

CITY BUILDING DEPARTMENT - The City Building Department.

CITY CLERK - The City Clerk of the City, or their duly authorized assistants or agents.

CITY MANAGER - The Manager of the City.

CITY TREASURER - The City Treasurer of the City, or their 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 the Contractors, Proposals, Bonds, Specifications, including special Provisions, plans or working drawings and any supplemental agreements pertaining to the work or materials therefor.

CONTRACTOR - The persons or persons, partnership, company, firm or corporation entering into contract for the execution of the work acting directly through a duly authorized representative.

COUNCIL - The Council of the City.

DEVELOPER - The owner of a tract of land that has been subdivided into lots, blocks, streets, and alleys having street improvements made in accordance with these specifications by private contract.

DIRECTOR OF PUBLIC WORKS - The person acting within the scope of duly delegated authority.

ENGINEER - City Engineer or his duly authorized agents acting severally within the scope of the particular duties entrusted to them.

EXTRA WORK - Any work performed by the Contractor not provided for by the plans.

FURNISH - To supply.

MAINTENANCE BOND - The approved form of security furnished by the Contractor and his surety as a guarantee that he will maintain the work constructed by him, against any failure due to defective material or workmanship.

MAJOR PAY ITEM - Any item having an original contract value in excess of 10 percent of the original contract amount shall be considered as a major item or items. All other items shall be considered minor items.

MAYOR - The Mayor of the City and Chairman of the City of Bethany Works Authority.

MOBILIZATION - Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project; and for all other work and operations which must be performed, or costs incurred, prior to beginning work on the various items on the project site. Payment for same will be made as provided for in the Special Provisions.

MUNICIPAL COUNSELOR - The Municipal Attorney of the City or his duly authorized assistants or agents.

OWNER - The owner is that person or agency contracting for the proposed improvements.

PLAN OR PLANS - All of the drawings pertaining to the contract and made a part thereof, including such supplemental 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 or 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 a contract with the City and to execute the required bonds for the work contemplated after the work is awarded to him and as liquidated damages in event of failure to do so.

PROVIDE - To furnish and erect or install.

SPECIAL PROVISIONS - The special clauses setting forth conditions or requirements peculiar to the specific project involved, supplementing the Standard Specifications and taking precedent over any conditions or requirements of the Standard Specifications with which they are in conflict.

SPECIFICATIONS - The 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 kinds, quantities or qualities of materials to be furnished under the contract and methods of measurement and basis of payment.

STATUTORY BOND - The approved form of Surety furnished by the Contractor and his Surety as a guarantee that he will pay, in full, all bills and accounts for material and labor used in the construction of the work, as provided by law.

SUBSTANTIAL COMPLETION - The term "substantial completion" means that the work, structure, or facility has been made suitable for occupancy or use, and is in condition to serve its intended purpose, but may require minor miscellaneous work or adjustment.

SURETY OR SURETIES - The 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 construction activities included within the scope of the plans and specifications, 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 is suspended for causes beyond the Contractor's control, provided that Saturdays, Sundays, and legal holidays on which the Contractor's forces do engage in regular work will be considered as working days. A weekly schedule of working days charged to the job shall be submitted to the Engineer for his concurrence.

REQUIREMENTS FOR BIDDERS

2.02 - Requirements. The items noted in this section apply to and become part of the terms and conditions of the Proposal and Detailed Proposal as though they were included in their entirety. Any exceptions must be in writing.

2.03 - Content of Proposal Forms. Bids must be submitted on the Proposal Form and Detailed Proposal Form as appropriate. Said forms will be provided by the City and will state the general location and description of the contemplated work and 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.

2.04 - 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.

2.05 - Examination of Documents and Site of the Work. Bidders are advised that the plans and specifications of the Engineer on file with the City Clerk shall constitute all the information which the City will furnish. No other information given by the City or any official thereof prior to the execution of the contract shall ever become a part of or change the contract, plans or specifications or be binding on the City. Bidders are required, prior to submitting any proposal, to read carefully the specifications, the proposal, contract and bond forms; to examine carefully all estimates officially opened for examination and 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 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. It is mutually agreed that submission of a proposal will be evidence that the bidder has made the examination and investigations required herein.

2.06 - Preparation and Filing of Proposal. Bids and affidavits must be made in duplicate and filed in sealed envelopes within the time limit for receiving proposals, as stated in the Notice to Bidders, which envelopes shall bear a legible notation thereon "PROPOSAL" and the name of the project. The copies shall be filed with the City Clerk in the Municipal Building or as directed by the Notice to Bidders. All blank spaces in the proposal forms shall be correctly filled in and the bidder shall state the prices, typewritten or written in ink, both in words and numerals, for which he proposes to do the work contemplated or furnish the materials required. All prices shall be distinct and legible. In cases of conflict between the Proposal and Detailed Proposal, the unit prices specified on the Detailed Proposal 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 the 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.

2.07 - Proposal Affidavit. The bidder must execute the sworn statement found on the Proposal that the person signing the Proposal executed said Proposal in behalf of the bidder therein named and that he had lawful authority to do so, 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 whomever except those having a partnership or other financial interest with him in said bid, until after the said sealed bids are opened.

2.08 - Proposal Guaranty. Proposals will not be considered unless the original filed with the City Clerk is accompanied by a bidder's bond or certified or cashier's check in the required amount, made payable to the Treasurer of the City. The proposal guaranty shall be in the amount of five (5) percent of the total amount of the bid unless otherwise provided in the Advertisement or Special Provisions. 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 and as liquidated damages in event of failure to do so.

2.09 - Withdrawal of Proposals. Any bidder upon his or his authorized representative's written request, or by telegram to the City Clerk will be given permission to withdraw his proposal not later than the time set for opening thereof. After other proposals are opened and read, the proposal for which withdrawal is requested in a timely manner will be returned unopened.

2.10 - Opening of Proposals. The proposals filed with the City Clerk will be opened at the time stated in the advertisement and shall thereafter remain on file in the office of said City Clerk for 48 hours before any contract will be entered into, based on such proposal.

2.11 - Irregular Proposals. Any bid proposal that shows any omission, alteration of form, addition or condition not called for in any unauthorized bid proposal shall be deemed irregular; however, the City reserves the right to waive technicalities and make the award in the best interest of the City.

2.12 - Rejection of Proposals. The City reserves the right to reject any or all proposals and all proposals submitted are subject to this reservation. Proposal may be rejected for any of the following specific reasons:

- A. Proposals received before or after the time limit for receiving proposals as stated in the advertisement.
- B. Proposal prices obviously unbalanced.
- C. Total proposal price above the Engineer's estimate of total cost.
- D. Proposals that are incomplete insofar as the Non-Collusion Affidavit, required signatures, or containing any material irregularities.

- E. Failure to submit Proposal Guaranty.
- F. Bidder not pre-qualified unless pre-qualification is waived by the City of Bethany.
- G. Any other irregularity.
- H. Any bidder not pre-qualified with the City of Oklahoma City.

2.13 - Disqualification of Bidder. Bidders may 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.
- G. Any other matter which comes to the attention of the City which, in the sole discretion of the City, would cast reasonable doubt upon bidder's ability to perform the contract.
- H. Any bidder not pre-qualified with the City of Oklahoma City.

AWARD AND EXECUTION OF CONTRACT

2.14 - 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 approximated 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.

2.15 - Award of Contract. The City reserves the right to withhold the award of the contract for a period of time not to exceed thirty (30) days unless mutually agreed upon from the date of opening the proposals and no award will be made until the necessary investigations are made as to the responsibility of the low bidder. The low bidder must submit a financial statement. 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.

2.16 - Return of Proposal Guaranty. As soon as the proposal prices have been compared, the City may, at its discretion, return the proposal quantities accompanying proposals which in its judgment would not be considered in making the award. Should the awarding of the contract be delayed more than thirty (30) days, all bidders' 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.

2.17 - Surety Bonds. With the execution and delivery of the contract, the Contractors shall furnish and file with the City in the amounts herein 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.
- 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 good and sufficient Maintenance Bond will be required for a period of **two (2) years** for all improvements from the date of final acceptance of the project(s) by the City. Said bond shall be in the sum as stated on the Maintenance Bond Form.

All bonds shall be acceptable to the Owner. 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 conforming to the requirements of the City and acceptable to the City of Bethany. Each bond shall be executed by the Contractor and the Surety.

2.18 - 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 City Attorney, executed by the City of Bethany and delivered to the Contractor.

2.19 - 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 an 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 damage. The filing of a proposal will be considered as an acceptance of this provision.

SCOPE OF WORK

2.20 - Intent of Plans and Specifications. The intent of the plans and specifications is to prescribe a complete scope of work or improvement which the Contractor undertakes to do, in full compliance with the plans, specifications, special provisions, proposal and contract. The Contractor shall furnish all labor, materials, tools, equipment and incidentals necessary to the prosecution of the work, unless otherwise specified.

2.21 - Design, Drawing and Instructions. It is agreed that the Owner will be responsible for the adequacy of design and sufficiency of the Drawings and Specifications. The Owner, through the Engineer, or the Engineer and the Owner's representative, shall furnish drawings and specifications which adequately represent the requirements of the work to be performed under the Contract. All such drawings and instructions shall be consistent with the Contract Documents and shall be true developments thereof. Drawings and specifications which adequately represent the work to be done shall be furnished prior to the time of entering into the Contract. The Engineer may, during the life of the Contract, issue additional instructions, by means of drawings or other media, necessary to clarify the work or illustrate changes in the work.

2.22 - 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.

2.23 - Increased or Decreased Quantities of Work. Where the quantity of a major pay item in this contract is an estimated quantity and where the actual quantity of such pay item varies more than fifteen percent (15%) above or below the estimated quantity stated in this contract, as it may hereafter be modified, an equitable adjustment in the contract unit price shall be made upon demand of either party. If the quantity variation is such as to cause an increase or decrease in the time necessary for completion, the contract shall be increased or decreased on a basis commensurate with the amount and difficulty of the modified work.

2.24 - 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.

2.25 - 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 the prior approval of the City of Bethany.

Payment of extra work will be made as hereinafter provided.

2.26 - 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.

CONTROL OF THE WORK AND MATERIALS

2.27 - Authority of Engineer. The Engineer shall perform technical inspection of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the Contract. He shall also have authority to reject all work and materials which do not conform to the Contract and to decide questions which arise in the execution of the work.

2.28 - 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, any work done or materials ordered shall be at the Contractor's risk. The contract price shall include the cost of furnishing such drawings.

2.29 - Conformity with Plans. Allowable Deviations. All work shall conform to the lines, grades, cross-sections and dimensions 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 of Bethany before the work is commenced. Where an actual emergency exists, wherein the delay caused by submitting the change order to the City of Bethany 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 for consideration at its next regular meeting.

- A. Change orders submitted to the City of Bethany for approval shall bear the approval of the Engineer and shall be prepared in three copies, distributed as follows:
1. One (1) copy to the City;
 2. One (1) copy of the Contractor;
 3. One (1) copy to the Engineer.
- B. 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.
 6. Increase or decrease in contract working time.

2.30 - Changed Conditions. Should the Contractor encounter or the Engineer discover during the progress of the work subsurface or latent physical conditions at the site differing materially from those indicated in this contract or unknown physical conditions at the site, of any unusual

nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the contract, the Engineer shall be promptly notified in writing of such conditions before they are disturbed, or when discovered by the City, the Contractor shall be notified in writing of such conditions.

The Engineer will thereupon promptly investigate the conditions and if he finds they do so materially differ and cause an increase or decrease in the cost of, or the time required for performance of the contract, an equitable adjustment will be made and the contract modified in writing accordingly.

2.31 - Coordination of Plans, Specifications, Proposal and Special Provisions. The plans, these specifications, the proposal, Special Provisions, and all supplementary documents are intended to describe a complete scope of work and are essential parts of the contract. All requirements occurring in any of them are 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. In the event the Contractor or Engineer discovers any apparent error or discrepancy, he shall immediately call such error or discrepancy to the attention of the other.

2.32 - Cooperation of Contractor. Six sets of plans and specifications will be furnished the Contractor. The Contractor shall have a set of plans and 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.

2.33 - Cooperation of Engineer. The Engineer shall give to the work the consistent attention necessary to facilitate the program thereof, and he shall cooperate with the Contractor and his Superintendents and with other contractors in every way possible. The Owner shall provide a competent Inspector available at all times who is fully authorized as his agent on the work. Such Inspector shall be capable of reading and thoroughly understanding the plans and specifications.

2.34 - Construction Stakes. The Engineer will furnish the Contractor with control points for each line; however the Contractor shall be responsible for establishing all lines, grades, and measurements necessary to the proper prosecution and control of the work contracted for under these specifications. Such control points as the Engineer may set for either his own or the Contractor's guidance shall be scrupulously preserved by the Contractor. In case of negligence on the part of the Contractor or his employees resulting in the destruction of such control points, an amount equal to the cost of replacing the same may be invoiced to the Contractor at the option of the Engineer.

2.35 - 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 material 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 substance during its delivery and handling shall not be used in the work.

2.36 - 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. 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.

In all cases where the Engineer orders tests or inspections to be made by a testing laboratory, the costs of the tests shall be borne by the Owner, except as otherwise provided herein.

Testing shall be done only on written order of the Engineer on test order forms provided by the City; unless otherwise provided. Nothing in these specifications shall be construed as requiring a specific number of tests to be made; the minimum schedule of satisfactory tests, listed herein, will be furnished by the Engineer and performed by a testing laboratory designated by the City.

The reference made herein to the A.S.T.M. and A.A.S.H.T.O. are to establish a standard for quality of material, and shall not be construed as requiring tests for compliance with these specifications except on the written order of the Engineer as provided above.

A satisfactory test is defined as being a test which shows that the quality of the materials or workmanship meets the requirements of the specifications. Where tests reveal that the quality of the materials or workmanship does not meet the requirements of the specifications, additional tests shall be made as directed by the Engineer until the number of satisfactory tests called for in the schedule have been made. The reports of the tests shall constitute the evidence referred to above.

The Engineer may order tests in addition to the number provided for in the schedule to be made if, in his opinion, such additional tests are necessary. The cost of all tests ordered, in addition to the number of satisfactory tests provided for in the schedule, which show that the materials or workmanship conform to the specifications shall be paid for by the Owner.

All such tests which reveal that the materials or workmanship do not conform to the specifications shall be paid for by the Contractor.

2.37 - Storage of Materials. Materials shall be stored so as to insure the preservation of their quality and fitness for the work. Stored materials shall be located so as to facilitate prompt inspection.

2.38 - 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 portion 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 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 placing of the coverage, 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 material used without suitable supervision or inspection by the Engineer may be ordered removed and replaced at the Contractor's expense.

2.39 - 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 the 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 shall, after giving written notice to the Contractor, 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 to the Contractor. If the Engineer and City deem it in-expedient to correct work injured or done not in accordance with the contract, an equitable deduction from the contract price shall be made therefor.

2.40 - 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, which shall appear within a period of one year from the date of substantial completion. The City shall give notice of observed defects with reasonable promptness.

2.41 - Final Inspection. The Engineer shall make final inspection of all work included in the contract or any portion thereof.

LEGAL RELATION AND RESPONSIBILITY TO THE PUBLIC

2.42 - Laws to be Observed. The Contractor shall keep fully informed of all Federal and State Laws, all local laws, ordinances, safety codes, regulations and all orders and decrees of bodies or tribunals having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. He shall at all times observe and comply with all such laws, ordinances, safety codes, regulations, orders, and decrees; and shall protect and indemnify the City and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, safety code, regulation, order, or decree, whether by himself or by his employees.

2.43 - Permits and Licenses. The Contractor shall procure all permits and licenses, pay all charges or fees, and give all notices necessary for the lawful prosecution of the work. When the Contractor has filed a contract with the City, the City agrees to waive all incidental permits and fees.

2.44 - 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.

2.45 - Sanitary Provisions. All sanitary laws and regulations of the City and of the state of Oklahoma shall be strictly complied with.

2.46 - 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. Detours and routes are to be furnished by the City, or such will be set forth in proposal as a bid item. 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 boxes 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, save in cases 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 moneys 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.

When the Contractor is required to construct temporary culverts or bridges or make other arrangements for crossing over ditches or streams, his responsibility for accidents shall include the roadway approaches as well as the structures of such crossings.

2.47 - 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 delay in the construction. Excavated and waste materials shall be piled or stacked in such a way as not to interfere with space that may be designated to be left free and unobstructed, nor

inconvenience occupants of adjoining property. 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.

2.48 - Railway Crossings. When the work encroaches upon the right-of-way of any railway, the City will secure for the Contractor all the necessary contracts, easement, or authority to enter upon such right-of-way for the prosecution and completion of the work. Where railway tracks are to be crossed, the railway company, if it elects to do so, will construct the necessary bridges, trestles, cribs, or other structures for the safe operation of trains or cars across any excavation during the time of construction of the work, and the cost of construction of such bridges, trestles, cribs, or other structures shall be paid to the railway company by the Contractor. The price shall be the stated allowance as shown in the bid proposal. The Contractor shall take such special precautions for the safety of the work and the traveling public as may be necessary by sheeting, bracing, and thoroughly supporting the sides of any excavation and supporting and protecting any adjacent structures.

2.49 - Protection of the Public and of the Work. The Contractor shall continuously maintain reasonable protection of all work from damage, and shall take all reasonable precautions to protect the Owner's property from injury or loss arising in connection with this Contract. He shall make good any damage, injury or loss to his work and to the property of the Owner resulting from lack of reasonable protective precautions, except such as may be due to errors in the Contract Documents or caused by agents or employees of the Owner. He shall reasonably protect adjacent private and public property as required by Law and the Contract Documents.

The Contractor will be held responsible for all damage to the work due to failure of barricades, signs, light, and watchmen to protect it, and whenever evidence of such damage is found prior to acceptance, 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 of the maintenance of barricades, signs, and lights and for providing watchmen shall not cease until the project shall have been accepted by the City.

2.50 - Use of Explosives. Should the Contractor elect to use explosives to loosen rock or for any other purpose in the prosecution of the work, he shall obtain the required permits and the written permission of the Engineer before any blasting is done, but neither the issuance of said permits, the granting of said permission nor any other act, requirements, or condition contained in these specifications, nor any order, direction, or approval given by the Engineer or any other official or employee of the City shall be construed as requiring or directing the use of any explosive or as accepting any liability for any injury or damage to persons or property resulting from such usage. No blasting shall be done unless an Inspector is present and the Contractor shall notify the City Building Department when he is ready to begin any blasting work.

All necessary precautions shall be taken by the Contractor as required by the ordinances of the City or the laws of the state of Oklahoma relative to blasting and the necessary provisions shall be made for the protection of the new work and all blasting shall be so conducted as not to endanger persons or property. Only sufficient quantity of explosives necessary for the immediate day's work shall be kept on hand by the Contractor. Storage of caps, exploders, and explosives shall be done strictly in compliance with the orders of the Engineer and the ordinances of the City.

The Contractor shall be responsible for and shall make good any damage caused by blasting or accidental explosions.

The Contractor shall notify the proper representatives of any public service corporation not less than eight (8) hours in advance of any blasting which might cause damage to their property along or adjacent to the work. Wherever explosives are stored, they shall be kept in a safe, secure manner and all storage places shall be plainly marked "Dangerous Explosives", and shall be under the care of a competent watchman at all times.

2.51 - 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, pavement 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. 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 or 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 moneys due or to become due the Contractor under his contract.

2.52 - 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 markers from any moneys due or to become due the Contractor.

2.53 - Responsibility for Damage Claims. The Contractor and his surety shall defend, indemnify, and save harmless the City and/or 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, 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 damage as aforesaid shall have been finally settled and satisfactory evidence to that effect furnished to the City.

2.54 - 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 account, receipts, vouchers, bills of lading, and other books or papers containing any evidence as to the 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.

2.55 - 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 premises 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 premises 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.

2.56 - Temporary Sewer and Drain Connections. When existing sewers must 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 the rains, 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, pipe, 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 existing sewers and connection 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 so that no nuisance is created and that the work under construction will be adequately protected.

2.57 - Arrangement and Charge for Water Furnished by the City. If the Contractor desires to use City water, he shall pay the rate established by City ordinance for such service and he shall make complete and satisfactory arrangements with the City Water Department for so doing. Meters will be used and the Contractor shall deposit the cost of the water meter with the Water Department and will pay for all repairs and maintenance of the meter for the period which he has the meter in use or in his possession.

2.58 - 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 the City, unless duly authorized to do so by the Water Department.

2.59 - Contractor's Responsibility for the Work. Until final written acceptance of the project by the Engineer, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to un-foreseeable causes beyond the control of and without the fault or negligence of the Contractor, including but not restricted to acts of God, of the public enemy or governmental authorities.

2.60 - 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 to the Contractor, its agents, employees, subcontractors, or independent contractors upon the Engineer or his authorized assistants, either in person or as officials of the City, it being understood that in such matters he acts as the agent and representative of the City.

2.61 - Waiver of Legal Rights. Inspection by the Engineer or by any of his duly authorized representatives or any order, measurement, or certificate by the Engineer, of any work or any extension of time or any possession taken by the City, shall not operate as a waiver of any provisions 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 correct any error that may be discovered in any estimate that may have been paid and to adjust the same to meet the requirements of the contract and specifications. 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.

2.62 - 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.

2.63 - Compensation and Death Liability Insurance. The Contractor shall maintain and provide to the City evidence of maintenance during the life of this contract Workmen's Compensation Insurance as prescribed by the laws of the state of Oklahoma and Employer's Liability Insurance in an amount not less than One Hundred Thousand Dollars (\$100,000.00) 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 Liability Insurance for all the latter's employees, unless such employees are covered by the protection afforded by the Contractor. In the event any class of employees engaged in hazardous work performed under this contract at the site of the project is not protected under this 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.

2.64 - Public Liability and Property Damage Insurance.

A. Contractor's Insurance

1. The Contractor and/or Sub-contractor shall maintain during the life of this contract such Public Liability and Property Damage Insurance as will protect him from claims for damages for bodily injury, including accidental death, as well as from claims from property damages, which may arise from operations under this contract, whether such operations be by himself or by his sub-contractor or by anyone directly or indirectly employed by either of them and the amounts of such insurance shall be as follows:
2. Bodily Injury Liability in the amount of not less than \$500,000.00 for injuries including accidental death, to any one person, and subject to the same limit for each person, in an amount not less than \$1,000,000.00 for one accident.
3. Property Damage Liability. Limits shall be carried in the amounts of not less than \$100,000.00 for any one accident and an aggregate limit of \$1,000,000.00.

B. Owner's Insurance

1. Contractor shall provide Owner's Protective Liability Insurance with this City as the name insured, and the architects/engineers as additional insured, to protect the City and architects/engineers against claims arising out of operations of contractors and other independent contractors, as well as omissions of supervisory acts of the City and architects/engineers in connection with the performance of the contract covered by these specifications in the following minimum amounts:
2. Bodily Injury Liability in an amount not less than \$500,000.00 for injuries, including accidental death, to any one person, and subject to the same limit for each person, and an amount not less than \$1,000,000.00 for one accident.
3. Property Damage Liability. Limits shall be carried in the amounts of not less than \$100,000.00 for any one accident an aggregate limit of \$1,000,000.00.
4. Builder's Risk Insurance.
 - a. Extended coverage – The Construction Contractor shall procure and shall maintain, during the term of the Contract, builder's risk insurance (broad form coverage, including theft, fire coverage on building construction and/or renovation) on one hundred percent (100%) of the construction cost **plus** \$10,000, which is that portion of the City's deductible for property damage insurance applicable to the project facility. Such insurance shall remain in effect until 12:00 noon on the day following the date of final acceptance of the entire project, whether or not the building or some part thereof is occupied in any manner prior to final acceptance of the project by formal action of the City Council. The Contractor shall be named as insured and the City and/or any participating public trust (as their interests may appear) shall be named as additional insureds.

- b. Scope of Insurance – The insurance required above shall provide protection for the Construction Contractor, the City and any participating public trust, respectively, against damage claims which may arise from activities, omissions or operations under the Contract, whether such activities, omissions or operations are caused by an insured or by anyone directly or indirectly employed by an insured and, also, against any of the special hazards which may be encountered in the performance of the Contract. Neither the Construction Contractor nor any of its subconsultants, employees, or agents shall commit any act, operation or omission which would vitiate or impair the insurance coverage hereunder.
 - c. Materials, supplies and equipment stored off site – The Construction Contractor shall provide insurance on all stored materials, supplies and equipment when stored off site.
- C. The policies of insurance shall be executed by an insurance or indemnity carrier authorized to do business in the state of Oklahoma.
- D. Before awarding a contract, the City will be furnished a binder or certificate of insurance showing the coverage to be in effect.

2.65 - Proof and Carriage of Insurance. The Contractor shall furnish the City with satisfactory proof of carriage of the insurance required.

2.66 - Transportation Tax. Under provisions of Section 3475(b) of the Internal Revenue Code, as amended, the state of Oklahoma, its agencies and political subdivisions are exempt from payment of the transportation tax levied by Sub-Section (a) of Section 3475, in either of the following cases:

- A. When the property (equipment, goods, materials, etc.) is consigned to the State, its agencies, or political subdivisions, or
- B. When such property is consigned to the State, its agency or political sub-division in care of the Contractor.

If it is the policy of the City to take advantage of the savings afforded by the above-mentioned exemption, the Contractor agrees to comply with the following:

In determining the cost of material and computing freight charges do not include Federal transportation of property tax. Section 3475(b) of the Internal Revenue Code, as amended, exempts the City from this tax. The successful bidder will be furnished an appropriate exemption certificate form by the contracting authority, and will be authorized to have all shipments of construction materials and equipment entering into this contract consigned to the City in care of himself, thereby enabling him to take advantage of the above-mentioned exemption.

NOTE: Said exemption will not apply to shipments of fuel, lubricants, spare parts or items of construction equipment belonging to the Contractor which will not be incorporated in the construction project and which will not become the property of the City.

2.67 - Third Party Liability. It is specifically agreed between the parties executing this contract that it is not intended by any of the provisions of any part of the contract to create the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injury or property damage pursuant to the terms or provisions of this contract. The duties, obligations, and responsibilities of the parties to this contract with respect to third parties shall remain as imposed by law.

PROSECUTION AND PROGRESS

2.68 - Subletting of Work. The City will not recognize any subcontractor 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.

2.69 - 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 of Bethany 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 of his right, title or interest therein or any part thereof to any person or persons, partnership, company, 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 moneys 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.

2.70 - 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, 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. 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.

2.71 - Limitation 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 section on which work is in progress before the work is started on any additional section.

2.72 - 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, then the Engineer may withhold all estimates which are or may become due or may suspend 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 in these 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 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. The low bidder must submit a list of all equipment owned by the Contractor. 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 a 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.

2.73 - Day's Work. Contractor shall observe all state laws and City ordinances governing the hours of work.

2.74 - 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 be made in the manner hereinafter specified.

2.75 - 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 of Bethany. In adjusting the contract time for the completion of the projects, 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 amount 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.

2.76 - Failure to Complete Work on Time. The time of completion is of the essence to 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 increase 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 moneys due the Contractor, not as a penalty but as liquidated damages.

<u>Amount of Contract</u>	<u>Amount of Liquidated Damages Per Day</u>
Less than \$5,000.00	\$50.00
\$5,000.00 and less than \$15,000.00	\$75.00
\$15,000.00 and less than \$25,000.00	\$100.00
\$25,000.00 and less than \$50,000.00	\$150.00
\$50,000.00 and less than \$100,000.00	\$200.00
\$100,000.00 and over	\$300.00

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.

2.77 - 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.

2.78 - The Owner's Right to Terminate Contract. If the Contractor should file or have filed against a petition in bankruptcy, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed as a result of his insolvency, or if he should be guilty of a substantial violation of the contract as determined by the Engineer, then the Owner, upon the Certificate of the Engineer that sufficient cause exists to justify such action, may, without prejudice to any other right or remedy and after giving the Contractor and his Surety seven (7) days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, equipment and other facilities installed on the work and paid for by the Owner, and finish the work by whatever method he may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as herein provided, and the damage incurred through the Contractor's default shall be certified by the Engineer.

2.79 - 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 made by the City.

PAYMENT

2.80 - Payment for Extra Work. The extra work done by the Contractor, as authorized and approved by the Engineer and the City of Bethany, will be paid for in the manner hereinafter described and the compensation thus provided shall be accepted by the Contractor as payment in full and for all labor, materials, tools, equipment and incidentals, and all superintendents' and timekeepers' 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 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 the City before said work is commenced, subject to all other conditions of the contract.
- C. The hours and rates of labor and equipment and costs of materials used each day shall be submitted to the Engineer in a satisfactory form on the succeeding day and shall be approved by him or adjusted at once.

Payment for extra work is to be handled in the same manner as regular progress payments. The Contractor shall, on or before the 10th day 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.

2.81 - Partial Payment. Each month, the Engineer shall prepare and deliver to the City a statement showing as completely as practicable the total value of all work done by the Contractor up to and including the first day of the preceding month. This statement shall also include the value of all materials which meet the requirements of the specifications which have been delivered to and remain unused at the site of the work, and the quantity of which is within that needed for the completion of the work.

2.82 - Final Completion and Acceptance. Within thirty (30) days after the Contractor has given the Engineer and the City written notice that the work has been completed or substantially completed in accordance with the plans and specifications, the Engineer shall issue to the City and to the Contractor his Certificate of Completion or in the case of substantial completion, the Engineer shall issue his Certificate of Substantial Completion; and thereupon it shall be mandatory that the City within thirty (30) days issue a Certificate of Acceptance of the work to the Contractor. The time duration of any post-completion warranties made under the terms of this contract shall extend from the date of the Certificate of Acceptance by the Engineer.

2.83 - Final Payment. On or before the 10th day after the date of the certificate of completion or the Certificate of Substantial completion, the Engineer shall have made final measurements and shall have prepared a final statement of the value of all the work performed and materials furnished under the terms of this agreement, and shall have certified the final statement of the City and to the Contractor. The entire balance found to be due the Contractor, including the retained percentage, less a retention based on the Engineer's estimate of the fair value of the claims against the Contractor and the cost of completing the incomplete or unsatisfactory items

of work with specified amounts for each incomplete or defective item of work, is due and payable on or before the 15th day after the date of the Certificate of Completion or Certificate of Substantial Completion, subject to the procedure adopted by the City for processing claims.

Before issuance of final payment, the Contractor shall furnish to the Engineer and to the City, a sworn statement that he has paid for all of the materials, labor, equipment rentals, sub-contracts, and other expenses that form a part of this work, provided, however, that if he has contracts with any of the above which require payment only after receipt of payment from the City, such sworn statement shall except such obligations. Any materialmen, suppliers, equipment dealers, or sub-contractors who have not been paid in full shall be listed upon the sworn statement, showing the name and address, kind and amount of work done or material supplied, and the balance remaining due to such sub-contractor or supplier.

The City, upon receipt of a schedule showing that all the bills have not been paid as provided herein, may either hold the funds until such bills have been paid by the Contractor, or issue payment jointly to the Contractor and supplier or sub-contractor, as shown on said schedule.

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 or connected with the contract.

2.84 - Hourly Wage Rate. Not less than the prevailing hourly rate of wages as established by the Commissioner of Labor and filed with the Secretary of State, a copy of which shall be attached hereto and made a part hereof (if applicable), shall be paid to any workmen employed on this project.

SPECIAL PROVISIONS

SPECIAL PROVISIONS

GENERAL

This project consists of furnishing labor and materials and related incidental work required to make improvements to PAVEMENT IMPROVEMENT PROJECT G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH) FOR THE CITY OF BETHANY, OKLAHOMA.

The bid schedule contains further information identifying the work to be completed. Each particular item of work is described in some detail in the specifications. Throughout the specifications, types of materials may be specified by manufacturer's name or catalog number in order to establish standards of quality and performance and not for the purpose of limiting competition. Unless specifically stated otherwise, the Bidder may assume the phrase "or approved equal", except that the burden is on the bidder to prove such equality. If the bidder elects to do this, he must request the Engineer's approval in writing to substitute such items for the specified item, stating the cost difference involved with supporting data, and samples, if required, to permit a fair evaluation of the proposed substitute with respect to quality, serviceability, warranty, and cost. All materials shall be new, unless specifically approved by the Engineer in writing.

PROJECT DURATION

The work shall be commenced ten (10) days from the date on which a Work Order is issued and completed with a 120 calendar days. Liquidated damages shall begin after this date. Amount of liquid damages is stated in the General Provisions.

CONTRACTOR WILL BE REQUIRED TO COORDINATE THE PROJECT WITH THE CITY AND OTHER CITY CONTRACTOR THAT WILL INSTALL A SANITARY SEWER FORCE MAIN UNDER THE EXISTING PAVEMENT ON N. PENIEL FROM NW 25TH STREET TO NW 32ND STREET. THIS PAVING CONTRACT WILL REPLACE THE ROAD AFTER THE FORCE MAIN HAS BEEN INSTALLED.

INSURANCE

The Contractor shall purchase and maintain insurance in accordance with the General Provisions.

LAWS AND ORDINANCES

- A. All work performed under this contract shall be in full accordance with the laws and ordinances pertinent to such work. In case of any conflict wherein the methods or standards of installation or materials specified do not equal or exceed the requirements of the laws or ordinances, the laws or ordinances shall govern. All items required by the laws or ordinances but not specified or shown on the drawings shall be furnished without extra charge as if shown on specifications, plans and drawings.
- B. The words "laws and ordinances" as used herein shall mean all local, state, or national codes, laws, ordinances, standards, rules, or regulations of any nature which are in any way pertinent to, or regulatory over, the work covered by this section of the specifications.

TESTING

All tests shall be in accordance with the General Provisions and Standard Specifications. Costs of all tests on materials which meet specifications shall be borne by the City. Costs of all tests on materials which do not meet specifications shall be borne by the Contractor.

INTERPRETATION OF PLANS AND SPECIFICATIONS

The plans, 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 on 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, and request in writing an interpretation thereof by the Engineer at least five days before incurring any expense thereunder. Failure to so request shall be a complete defense to and waiver of any claim for damages by the Contractor.

RIGHTS-OF-WAY

The necessary rights-of-way for the structures will be provided by the City. The Contractor shall confine his construction operations to the immediate vicinity of the location shown on the plans and shall use care in placing construction tools, equipment, excavated materials, pipeline materials, and supplies so as to cause the least possible damage to property and interference with traffic. The placing of such tools, equipment, and materials shall be subject to the approval of the Engineer.

Any additional temporary construction right-of-way required shall be obtained by the City. The additional temporary right-of-way must be obtained prior to entering upon the property and doing any work.

FIELD CHECK OF EXISTING STRUCTURES

It shall be the responsibility of the Contractor to check all dimensions and elevations of existing structures, pipelines, equipment, or other existing items affected by or affecting the work under this contract. This shall be done prior to the start of construction or ordering of materials and equipment affected thereby.

The Contractor's attention is directed to the Information for Bidders which requires that each bidder visit the site of the work to familiarize himself with the arrangement and condition of existing construction.

The Contractor shall be solely responsible for determining the extent and costs of all removal and salvage operations. Any delay or extra expense to the Contractor due to encountering construction, piping, or equipment not shown or in locations different from those indicated on the plans shall not constitute a claim for extra work, additional payment, or damages.

PROTECTION OF PUBLIC AND PRIVATE PROPERTY

The Contractor shall protect, shore, brace, support, and maintain all underground pipes, conduits, drains, and other underground construction uncovered or otherwise affected by the construction work performed by him. All pavement, surfacing, driveway, curbs, walks, buildings, utility poles, guy wires, fences, and other surface structures affected by construction operations, together with all sod and shrubs in yards and parking areas, shall be restored to their original condition as determined and approved by the Engineer, whether within or outside the Owner's right-of-way. All replacements shall be made with new materials. The Contractor shall be responsible for all damage to streets, roads, highways, shoulders, ditches, embankments, culverts, bridges, and other public or private property, regardless of location or character, which may be caused by transporting equipment, materials, or men to or from the work or any part of it thereof, whether by him or his subcontractors. The Contractor shall make satisfactory and acceptable arrangements with the owner of, or the agency or authority having jurisdiction over, the damaged property concerning its repair or replacement, or payment of costs incurred in connection with the damage.

WATER

All water that is required in connection with the work to be done under this Contract will be furnished in the vicinity of the site, by the Owner, provided:

- A. The Contractor shall procure such water in the location and in the manner designated by the Engineer.
- B. The Contractor at his own expense shall make authorized connections and provide means for delivering the water to the work site.
- C. The Contractor shall pay the established rate in accordance with the General Provisions if required by the City.

CONNECTIONS WITH EXISTING PIPELINES

Where connections are made between new work and existing pipelines, such connections shall be made in a thorough and workmanlike manner and to the satisfaction of the Engineer. Each connection with an existing water line shall be made at a time and under conditions as authorized by the Owner. Suitable facilities shall be provided for proper dewatering, drainage, and disposal of all water removed from the dewatered lines and excavations without damage to adjacent property. Water main installation specifications adopted by the City are included or referenced in the specifications for use in this project as applicable.

ELECTRIC SERVICE FOR CONSTRUCTION

Construction power may be obtained from the City facilities at points where service is available. Approval of points of connections, size of loads that can be connected at connection points, and type of connection shall be obtained from the Engineer and Public Works Superintendent. The Contractor, at his sole expense, will provide any additional electrical distribution to any point in the project area where electrical power is required beyond the points where electrical power is available and provided by the Owner. The Contractor will reimburse the City for such electrical service in accordance with a negotiated schedule if required by the City.

QUALIFICATION REQUIREMENTS

Contractor must be listed by the City of Oklahoma City Contractor's Prequalification Board as Pre-qualified in the area of Paving Contractor "B" under the provisions of the City of Oklahoma City Ordinance No. 26,614 approved December 9, 2020.

The Contractor shall keep on the work during its progress a competent, qualified general superintendent and any necessary assistants, all satisfactory to the City and the Engineer. The General Superintendent shall not be changed without consent of the City and the Engineer unless he proves to be unsatisfactory to the Contractor and ceases to be in his employ. The General Superintendent shall represent the Contractor in his absence, and shall have complete authority to make decisions requiring immediate action. All directions given to him by the Engineer shall be as binding as if given to the Contractor. Important directions shall be confirmed in writing to the Contractor. Other directions shall be so confirmed on written request in each case. The General Superintendent shall coordinate the work of the subcontractors and be responsible for all their activities. The Contractor shall give efficient supervision to the work, using his best skill and attention. He shall carefully study and compare all drawings, specifications, and other instructions, and shall report at once to the Engineer any error, inconsistency, or omission which he may discover.

PROJECT LOCATION

G.O. BOND PROPOSITION 1-H, (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
BETHANY, OKLAHOMA.

QUANTITY

The City of Bethany, Oklahoma does not guarantee any specific quantities of items. All listed quantities are estimated only. Claims will be processed to cover work as it is completed during the contract period. Bids are to establish unit prices only.

AMOUNT

This contract will be awarded for the base bid amount.

MATERIALS

1. All materials must meet the requirements as stated on the construction plans.

BASIS OF PAYMENT

Payment for items will be as shown in the detailed proposal.

AWARD OF CONTRACT

Award of contract shall be to the lowest and best total bid.

APPROVAL OF MATERIALS

Immediately after the contract is signed and before ordering materials, the Contractor shall make written request to the Engineer for and obtain his approval of the use of any materials, construction, etc., other than those mentioned as standard in the specifications or so indicated on the drawings and obtain his approval of materials, construction, etc., proposed for use when "approved" materials or work are specified without mentioning any standard by name.

The terms "approved" or "approved equal" shall mean approved by the Engineer. Approval shall be based on performance specifications, availability of fully manned maintenance facilities within 100 miles of the site, and manufacturer's experience as further specified herein. Manufacturers must have at least five (5) years experience with five (5) functionally satisfactorily completed systems in this state unless otherwise specified. Sub-contractors and suppliers shall make all requests for approval through the Contractor.

Whenever a material or article is specified or described by using the name of a proprietary product or the name of a particular manufacturer or vendor, the specific item mentioned shall be understood as establishing the type, function, and quality desired. Other manufacturers' products will be accepted, provided sufficient information is submitted to allow the Engineer to determine that the proposed products are equivalent to those named. Such items shall be submitted for approval by the procedure set forth in the General Provisions. The words "or equal", although possibly not indicated after each proprietary specification, are implied as a result of the preceding statements in this paragraph.

INSTALLATION OF EQUIPMENT

- A. The Contractor shall be responsible for the installation, including the foundations, of all equipment, operating under the technical supervision of the manufacturer's representatives to the extent that supervision has been stipulated or is advisable to obtain proper results. All equipment not under the manufacturer's supervision of erection shall be installed in strict accordance with the manufacturer's instructions. The cost of all technical supervision shall be borne by the Contractor.
- B. Utmost care shall be used in the installation of all equipment to ascertain that no item of equipment is under any strain due to piping connections or for any other reason and that all equipment is placed in true alignment.
- C. If the Contractor furnishes equipment which will not fit or adapt itself to the structures as laid out, then all necessary structural changes or additions required by the Engineer shall be made at the Contractor's expense. The Engineer's decision as to any changes or additions to the structures, in order that the equipment will function properly or for its proper installation and economical use, will be final and conclusive.

OPERATING DATA AND PROCEDURES INFORMATION

Prior to final acceptance of the project, the Contractor shall furnish the Engineer with four (4) copies of catalogs, parts lists, a recommended spare parts list, operation and maintenance instructions and any other pertinent and useful information for all major items of equipment. This information and data will be incorporated into an instruction manual for future reference covering the operation and maintenance of the facility.

GUARANTEE

The Contractor shall guarantee the work for the length of time as set forth below and shall leave the work in acceptable condition. Neither the final certificate nor payment nor any provisions in the contract documents shall relieve him of responsibility for negligence or faulty materials or workmanship within the extent and period provided; and upon written notice from the Engineer or the Owner, he shall remedy any defects due thereto and pay all expenses for any damages to other work resulting therefrom.

A Maintenance Bond will be required for all improvements, for a period of one (1) year from the date of final acceptance of the project by the City. Said bond shall be in the sum equal to one hundred percent (100%) of the Contract Price for the first year and fifteen percent (15%) for every year thereafter.

CLEAN-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 fashion as close as possible to its original condition. Waste materials removed from the site of the work shall be disposed of at locations satisfactory to the Engineer.

Immediately before final acceptance of the work as a whole, the Contractor shall clean all buildings, structures, etc., of all foreign matter. All brick, stone, metal or concrete surfaces shall be cleaned of all mortar, splashed concrete, stains, etc., and left in a neat, clean, workmanlike manner, to the satisfaction of the Engineer.

REMOVAL OF EQUIPMENT

All equipment designated for removal under this contract shall be transported to a location designated by the Engineer.

MATERIALS AND WORKMANSHIP

All materials shall be new, of the best grade of their respective kinds, free from all defects, and of the quality specified. The Contractor shall not start delivery of materials until the Engineer has approved the source of supply. Only materials conforming to the requirements of the City 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 City. 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 with dirt or any other foreign substances during its delivery and handling shall not be used in the work.

The workmanship shall be in all respects of the highest grade, and all construction shall be done by skilled technicians according to the best practice of the trade. All interface measurements and connections shall be the sole responsibility of the Contractor.

In general, all labor, material, equipment, operations, and procedures in these specifications shall be in conformance with the American Water Works Association Standards and Oklahoma

State Health Department Standards for Construction of Water and Sanitary Sewer Lines. These specifications are intended to supplement these standards to fit the needs or conditions expected to be encountered. The A.W.W.A. and Oklahoma Department of Environmental Quality Standards shall be considered as part of these specifications and shall be in effect with respect to this project.

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 work.

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 the 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 shall, after giving written notice to the Contractor, 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 in-expedient to correct work injured or done not in accordance with the contract, an equitable deduction from the contract price shall be made therefore.

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 of 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, which shall appear within a period of one year from the date of substantial completion. The City shall give notice of observed defects with reasonable promptness.

MEASUREMENT AND PAYMENT

The method of measurement and basis of payment for each item shall be as stipulated in the Proposal and include work sheets specified.

Percentage of work completed shall be indicated for each pay item.

The Contractor or his authorized representative at the end of each work day or as otherwise approved by the Engineer, shall establish and agree upon, with the inspector, the amount of those quantities which cannot be measured when the job is completed. These quantities are to be entered in the inspector's daily report and shall be the basis for the final estimate.

WAGE RATES

Not less than the prevailing hourly rate of wages as established by the Commissioner of Labor and filed with the Secretary of State (if applicable) shall be paid to any workman employed on this project if a copy is included in the specifications. No payment or payments shall be made by the City unless the Contractor has furnished to the City written evidence certifying hourly wages paid workmen on this project in all applicable classifications and forms provided by the City.

PRE-BIDDING INSPECTION OF SITE

Contractor shall visit the City of Bethany and familiarize himself with all conditions affecting his work and include in his bid an amount sufficient to cover all work.

BID REJECTION

The City of Bethany reserves the right to reject any part of the bid or reject all bids.

RETAINAGE

Pursuant to paragraphs 2 and 3 of the contract, the retainage will be 5% for the project.

REMOVE AND REPLACE FENCES

If it is necessary for the Contractor to remove and replace fences at certain locations along the construction alignment, all fences that are moved or disturbed by construction operations shall be replaced or repaired in place in their original condition as soon as possible after the construction is completed. The cost of removal and replacement of fences shall be included in the cost for other pay items or included in the lump sum bid price.

BARRICADES AND WARNING SIGNS

Where work is carried on in or adjacent to any street, alley, or public place, the Contractor shall, at his own expense, furnish and erect such barricades, fences, lights and danger signals; shall provide such watchmen and take such other precautionary measures for the protection of persons or property and of the work as are necessary. Barricades shall be renewed as often as necessary to keep the work substantially covered. From sunset to sunrise, the Contractor shall furnish and maintain at least one (1) light at each barricade. A sufficient number of barricades shall be erected to keep vehicles from being driven on or into any work under construction. The Contractor shall furnish watchmen in sufficient numbers to protect any new work. Failure to comply with these requirements will result in the Engineer shutting down the work until the Contractor shall have provided the necessary protection.

PROTECTION OF EXISTING STRUCTURES

The Contractor shall provide all necessary sheeting, shoring, and other bracing and supports to protect improvements adjacent to the construction. This work shall be incidental and shall not be paid for separately but shall be included in the unit price bid for other items.

TREE REMOVAL

All trees lying within the temporary construction easement area or private property shall not be removed or damaged. Any damage to trees resulting from construction activities will be the responsibility of the Contractor.

SUB-SURFACE CONDITIONS

No additional payments will be made for the excavation of sandstone or shale encountered in trench excavations. When the foundation is hard material, the hard material shall be removed to a depth not less than six (6) inches below grade. The material removed below grade shall be replaced with Crushed Rock Cradle material thoroughly compacted in place to the Finish Grade Elevation.

NOTE: The Contractor shall satisfy himself to the condition of the subsurface and shall include cost for any difficulties in bid price of other items.

LAYOUT OF WORK AND SURVEYS

- A. The Engineer will establish control points at the site of the work.
- B. From the control points established by the Engineer, the Contractor shall complete the layout of the work and shall be responsible for all measurements that may be required for the execution of the work to the location and limit marks prescribed in the specifications or on the contract drawings, subject to such modifications as the Engineer may require to meet changed conditions or as a result of necessary modifications to the contract work.
- C. The Contractor shall furnish at his own expense, such stakes, templates, platforms, equipment, tools and materials, and all labor as may be required in laying out any part of the work from the control points established by the Engineer. It shall be the responsibility of the Contractor to maintain and preserve all stakes and other marks established by the Engineer until authorized to remove them. If such marks are destroyed by the Contractor or through his negligence removed or altered prior to their authorized removal, they may be replaced by the Engineer, at his discretion, and the expense of replacement will be charged to the Contractor. The Engineer may require that work be suspended at any time when location and limit marks established by the Contractor are not reasonably adequate to permit checking of work.

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, pavement, driveways, sidewalks, etc., to all water, sewer, gas or electric lines, or appurtenance 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, and 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 or 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 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.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

Technical specifications for all material, equipment and methods of construction shall conform to the City of Oklahoma City Standard Specifications for Construction of Public Improvements.

Technical specifications for this project are included in the attachments.

TRAFFIC CONTROL

All traffic control shall be installed in accordance with the latest edition of the Federal Highway Administration Manual on Uniform Traffic Control Devices (MUTCD).

CONTRACT AND BONDS

CONSTRUCTION CONTRACT

This Contract is made and entered into on the ___ day of _____, 20___, by _____ and _____ between the City of Bethany, an Oklahoma Municipal Corporation, hereinafter called "City," and _____ a(n) _____, hereinafter called "Contractor."

WITNESSETH:

WHEREAS, in accordance with the Charter of the City of Bethany and the Public Competitive Bidding act of 1974, 61 Okla. Stat. §§ 101 et seq. (hereinafter collectively referred to as "local and state law"), the City has caused to be prepared certain plans, specifications, and other bidding documents (the "Bidding Documents") for the work hereinafter described; and,

WHEREAS, in accordance with local and state law, the City has approved and adopted all of said Bidding Documents and has caused a Solicitation for Bids to be given and advertised and has received sealed bids for the furnishing of all labor and materials for:

PAVEMENT IMPROVEMENT PROJECT

G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)

as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of this Contract; and,

WHEREAS, Contractor, in response to said Solicitation for Bids, has submitted to the City, in the manner and at the time specified, a sealed bid in accordance with the terms of the Bidding Documents; and,

WHEREAS, the City, in the manner provided by local and state law, has publicly opened, examined and canvassed the bids submitted and has determined and declared the above-named Contractor to be the lowest responsible bidder on the above-described project; and,

WHEREAS, the City has duly awarded this Contract to said Contractor, for the sum named in the bid, to-wit:

_____ and ___/100 Dollars (\$_____).

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein stated and in consideration of the mutual benefits, which will accrue to the parties, the sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. Incorporation of Bidding Documents. This Contract hereby incorporates, as if fully set out herein, the Plans, Specifications, General Provisions, Special Provisions, Contractor's Proposal and any and all Addendums issued. All of these documents have been provided to and/or by the Contractor and are on file in the Office of the City Clerk of the City of Bethany. Hereinafter, these documents shall be collectively referred to as "Bidding Documents."
2. Engagement of Contractor. The City hereby engages Contractor to perform certain construction services for the benefit of the City. Contractor accepts such engagement pursuant to the terms and

conditions set forth herein. The Contractor is, and shall be, in the performance of all work, services and activities an independent contractor, and not an employee, agent, or servant of the City of Bethany. The tort liability of the City of Bethany is exclusively governed by the Oklahoma Governmental Tort Claims Act.

3. Scope of Engagement. Contractor shall, in a good and first-class, workmanlike manner, at its own cost and expense, furnish all labor, materials, tools and equipment required to perform and complete said work in strict accordance with the Bidding Documents, with the following additions and/or exceptions: (if none, so state.)
4. Payments to Contractor. The City shall make payments to the Contractor only after approval of the City Council. Contractor's invoice must be accompanied by signed affidavit as required by Oklahoma Statutes.
5. Bargaining. The City and the Contractor have had the opportunity to seek independent legal counsel before entering into this Contract. The language of this Contract shall be construed simply, according to its fair meaning, and not strictly for or against either party.
6. Hold Harmless. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City of Bethany from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the project, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, other than the project itself, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Paragraph. In claims against any person or entity indemnified under this Paragraph by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph shall not be limited on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workmen's compensation acts.
7. Third Party Beneficiaries. Nothing in this Contract, expressed or implied, is intended to confer upon any person other than the parties hereto and their respective assigns, any rights or remedies under or by reason of this Contract, except as provided expressly herein.

8. Notices. Whenever a notice is required to be given in writing and under the terms of this Contract, or any extension hereunder, such notice shall either be hand-delivered or mailed by certified mail, return receipt requested, and directed to the respective parties at the following addresses:

If to the City:

City of Bethany
6700 NW 36th Street
Bethany, OK 73008

If to Contractor:

or at such other address as a party shall specify by like notice to the other party hereto. Notices shall be effective on the date of delivery.

9. Counterparts. This Contract may be executed in any number of counterparts, and when each party has signed and delivered to the other at least one (1) such counterpart, each counterpart shall be deemed an original, and when taken together with other signed counterparts, shall constitute one (1) agreement; provided, however, this Contract shall not be binding upon the parties hereto until signed by all of the parties.
10. Integration and Amendments. This Contract constitutes the entire agreement between the parties and may not be amended, altered, modified or changed in any way except in writing signed by all parties to this Contract and which specifically references this Contract. There are no other agreements, representations or warranties, whether oral or written, regarding the subject matter of this Contract. No course of dealings involving the parties hereto and no usage of trade shall be relevant or admissible to interpret, supplement, explain or in any way vary any of the terms expressly set forth in this Contract. Any amendment to this Contract shall be attached to this Contract and all of the terms in this Contract not addressed in the amendment shall remain in full force and effect.
11. Binding Effect. This Contract binds the parties and any successors and assigns of the parties. The contract becomes effective only upon submission of a signed and notarized non-collusion affidavit.
12. Severability. If any one or more of the sections, sentences, clauses, or parts be held invalid for any reason, the invalidity of such section, sentence, clause, or part shall not affect nor prejudice the applicability and validity of any other provision of this Contract.

NON-COLLUSION AFFIDAVIT

State of Oklahoma)
) ss.
County of _____)

_____, of lawful age, being first duly sworn, on oath, says that (s)he is the agent authorized by the Contractor to submit the above Contract to the City of Bethany, Oklahoma. 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 valuable thing, either directly or indirectly, in the procuring of this Contract.

Signature

Printed Name/Title

Subscribed and sworn to before me this _____ day of _____, _____.

(SEAL)

Notary Public

My Commission Expires: _____
My Commission Number: _____

CONSTRUCTION BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma and the State of Oklahoma, hereinafter referred to as the Government, in the full and just sum Of

_____ for the payment of which, well and truly to be made, we and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this ____ day of _____, A.D., 20____.

The conditions of this obligation are such, that whereas, said Principal is the lowest and best bidder for the making of the following municipal work and improvement, viz:

**PAVEMENT IMPROVEMENT PROJECT
G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the ____ day of _____, 20____, for the erection and construction of said work and improvement all in compliance with the plans and specifications therefor, made a part of said contract and on file in the office of the City Clerk, and said contract is hereby made a part and parcel of this bond as if literally written herein.

NOW, THEREFORE, if the said Principal, _____ shall fully and faithfully execute the work and perform said contract according to its terms, conditions and covenants, and in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of THE CITY OF BETHANY and shall promptly pay or cause to be paid, all labor, material and/or repairs and all bids for labor performed on said work, whether by sub-contract or otherwise; and shall protect and save harmless the said Government and all interested property owners against all claims, demands, causes of action, losses or damage, and expense to life or property suffered or sustained by any person, firm or corporation by reason of negligence of the Principal or his or its agents, servants, or employees in the construction of said work, or by or in consequence of any improper execution of the work or act of omission or use of inferior materials by said Principal, or his or its agents, servants, or employees; and shall protect and save the Government harmless from all suits and claims of infringement or alleged infringement of patent rights or processes, then this obligation shall be void. Otherwise this obligation shall 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.

ATTEST:

Secretary

By _____
Principal

ATTEST:

Secretary

By _____
Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma, in the full and just sum of _____, such sum being equal to the contract amount for a period of one (1) year and thereafter for a period of one (1) year for the sum of _____, such sum being not less than 15% of the contract price, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this _____ day of _____, A.D., 20_____.

The conditions of this obligation are such, that whereas, said Principal, has a certain contract between _____ and the CITY OF BETHANY dated this _____ day of _____, 20____, agreed to construct in the City of Bethany:

**PAVEMENT IMPROVEMENT PROJECT
G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
BETHANY, OKLAHOMA**

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the City Clerk of the City of Bethany; and to maintain the said improvement in the amounts set forth above against any failure due to workmanship or material for a period of **two (2) year** from the date of acceptance of the completed project by the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal shall pay or cause to be paid to the Authority all damage, loss, and expense which may result by reason of defective materials and/or workmanship in connection with said work, occurring within a period of **two (2) years** from and after acceptance of said project by the Authority; and if Principal shall pay or cause to be paid all labor and materials, including the prime contractor and all sub-contractors; and if Principal shall save and hold the Authority harmless from all damages, loss, and expense occasioned by or resulting from any failure whatsoever of said Principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further agreed that if the said Principal or Surety herein shall fail to maintain said improvements against any failure due to defective workmanship and/or materials for a period of **two (2) years** and at any time repairs shall be necessary that the cost of making repairs shall be determined by the CITY OF BETHANY, or some person(s) designated by them to ascertain the same, and if, upon thirty (30) days notice, the said amount ascertained shall not be paid by the Principal or Surety herein, or if the necessary repairs are not made, that said amount shall become due upon the expiration of thirty (30) days and suit may be maintained to recover the amount so determined in any Court of competent jurisdiction. And that the amount so determined shall be conclusive upon the parties as to the amount due on this bond for the repair or repairs included therein, and that the cost of all repairs shall be so determined from time to time during the life of this bond as the condition of the improvements may require.

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.

ATTEST:

Secretary

By

Principal

ATTEST:

Secretary

By

Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, are held and firmly bound unto the STATE OF OKLAHOMA in the sum of _____, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this ____ day of _____, A.D., 20____.

The conditions of this obligation are such, that whereas, the above Bonded Principal _____ is the lowest and best bidder for the making of the following municipal work and improvements, viz:

PAVEMENT IMPROVEMENT PROJECT

**G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the ____ day of _____, 20____, for the erection and construction of said work and improvement, in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal, shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractor of said Principal who perform work in the performance of such, for labor and materials furnished by any supplier and consumed in the performance of said contract, and such repairs to and rental of machinery and equipment as may be furnished by a sub-contractor or to the person or persons contracting with this Authority 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 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.

ATTEST:

Secretary

By

Principal

ATTEST:

Secretary

By

Surety

Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

LIST OF DOCUMENTS REQUIRED FOR THIS BID

PAVEMENT IMPROVEMENT PROJECT

**G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
CITY OF BETHANY, OKLAHOMA**

TEIM Design, PLLC Project No. ET424.02

The Bidder is responsible for reviewing this list of required documents and any requirements of the General Provisions and assuring that each and every required document is properly completed, signed, and submitted with the Bid. Forms and Affidavits should be completed and submitted in accordance with provisions of the "Signature Requirements for Bidding Documents." Bids not submitted in accordance with these requirements will be recommended for rejection.

DOCUMENTS REQUIRED FOR THIS BID

Bid Form
Detailed Bid Form (if provided in the Bidding Documents)
Bid Bond
Anticollusion Affidavit
Affidavit of Surety
Business Relationship Affidavit
Certificate of Non-Discrimination
Affidavit of Non-Boycotting of Energy Companies

For the purpose of determining that a bid is properly submitted, Bidder should submit the properly completed and executed documents listed on this page. Bidder should also review the General Provisions and the Special Provisions for any other required documents. Failure to submit a document required in the General or Special Provisions may be cause for rejection of the bid. However, the contracting public entity reserves the right to require timely submission of document(s) required in the Special Provisions.

Forms Not in Packet. If an item is listed on this page or in the Special Provisions and the form is not included in this packet, it is the Bidder's responsibility to obtain the form from the Office of the City Clerk for The City of Bethany or such other office noted in the Notice to Bidders.

Forms to be Used. Bidder shall use the forms in this Bid Package or shall photocopy the forms and complete them. No alterations can be made to the forms except to add additional signature lines as required. Any other alteration or amendment of these forms may invalidate the Bid.

BID FORM

Project Number: **TEIM Design, PLLC Project No. ET424.02**

Description: **PAVEMENT IMPROVEMENT PROJECT
G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW
30TH)
CITY OF BETHANY, OKLAHOMA**

Name of Firm: _____

Address: _____

To the Mayor and Council of the **City of Bethany**:

Gentlemen:

The undersigned, as bidder, declares that before preparing this Bid, the Bidder read carefully the Requirements for Bidders, and the general and detailed Plans and Specifications, the Bid Form and Affidavits and Certificates and any other documentation or information to be submitted, and has examined the form of the Contract and the several Bonds, and that the bidder is familiar with and able to comply with all the provisions of the same and with all the requirements of the complete Contract to be entered into and Bonds to be executed. Said bidder proposes and agrees to furnish all labor, materials, and equipment, and to perform all operations necessary to complete the work as required by said Contract Documents for the Total Bid Price of:

Total Base Bid Price:

(\$ _____).

THIS PROJECT IS SALES TAX EXEMPT. DO NOT INCLUDE SALES TAX.

Said Bidder acknowledges receipt of addenda numbers _____ issued during the time of bidding and has included the several changes in this Bid.

In submitting the Bid, it is understood that the right is reserved by the **City of Bethany** to reject any and all bids, and it is agreed that this Bid may not be withdrawn for a period of sixty (60) days after date of filing same. Said Bidder proposes and agrees that if his Bid is accepted, the Bidder will enter in to the contract with the **City of Bethany**, and properly submit the required Bonds within seven (7) days after acceptance of his Bid and the award to the Bidder.

Bidder hereby agrees to commence work within ten (10) days after the Work Order is issued by the **City of Bethany** and completed as stated in the Special Provisions. We herewith enclose Bidder's Bond, or Certified Check, or Cashier's Check in the amount of \$_____ as required in the Contract Specifications.

**CITY OF BETHANY - PROPOSITION 1H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
PROJECT NO. 2023001(1H)**

DETAILED BID FORM

GENERAL PAY QUANTITIES - BASE BID					
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	ITEM TOTAL
201(A) 1200	CLEARING AND GRUBBING	LSUM	1.0		
202(H) 2900	EARTHWORK	LSUM	1.0		
221(b) 2300	TEMPORARY SILT FENCE	LF	1,519.0		
221(C) 2400	TEMPORARY SEDIMENT FILTER	EA	3.0		
221(C) 2600	TEMPORARY SILT DIKE	LF	147.0		
230(A) 7200	SOLID SLAB SODDING	SY	861.0		
303(A) 1200	AGGREGATE BASE TYPE A	CY	383.0		
310(B) 5300	SUBGRADE METHOD B	SY	2,297.0		
325 0100	SEPARATOR FABRIC	SY	2,297.0		
407(B) 7300	TACK COAT	GAL	21.0		
411(B) 1330	SUPERPAVE, TYPE S3 (PG 64-22 OK)	TON	38.0		
411(C) 1430	SUPERPAVE, TYPE S4 (PG 64-22 OK)	TON	16.0		
414(A) 5200	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	2,133.0		
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	356.0		
510(C) 1440	SLOPE WALL (5")	SY	100.0		
609(A) 4270	CONC. CURB (8" BARRIER-INTEGRAL)	LF	1,480.0		
609(B) 4375	2'-8" COMB. CRB. & GUT. (8" BARRIER)	LF	229.0		
619(B) 6200	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LSUM	1.0		
619(B) 6360	REMOVAL OF CONCRETE PAVEMENT	SY	65.0		
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT	SY	2,348.0		
619(C) 6600	SAWING PAVEMENT	LF	2,301.0		
625(A) 4200	REMOVE AND STORE FENCE	LF	1,539.0		
642(B) 3300	CONSTRUCTION STAKING LEVEL II	LSUM	1.0		
220 1100	SWPPP DOCUMENTATION AND MANAGEMENT	LSUM	1.0		
641 2110	MOBILIZATION	LSUM	1.0		
880(B) 6300	CONSTRUCTION SIGNS 0 TO 6 25 SF	SD	960.0		
880(B) 6310	CONSTRUCTION SIGNS 6 25 SF TO 15 99 SF	SD	420.0		
880(B) 6320	CONSTRUCTION SIGNS 15.99 SF TO 32 99 SF	SD	900.0		
880(C) 6410	CONSTRUCTION BARRICADES (TYPE III)	SD	360.0		
880(G) 6805	CHANNELIZER CONES	SD	780.0		
				TOTAL BASE BID PRICE	

DBF-1

**G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
CITY OF BETHANY, OKLAHOMA**

**CONTRACTOR'S AFFIDAVITS AND CERTIFICATES
(TO BE INCLUDED IN BID PACKET)**

BID BOND

**PAVEMENT IMPROVEMENT PROJECT
G.O. BOND PROPOSITION 1-H (N. PENIEL AVE. FROM NW 25TH TO NW 30TH)
CITY OF BETHANY, OKLAHOMA**

TEIM Design, PLLC Project No. ET424.02

5% BID BOND, CERTIFIED OR CASHIER'S CHECK \$ _____

TOTAL BID \$ _____

Work shall commence within **ten (10) calendar days** after the Work Order is issued by the **City of Bethany** and completed as required by the Contract.

(SEAL) if Corporation

Subscribed and sworn to before me this _____ day of _____, 20__.

Signed _____

Notary Public _____

My Commission Expires: _____

By _____
Agent

Address

Affidavits Attached

AFFIDAVIT OF SURETY

Date

City of Bethany, Oklahoma

Gentlemen:

_____ is currently bidding or is desirous of bidding work for the City of Bethany and this is to advise you that based upon information we have at this time, we are willing to execute bonds for this company on construction contracts for the City of Bethany up to the sum of \$_____.

In the past, we have handled bonding requirements for this company in the amount of \$_____.

In the event information comes to our attention which would change the bonding ability of this firm, we will advise you of such change.

We are attaching a copy of our Power of Attorney.

Name of Company of Agency

Signature and Title

Address

Subscribed and sworn to before me this ___ day of _____, 20__.

Notary Public

My Commission Expires:

BUSINESS RELATIONSHIPS AFFIDAVIT

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)

_____, of lawful age, being first duly sworn, on oath says that (s)he 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 of 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 exists, affiant should so state.)

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public

My Commission Expires: _____

CERTIFICATE OF NON-DISCRIMINATION

In connection with the performance of work under this contract, the Contractor agrees as follows:

1. The Contractor agrees not to discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin, age, or ancestry. The Contractor shall take affirmative action to insure that employees are treated without regard to their race, creed, color, national origin, age, or ancestry. Such actions shall include, but not be limited to the following: employment, upgrading, demotion, or transfer, recruiting or recruitment, advertising, layoff or termination, rates of pay, or other forms of compensation and selection for training, including apprenticeship. The Contractor and Sub-Contractor shall agree to post in a conspicuous place, available to employees and applicants for employment, notices to be provided by the County Clerk of the County of Oklahoma setting forth provisions of this section.

2. In the event of the Contractor's noncompliance with this non-discrimination clause, the contract may be canceled or terminated by the Oklahoma Tax Commission. The Contractor may be declared by the Oklahoma County Commission ineligible for further contracts with the said agency until satisfactory proof of intent to comply shall be made by the Contractor.

3. The Contractor agrees to include this non-discrimination clause in any sub-contracts connected with the performance of this agreement.

I have read the above-stated clauses and agree to abide by its requirements.

Contractor

ATTEST:

Secretary

AFFIDAVIT OF NON-BOYCOTTING OF ENERGY COMPANIES

Reference: 74 Oklahoma Statutes Section 12005

STATE OF _____) ss:
COUNTY OF _____)

I, _____, (print name) as the agent of _____ (print company or business name) located at _____ (address) do hereby swear and affirm that the described company does not boycott energy companies, and will not boycott energy companies during the term of the contract.

_____ (print affiant's full name), being first duly sworn on oath according to law, deposes and says that he/she has read the foregoing AFFIDAVIT OF NON-BOYCOTTING OF ENERGY COMPANIES by his/her subscribed and that the matters stated herein are true to the best of his/her information, knowledge and belief.

Affiant's Signature

Affiant's Printed Name and Title

SUBSCRIBED AND SWORN to before me this _____ day of _____, 20____.

Notary Public

My commission expires: _____.

NOTE: For purposes of this affidavit the boycott of energy companies means:

Boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

- a. engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil-fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law, or
- b. does business with a company described by subparagraph a of this paragraph;



Traffic Engineering Consultants, Inc.
6008 S. Western Ave., Suite 300 - Oklahoma City, OK 73139, Ph: 405-720-7721, Web: www.tecusa.com

R. Wayne Russell
R. WAYNE RUSSELL, P.E. # 16030
C.A. # 1160, RENEWAL 06-30-25



11-03-23
DATE

THIS SEAL COVERS SHEETS:
AT01, T001



TEIM DESIGN, PLLC
3020 N.W. 149TH STREET
OKLAHOMA CITY, OK 73134
PH. (405) 752-1122
CA# 8428, RENEWAL 08-30-2025

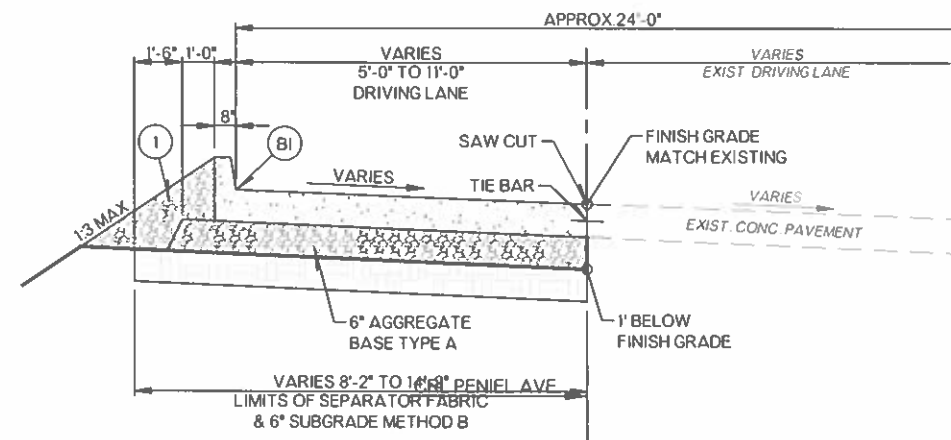
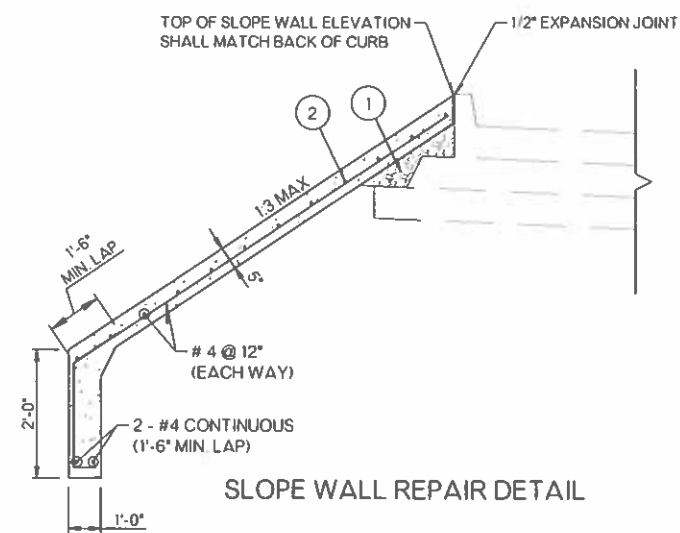


Joshua M. Johnston
JOSHUA M. JOHNSTON
LICENSED PROFESSIONAL ENGINEER NO. 26204

11/3/23
DATE

THIS SEAL COVERS SHEETS:
0001-0003, AR01-AR03, R001-R008

INDEX OF SEALS



TYPICAL SECTION NO. 1
 IH - PENIEL AVE.
 STA. 5+00 TO STA. 14+05
 STA. 15+42 TO STA. 24+42.35

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 REINFORCING STEEL NOTE:
ALL REINFORCING STEEL SHALL UTILIZE A MINIMUM CLEARANCE/COVER OF 2". COST OF REINFORCING STEEL TO BE INCLUDED IN THE PRICE BID OF 5" SLOPE WALL.
- BI CONC. CURB (8" BARRIER-INTEGRAL)

TYPICAL SECTIONS

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-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-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 EARTHWORK.
 - (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 479 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.
 - (4) INCLUDED 100 S.Y. TO BE USED AS DIRECTED BY THE ENGINEER. PRICE BID INCLUDES ALL MATERIALS, EQUIPMENT, TOOLS, LABOR AND INCIDENTALS NECESSARY FOR CONSTRUCTION OF SLOPE WALL AND TOE WALL. INCIDENTALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, REMOVALS, EXCAVATION, REINFORCING STEEL, EXPANSION JOINTS, AND SAW JOINTS.
 - (5) DO NOT DISTURB EXISTING WOOD BRIDGES.
 - (6) FENCE SHALL BECOME THE PROPERTY OF THE CITY OF BETHANY, TO BE HAULED AND STORED AT THE FOLLOWING ADDRESS IN A MANNER APPROVED BY THE CITY:
5300 N. CENTRAL RD.
BETHANY, OK 73009

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.

1H - N. PENIEL 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(B) 2300	TEMPORARY SILT FENCE (R-8)	LF	1,519.0
221(C) 2400	TEMPORARY SEDIMENT FILTER (R-8)	EA	3.0
221(E) 2600	TEMPORARY SILT DIKE (R-8)	LF	147.0
230(A) 7200	SOLID SLAB SODDING (R-6, R-7)	SY	861.0
303(A) 1200	AGGREGATE BASE TYPE A (R-16)	CY	383.0
310(B) 5300	SUBGRADE, METHOD B	SY	2,297.0
325 0100	SEPARATOR FABRIC	SY	2,297.0
407(B) 7300	TACK COAT (R-25)	GAL	21.0
411(B) 1330	SUPERPAVE, TYPE S3 (PG 64-22 OK) (R-26)	TON	38.0
411(C) 1430	SUPERPAVE, TYPE S4 (PG 64-22 OK) (R-26)	TON	16.0
414(A) 5200	P.C. CONCRETE PAVEMENT (PLACEMENT)	SY	2,133.0
414(G) 5800	P.C. CONCRETE FOR PAVEMENT	CY	356.0
510(C) 1440	SLOPE WALL (5") (4)	SY	100.0
609(A) 4270	CONC. CURB (8" BARRIER-INTEGRAL)	LF	1,480.0
609(B) 4375	2'-8" COMB. CRB. & GUT. (8" BARRIER)	LF	229.0
619(A) 6200	REMOVAL OF STRUCTURES & OBSTRUCTIONS (5), (R-39, R-40)	LSUM	1.0
619(B) 6360	REMOVAL OF CONCRETE PAVEMENT (R-40, R-41)	SY	65.0
619(B) 6364	REMOVAL OF ASPHALT PAVEMENT (R-40, R-41)	SY	2,348.0
619(C) 6600	SAWING PAVEMENT	LF	2,301.0
625(A) 4200	REMOVE AND STORE FENCE (6)	LF	1,539.0

1H - N. PENIEL AVE. - PAY QUANTITIES - STAKING

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

1H - N. PENIEL AVE. - PAY QUANTITIES - CONSTRUCTION

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

**SUMMARY OF PAY QUANTITY AND NOTES
1H - N. PENIEL AVE.**

1H - N. PENIEL AVE. - SUMMARY OF SURFACING										
STATION EXTENTS	AGGREGATE BASE TYPE A 303(A)	SUBGRADE METHOD B 310(B)	SEPARATOR FABRIC 325	TACK COAT 407(B)	SUPERPAVE TYPE S3 (PG 64-22 OK) 411(B)	SUPERPAVE TYPE S4 (PG 64-22 OK) 411(C)	P C CONC PAVEMENT (PLACEMENT) 414(A)	P C CONCRETE FOR PAVEMENT 414(G)	CONC CURB (8" BARRIER -INTEGRAL) 609(A)	2'-8" COMB CRB & GUT (8" BARRIER) 609(B)
	CY	SY	SY	GA	TON	TON	SY	CY	LF	LF
STA 5+00 TO STA. 10+00	74.92	449.52	449.52	3.56	6.65	2.66	421.15	70.19	470.78	14.72
STA 10+00 TO STA 19+00	178.50	1,070.97	1,070.97	10.25	19.12	7.65	986.75	164.46	662.64	185.19
STA. 19+00 TO STA 24+42.35	129.34	776.07	776.07	6.47	12.08	4.83	724.12	120.69	346.55	28.52
TOTALS	382.76	2,296.56	2,296.56	20.28	37.85	15.14	2,132.02	355.34	1,479.97	228.43

ASPHALT DRIVEWAYS CONSIST OF A VARIABLE DEPTH OVERLAY OVER EXISTING DRAINAGE STRUCTURES. QUANTITIES ARE ESTIMATED AT A 2" LIFT OF SUPERPAVE TYPE S4 (PG-64-22 OK) AND 2-2.5" LIFTS OF SUPERPAVE TYPE S3 (PG 64-22 OK)

1H - N. PENIEL AVE. - SUMMARY OF EARTHWORK QUANTITIES			
STATION EXTENTS	UNCLASSIFIED EXCAVATION	FILL +15%	EXCESS EXCAVATION
	CY	CY	CY
STA. 5+00 TO STA. 24+42.35	479	74	405
TOTALS	479	74	405

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

1H - N. PENIEL AVE. - SUMMARY OF TEMPORARY SEDIMENT CONTROL				
STATION EXTENTS	LOCATION AND DESCRIPTION	TEMPORARY SILT FENCE 221(B)	TEMPORARY SILT DIKE 221(E)	TEMPORARY SEDIMENT FILTER 221(C)
		LF	LF	EA
STA 5+15 TO STA 7+90	ALONG TOE LT	308		
STA 5+82	ACROSS DITCH LT		21	
STA 8+31 TO STA 10+00	ALONG TOE LT	194		
STA. 8+82	ACROSS DITCH LT.		21	
STA. 10+00 TO STA 11+28	ALONG TOE LT	138		
STA. 11+00	ACROSS DITCH LT		21	
STA. 11+29	AROUND EXISTING INLET LT			1
STA 11+54 TO STA. 14+36	ALONG TOE LT	282		
STA 14+00	ACROSS DITCH LT		21	
STA 15+07 TO STA 15+82	ALONG TOE LT.	75		
STA. 16+13 TO STA. 16+36	ALONG TOE LT.	24		
STA 16+76 TO STA. 17+75	ALONG TOE LT.	99		
STA. 17+00	ACROSS DITCH LT		21	
STA. 18+15 TO STA 19+00	ALONG TOE LT.	85		
STA 19+00 TO STA. 19+71	ALONG TOE LT.	71		
STA. 19+37	ACROSS DITCH LT		21	
STA 20+01 TO STA. 21+02	ALONG TOE LT	100		
STA 21+43 TO STA 22+86	ALONG TOE LT	143		
STA. 21+48	AROUND EXISTING INLET RT.			1
STA. 22+37	ACROSS DITCH LT.		21	
STA. 22+89	AROUND EXISTING INLET RT			1
TOTALS		1,519	147	3

1H - N. PENIEL AVE. - SUMMARY OF EROSION CONTROL		
STATION EXTENTS	LOCATION AND DESCRIPTION	SOLID SLAB SODDING 230(A)
		SY
STA. 5+00 TO STA. 10+00	ALONG LT. SIDE OF ROADWAY	161.77
STA. 10+00 TO STA. 19+00	ALONG LT. SIDE OF ROADWAY	482.83
STA. 19+00 TO STA. 24+42.35	ALONG LT. SIDE OF ROADWAY	215.91
TOTALS		860.51

1H - N. PENIEL AVE. - SUMMARY OF DRIVES				
STATION AND LOCATION	WIDTH x LENGTH	TYPE	RADI (R1)	RADI (R2)
STA 5+02 - LEFT	24' x 22.00'	ST. RETURN		15'
STA. 8+11 - LEFT	30' x 10.00'	ST. RETURN	5'	5'
STA. 11+41 - LEFT	26' x 12.00'	ST. RETURN	10'	10'
STA. 15+99 - LEFT	14' x 5.00'	1	5'	5'
STA. 16+56 - LEFT	40' x 6.00'	1	5'	5'
STA. 17+96 - LEFT	28' x 18.00'	ST. RETURN	10'	10'
STA. 19+79 - LEFT	18' x 4.00'	1	2'	2'
STA. 21+23 - LEFT	30' x 15.00'	ST. RETURN	10'	10'

NOTE DRIVE QUANTITIES INCLUDED IN MAINLINE SURFACING QUANTITIES

1H - N. PENIEL AVE. - SUMMARY OF REMOVAL QUANTITIES				
STATION EXTENTS	REMOVAL OF CONCRETE PAVEMENT 619(B)	REMOVAL OF ASPHALT PAVEMENT 619(B)	SAWING PAVEMENT 619(C)	REMOVE AND STORE FENCE 625(A)
	SY	SY	LF	LF
STA 5+00 TO STA 19+00	47.46	1,531.29	1,565.00	1,248.00
STA. 19+00 TO STA. 24+42.35	16.56	816.43	736.00	291.00
TOTALS	64.02	2,347.72	2,301.00	1,539.00

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

SUMMARY SHEET
1H - N. PENIEL AVE.

SUGGESTED SEQUENCE OF CONSTRUCTION (1H - N. PENIEL 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. PENIEL AVE. FROM NW 25TH ST. TO NW 26TH ST.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 5+00 TO STA. 8+10. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 25TH ST. AND NW 26TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 5+00 TO 8+10. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 2: CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM NW 26TH ST. TO NW 27TH ST.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 8+10 TO STA. 15+42. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 26TH ST. AND NW 27TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 8+10 TO STA. 11+40. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 3: CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM NW 27TH ST. TO NW 28TH ST.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 11+40 TO STA. 15+42. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 27TH ST. AND NW 28TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 11+40 TO STA. 15+42. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 4: CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM NW 28TH ST. TO NW 29TH ST.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 15+42 TO STA. 17+95. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 28TH ST. AND NW 29TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 15+42 TO STA. 17+95. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 5: CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM NW 29TH ST. TO NW 29TH TR.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 17+95 TO STA. 21+22. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 29TH ST. AND NW 29TH TR. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 17+95 TO STA. 21+22. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.

PHASE 6: CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM NW 29TH TR. TO NW 30TH ST.

TRAFFIC ON EXISTING N. PENIEL AVE.

- A PLACE APPROPRIATE ADVANCED WARNING SIGNAGE AND CLOSE THE WEST HALF OF N. PENIEL AVE. TO TRAFFIC FROM CRL STA. 21+22 TO STA. 24+42.35. KEEP EAST LANE OPEN TO LOCAL TRAFFIC ONLY. MAINTAIN A SINGLE LANE OF TRAFFIC TO NW 29TH TR. AND NW 30TH ST. AT ALL TIMES.
- B CONSTRUCT WEST HALF OF N. PENIEL AVE. FROM CRL STA. 21+22 TO STA. 24+42.35. OPEN WEST LANE AND DRIVES TO TRAFFIC AS PAVEMENT COMPLETION ALLOWS.
- C COMPLETE FINISHING OPERATIONS AND OPEN N. PENIEL AVE. TO ULTIMATE TRAFFIC CONFIGURATION.

SUGGESTED SEQUENCE OF
CONSTRUCTION
1H - N. PENIEL AVE.

Project No. 2023001(B) Sheet No. AR03

REVISIONS		
NO.	DESCRIPTION	DATE

GENERAL CONSTRUCTION NOTES

ANY SIGNS AND/OR DELINEATORS WHICH ARE TO BE REMOVED DURING THIS PROJECT WILL BE STORED IN A PROTECTED AREA DESIGNATED BY THE RESIDENT ENGINEER UNTIL SUCH A TIME THAT THEY ARE TO BE RESET BY THE CONTRACTOR. COST OF THIS WORK TO BE INCLUDED IN OTHER ITEMS OF WORK.

EXISTING ROADWAY SHALL REMAIN OPEN DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER BARRICADES, LIGHTS, AND SIGNING WITHIN THE LIMITS OF CONSTRUCTION. ALL CONSTRUCTION SIGNING WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS. CONSTRUCTION TRAFFIC CONTROL WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH APPLICABLE O.D.O.T. STANDARD DRAWINGS.

THIS PROJECT SHALL BE CONSTRUCTED WITHOUT CLOSING TRAFFIC ON CROSS STREETS. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE HE MAY INFLICT TO THE EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT AREA AS A RESULT OF HIS DIGGING, TRENCHING, BORING, ETC. PRIOR TO DIGGING NEAR THE UTILITIES, THE CONTRACTOR SHALL CALL FOR A LIST OF ALL UNDERGROUND FACILITIES REGISTERED IN THE AREA OF CONSTRUCTION LISTED WITH THE FOLLOWING AGENCIES: THE "OKIE" NOTIFICATION CENTER 811 OR (405) 522-6543 OR WWW.CALLOKIE.COM OR THE LOCAL COUNTY CLERK'S OFFICE.

PAY QUANTITY NOTES

(TC-26) ALL CONSTRUCTION TRAFFIC CONTROL WILL BE IMPLEMENTED ACCORDING TO CONSTRUCTION PLANS, AND INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (CURRENT EDITION), AND COMPLIANT WITH 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 REQUIRED FOR COMPLETION OF THE PROJECT.

ALL SIGNS AND BARRICADES WHICH ARE SHOWN WITH TYPE 'A' LIGHTS IN THE STANDARD DRAWINGS SHALL HAVE THE CORRESPONDING LIGHT ATTACHED DURING NON-DAYLIGHT HOURS.

(TC-30) INCLUDED IN THIS ITEM ARE ALL S.C.S. (SPECIAL CONSTRUCTION SIGNING) SIGNS WHICH ARE BETWEEN 16.00 S.F. AND 32.99 S.F. ALSO INCLUDED IN THIS ITEM SHALL BE THE COST OF INSTALLATION, MAINTENANCE, AND REMOVAL OF THESE SIGNS.

(TC-33) ALL CONSTRUCTION WORK ZONE SIGNS SHALL HAVE FLUORESCENT SHEETING. THE FLUORESCENT SHEETING SHALL MEET THE REQUIREMENTS OF ASTM D4956 (LATEST REVISION).


THE MANUFACTURER SHALL FURNISH A TYPE 'D' CERTIFICATION IN ACCORDANCE WITH O.D.O.T. STANDARD SPECIFICATIONS (CURRENT EDITION) SUBSECTION 106.04. THE CERTIFICATION SHALL INCLUDE TEST RESULTS ON MATERIAL SUBMITTED FOR APPROVAL.

(TC-84) 80 CONSTRUCTION CALENDAR DAYS WERE USED TO COMPUTE THE SIGN DAY PAY ITEMS. THE AMOUNT OF CALENDAR DAYS USED TO COMPUTE THE SIGN DAY PAY ITEMS IS AN ESTIMATED QUANTITY ONLY, BASED ON THE CURRENT O.D.O.T. STANDARDS AND SUGGESTED CONSTRUCTION SEQUENCE FOR THIS PROJECT. THESE ESTIMATED SIGN DAY QUANTITIES MAY CHANGE AS THE PROJECT'S CONSTRUCTION TRAFFIC CONTROL IS MODIFIED DURING CONSTRUCTION.

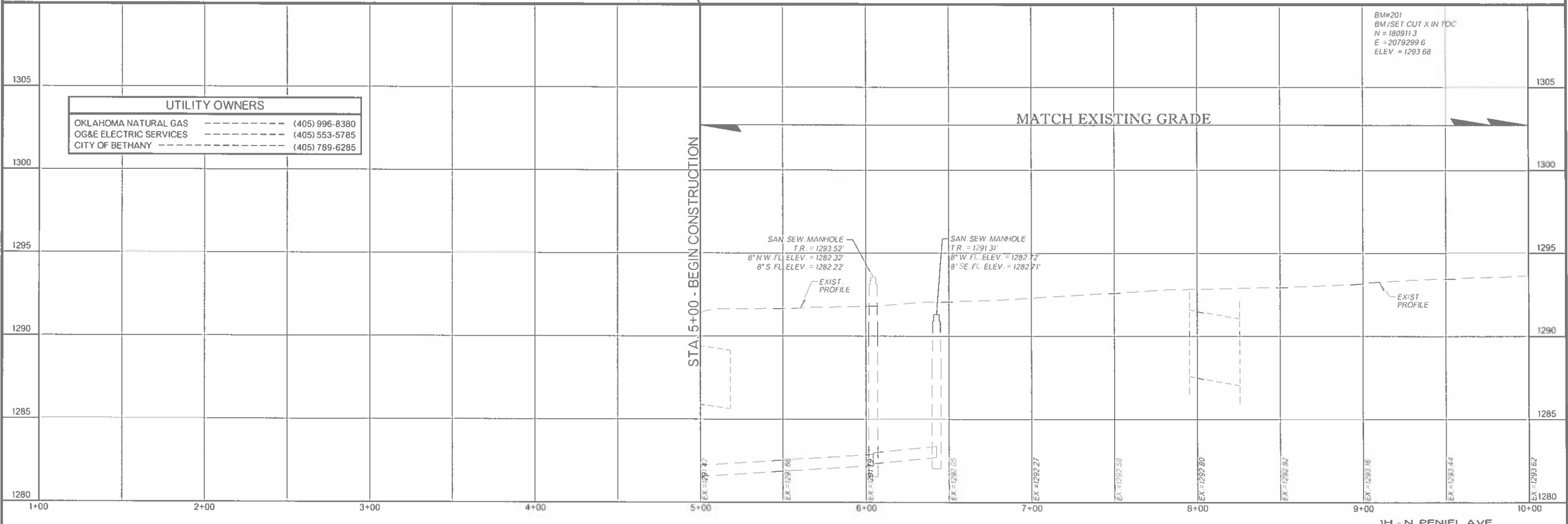
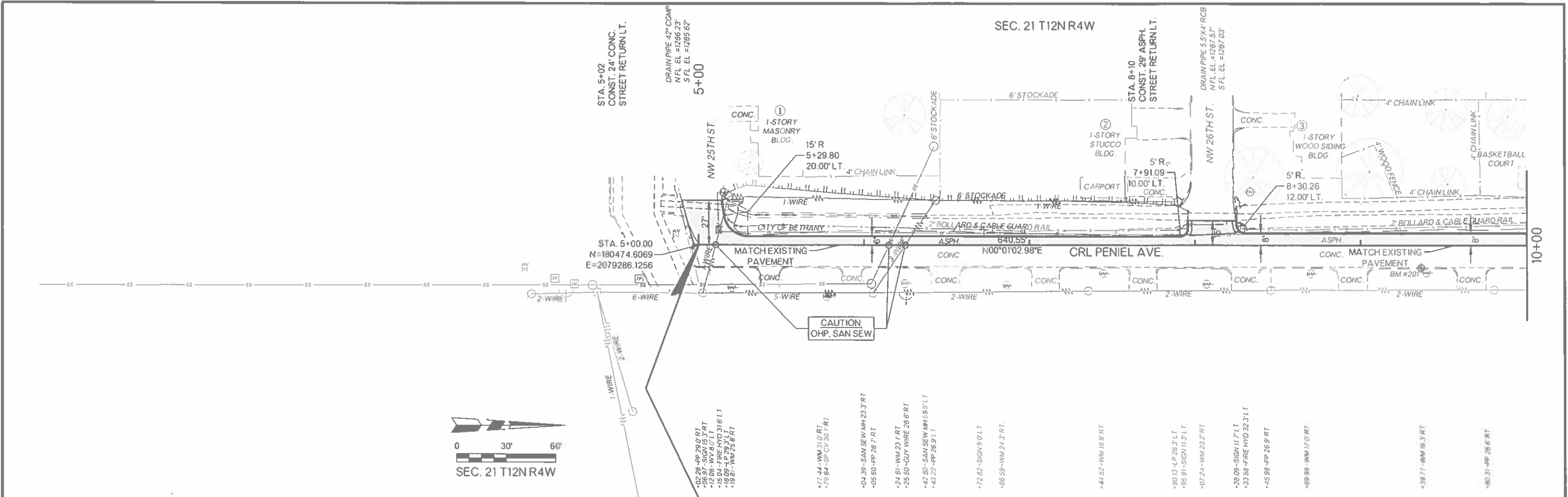
(2) THE LARGE BLUE SIGNS PLACED ON THIS PROJECT DURING CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CITY OF BETHANY UPON COMPLETION OF THE PROJECT. THE CONTRACTOR SHALL REMOVE THE SIGNS WITH CARE AND DELIVER THEM TO THE CITY OF BETHANY AS DIRECTED BY CITY PERSONNEL.

1H - N. PENIEL AVE. - PAY QUANTITIES - TRAFFIC			
TRAFFIC CONTROL - 303			
ITEM	DESCRIPTION	UNIT	TOTAL
880(B) 6300	CONSTRUCTION SIGNS 0 TO 6.25 SF (TC-26,33,84)	SD	960.00
880(B) 6310	CONSTRUCTION SIGNS 6.26 SF TO 15.99 SF (TC-26,33,84)	SD	420.00
880(B) 6320	CONSTRUCTION SIGNS 16.0 SF TO 32.99 SF (TC-26,30,33,84)(2)	SD	900.00
880(C) 6410	CONSTRUCTION BARRICADES (TYPE III) (TC-26,84)	SD	360.00
880(G) 6805	CHANNELIZER CONES (TC-26,84)	SD	780.00

G:\DTP\Projects\1-3025 - TC Co Bond Projects\5 Locations - Bethany, OK\CAD\PEMEL AVE_SHEETS\A102-2030000 & 1H-TRAFFIC CONTROL PAY QUANTITIES & NOTES PEMEL AVE.dgn 11-17-23

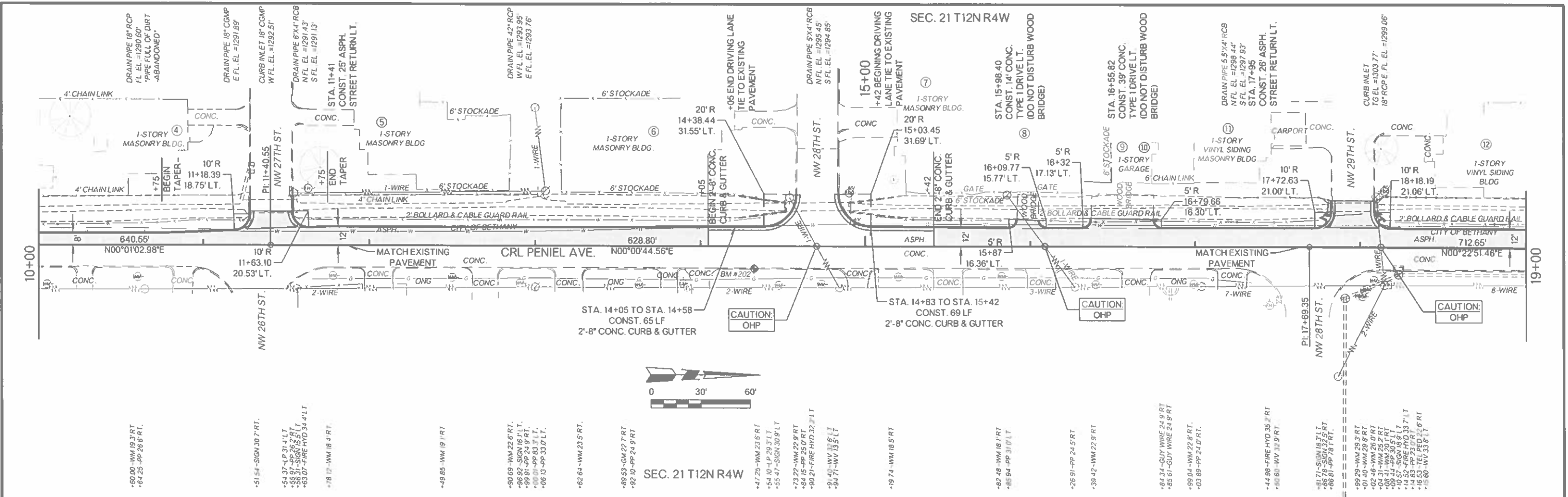
Design	RWR	11-17-23
Drawn	SB	11-17-23
		

**TRAFFIC CONTROL
PAY QUANTITIES & NOTES
1H - N. PENIEL AVE.**
Project No. 2023001(B) Sheet No. AT01

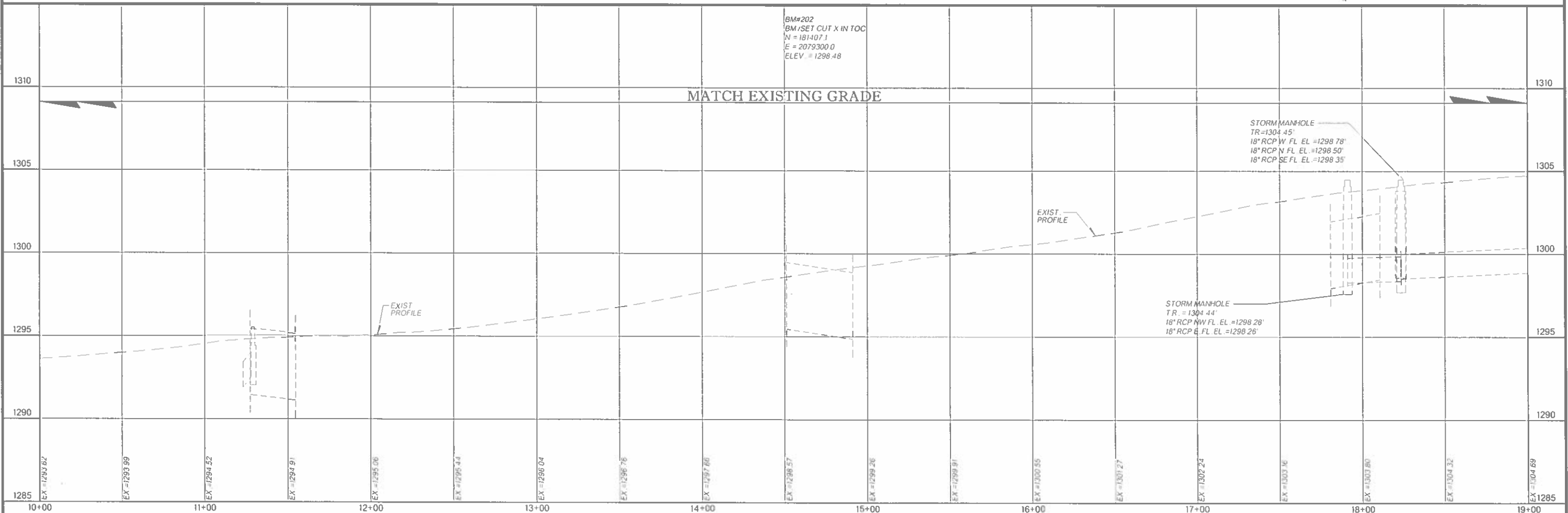


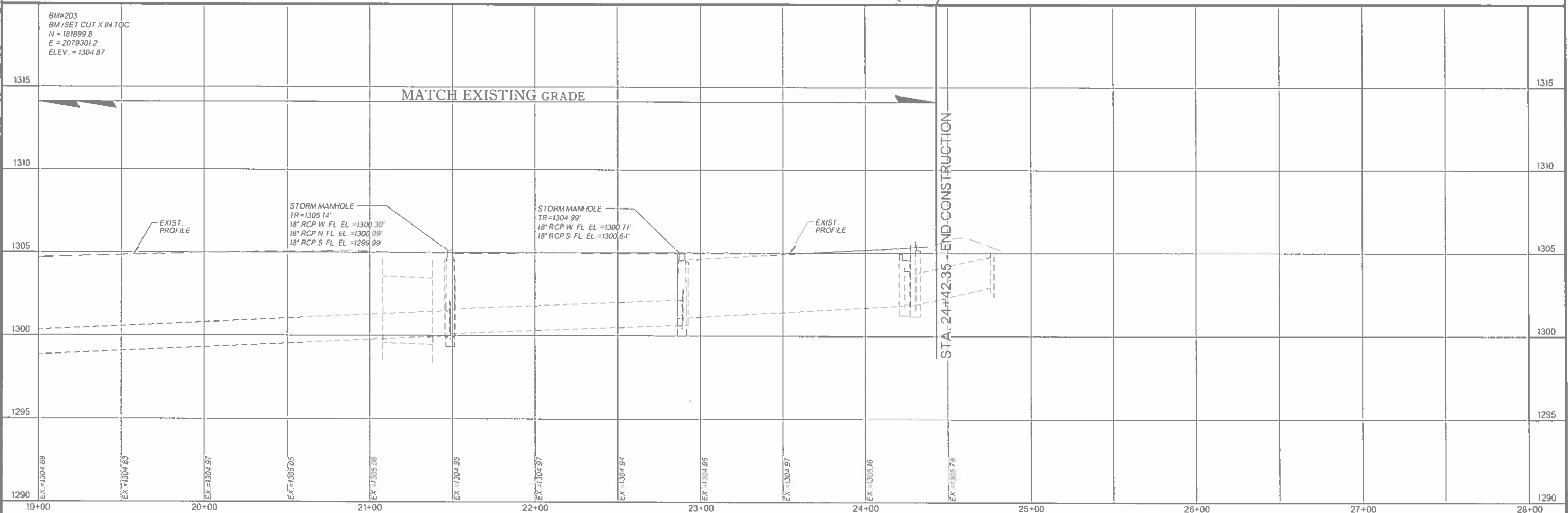
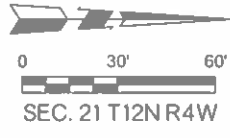
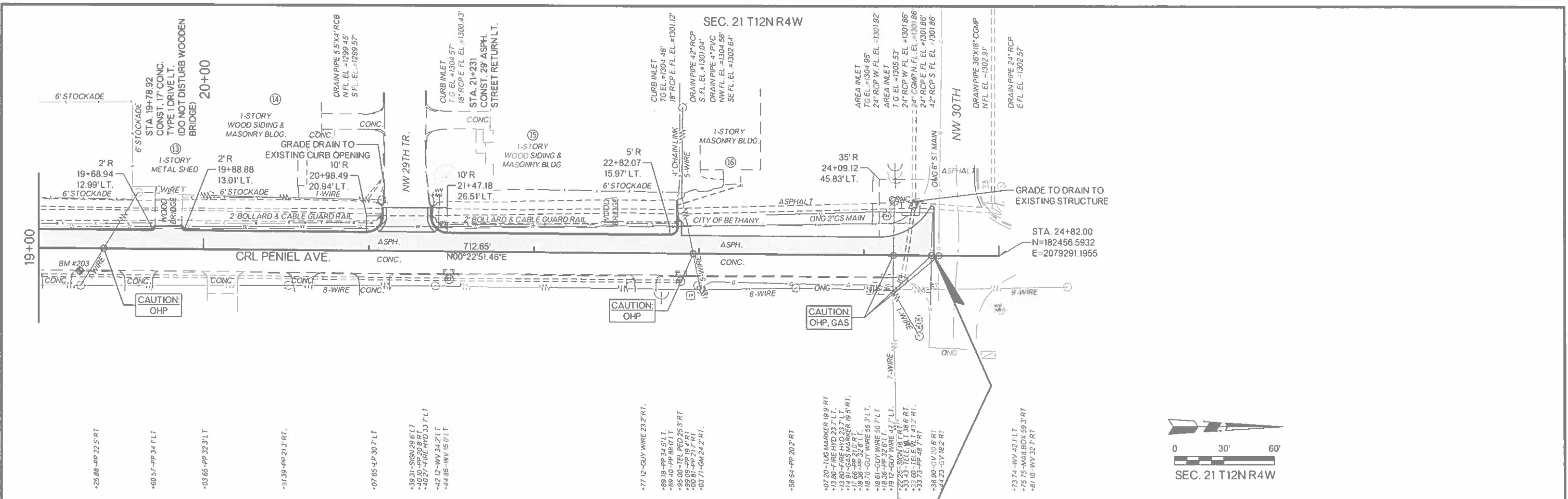
UTILITY OWNERS	
OKLAHOMA NATURAL GAS	(405) 996-8380
OG&E ELECTRIC SERVICES	(405) 553-5785
CITY OF BETHANY	(405) 789-6285

BM#201
 BM/SET CUT X IN TDC
 N = 180911.3
 E = 2079299.6
 ELEV = 1293.68



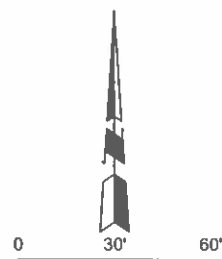
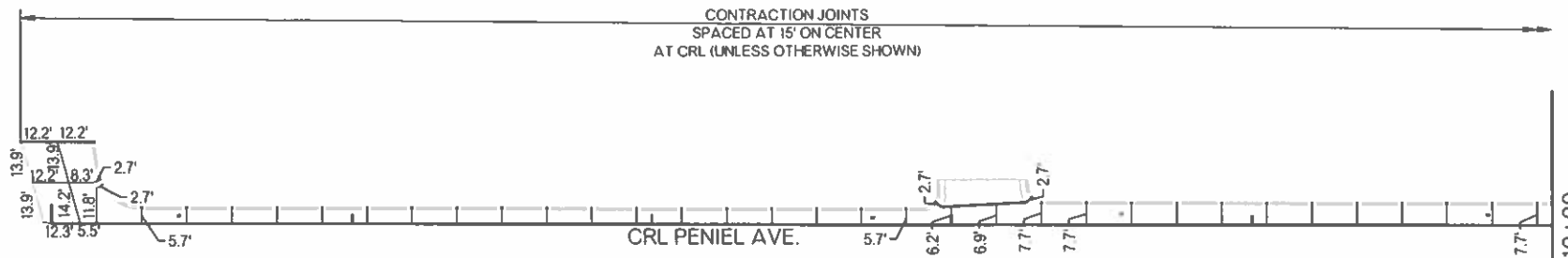
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SEC. 21 T12N R4W

5+00



SEC. 21 T12N R4W

SEC. 21 T12N R4W

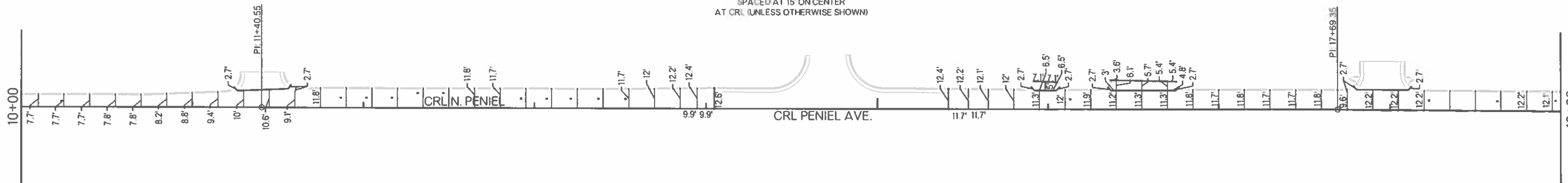
LEGEND

- 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.

15+00

CONTRACTION JOINTS
SPACED AT 15' ON CENTER
AT CRL (UNLESS OTHERWISE SHOWN)



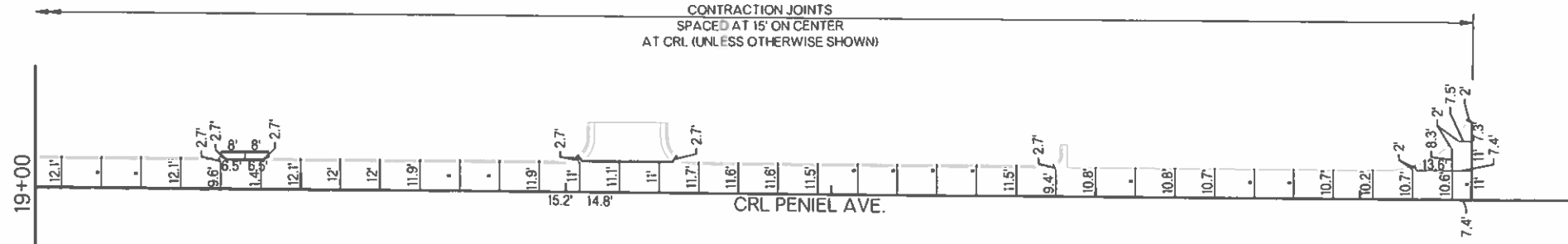
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JOINT LAYOUT
1H - N. PENIEL AVE.

Project No. 2023001(B) Sheet No. R005

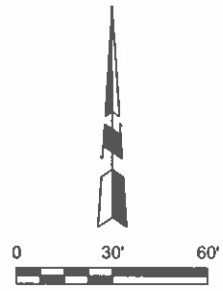
OKLAHOMA COUNTY N. PENIEL AVE.

20+00



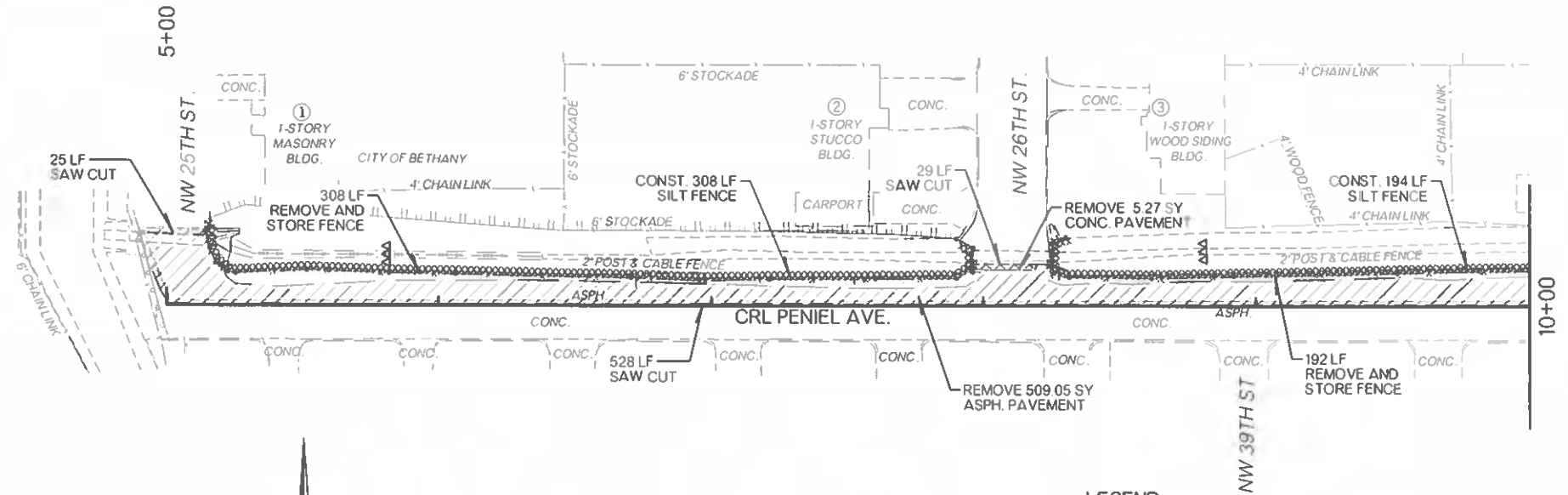
LEGEND

- 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.



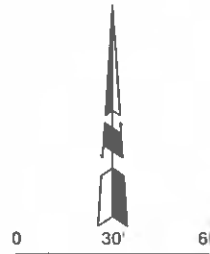
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SEC 21 T12N R4W

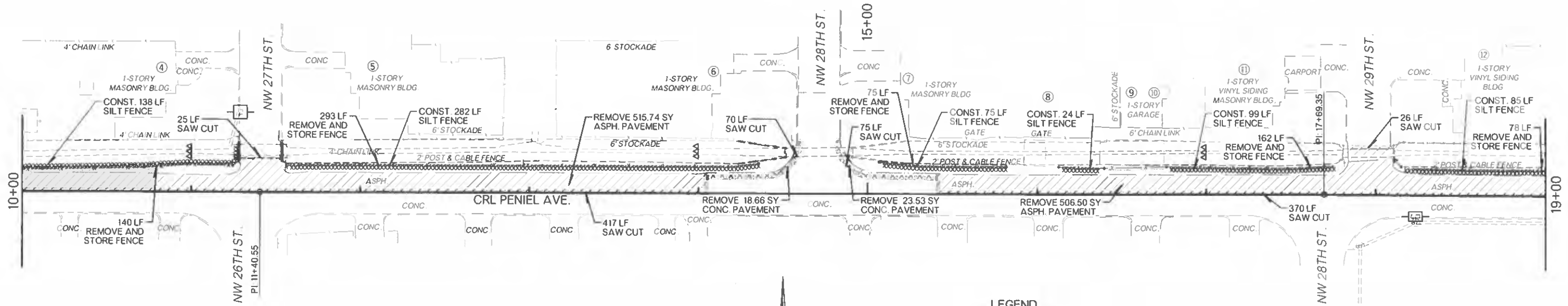


REMOVAL QUANTITIES		
CONCRETE PAVEMENT	SY	47.46
ASPHALT PAVEMENT	SY	1,531.29
SAWING PAVEMENT	LF	1,565
REMOVE AND STORE FENCE	LF	1,248

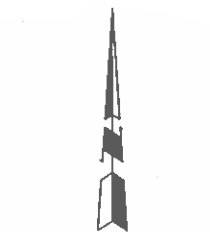
LEGEND	
	ASPHALT PAVEMENT REMOVAL
	CONCRETE PAVEMENT REMOVAL
	MISCELLANEOUS REMOVAL



SEC. 21 T12N R4W
SEC. 21 T12N R4W



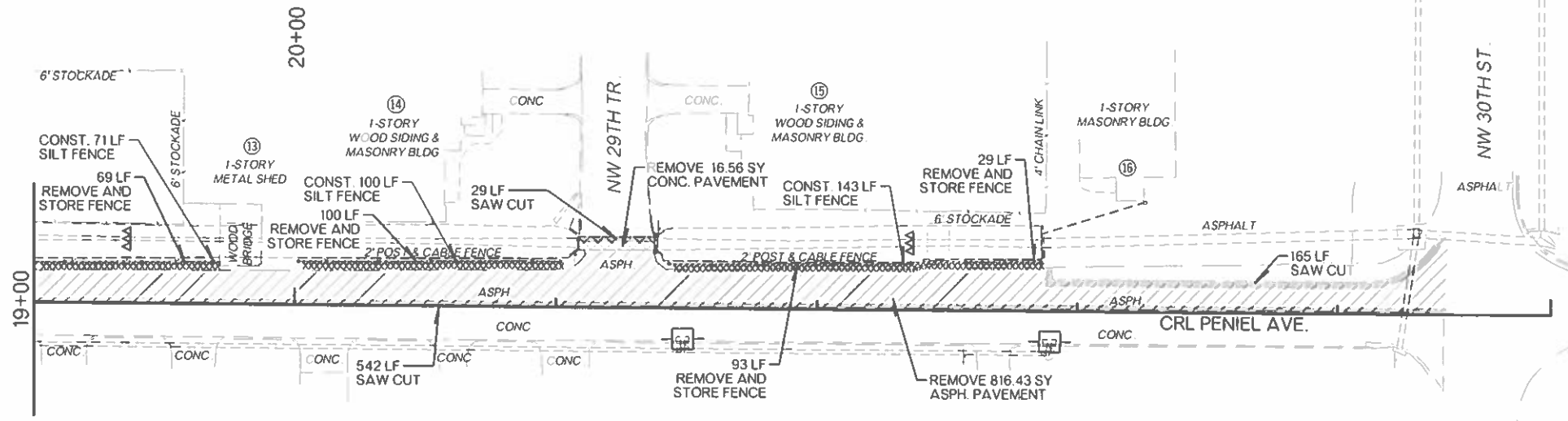
LEGEND	
	TEMP SILT DIKE
	TEMP SILT FENCE
	TEMP SEDIMENT FILTER
	DRAINAGE DIRECTION



SEC 21 T12N R4W

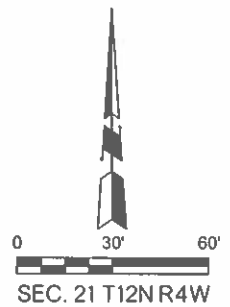
REMOVAL & EROSION CONTROL
1H - PENIEL AVE.

SEC. 21 T12N R4W



LEGEND

- TEMP. SILT DIKE ▲▲▲
- TEMP. SILT FENCE XXXXX
- TEMP. SEDIMENT FILTER □
- DRAINAGE DIRECTION - - - -



LEGEND

- ASPHALT PAVEMENT REMOVAL
- CONCRETE PAVEMENT REMOVAL
- MISCELLANEOUS REMOVAL

REMOVAL QUANTITIES		
CONCRETE PAVEMENT	SY	16.56
ASPHALT PAVEMENT	SY	816.43
SAWING PAVEMENT	LF	736
REMOVE AND STORE FENCE	LF	291

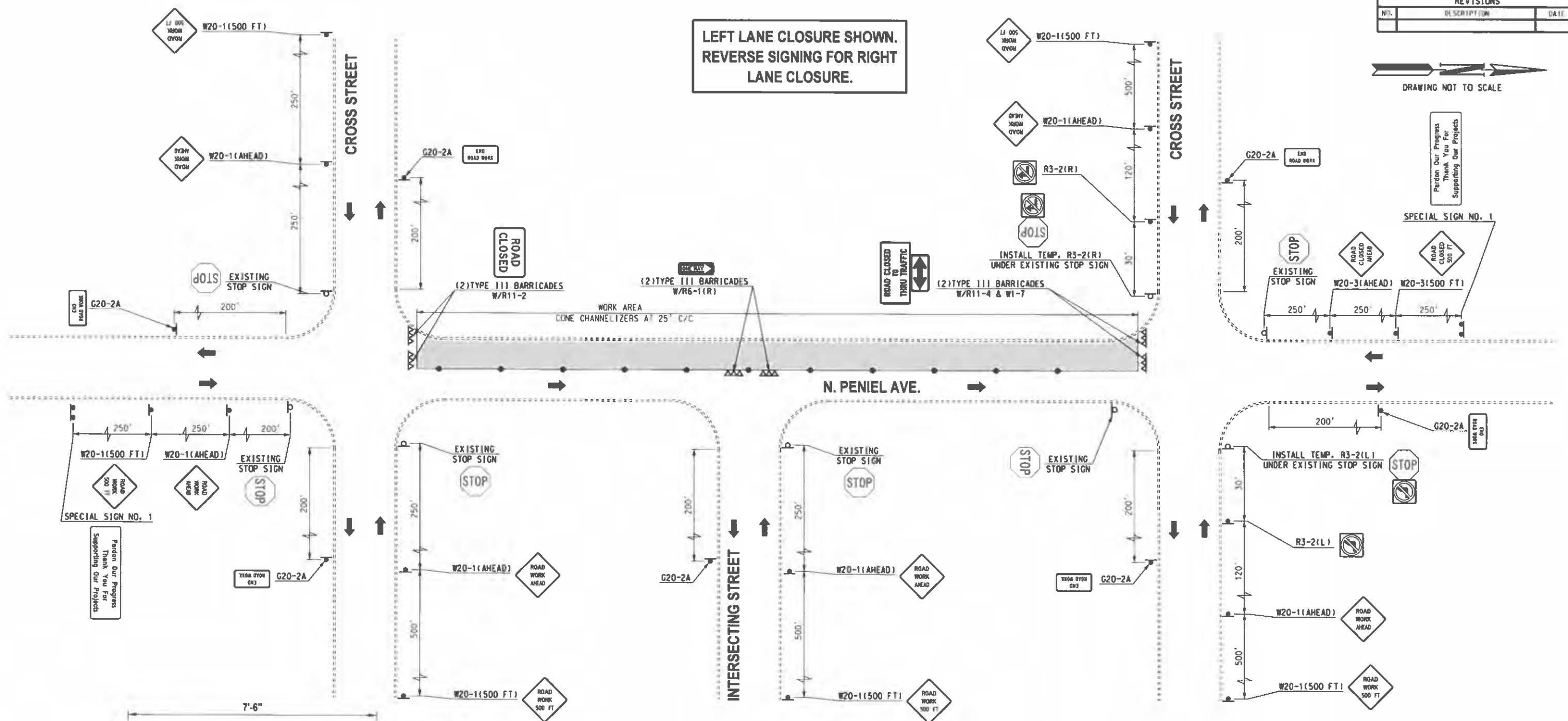
**REMOVAL & EROSION CONTROL
1H - PENIEL AVE.**

11-7-23 G:\DP\Projects\1-3025 - TC Co Bond Projects\3 Locations - Bethany, OK\CAD\PENEL AVE. SHEETS\T002-20300MD & 1H-TYPICAL LANE CLOSURE DETAIL 1H - N. PENEL AVE.dgn

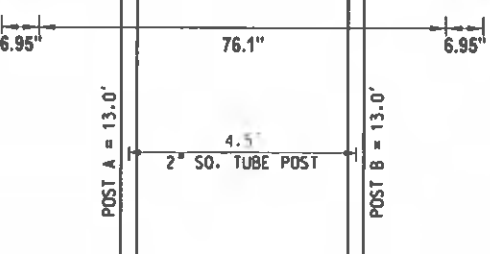
REVISIONS		
NO.	DESCRIPTION	DATE



**LEFT LANE CLOSURE SHOWN.
REVERSE SIGNING FOR RIGHT
LANE CLOSURE.**



**Pardon Our Progress
Thank You For
Supporting Our Projects**



SPECIAL SIGN NO. 1
18.75 S.F.
 LEGEND & BORDER - WHITE REFLECTIVE
 BACKGROUND - BLUE REFLECTIVE

Design	MSH	11-17-23
Drawn	CCC	11-17-23



TYPICAL LANE CLOSURE DETAIL
1H - N. PENIEL AVE.

Project No. 2023001(B) Sheet No. T001

BEST MANAGEMENT PRACTICE REFERENCE MATRIX

BEST MANAGEMENT PRACTICE (BMP)	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	USAGE GUIDELINES
REINFORCED SILT FENCE (AS PERIMETER CONTROL)	RSF		221.02C 712.06	221.04C	REINFORCED SILT FENCE, INSTALLED AS A TEMPORARY PERIMETER CONTROL AT THE BOTTOM OF BARREN SLOPES, AROUND DISTURBED CONSTRUCTION AREAS AND TEMPORARY SOIL STOCKPILES, SHOULD RETAIN THE SOIL ON DISTURBED LAND UNTIL CONSTRUCTION ACTIVITIES ARE SUFFICIENTLY COMPLETED TO ALLOW REVEGETATION AND PERMANENT SOIL STABILIZATION.
TEMPORARY SLOPE DRAIN	SD		221.02A	221.04A	A TEMPORARY SLOPE DRAIN IS CONSTRUCTED WITH A FLEXIBLE PIPE OR CONDUIT EXTENDING FROM THE TOP OF A CUT OR FILL SLOPE INTO A BED OF RIP RAP DOWN SLOPE. THE PURPOSE OF THE TEMPORARY SLOPE DRAIN IS TO CONVEY STORMWATER RUNOFF DOWN THE FACE OF THE SLOPE WITHOUT CAUSING EROSION ON THE SLOPE. THE TEMPORARY EARTHEN BERM IS USED TO REDUCE SLOPE LENGTH AND DIVERT RUNOFF TO THE TEMPORARY SLOPE DRAIN PIPE. MAXIMUM DRAINAGE AREA IS 0.50 ACRE.
TEMPORARY FIBER LOG	TFL		221.02H	221.04H	TEMPORARY FIBER LOGS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT, MOST NOTABLY ON SLOPES. TEMPORARY FIBER LOGS ARE NOT TO BE USED IN ACTIVE STREAMS.
TEMPORARY SEDIMENT BASIN	TSB		221.02E	221.04E	TEMPORARY SEDIMENT BASINS ARE USED TO REDUCE TURBIDITY OF CONSTRUCTION STORMWATER RUNOFF DURING GRADING.
STABILIZED CONSTRUCTION EXIT	SCE		713.03		STABILIZED CONSTRUCTION EXITS ARE INSTALLED AT POINTS OF VEHICULAR INGRESS AND EGRESS. THE STABILIZED CONSTRUCTION ENTRANCES REDUCE THE AMOUNT OF SEDIMENT TRANSPORTED ONTO PAVED PUBLIC TRAVEL WAYS BY CONSTRUCTION EQUIPMENT AND OTHER MOTOR VEHICLES.
DITCH CHECK STRUCTURES	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	INSTALL DITCH CHECKS TO CONTROL RUNOFF VELOCITY, TRAP SEDIMENTS AND REDUCE EROSION. DRAINAGE AREA, DITCH GRADIENT AND SOIL TYPE AID IN SELECTING THE PROPER DITCH CHECK.
TEMPORARY ROCK FILTER DAM (AS DITCH CHECK)	TRFD		221.02G 712.02, 713.03, 732.09	221.04G	TEMPORARY ROCK FILTER DAM DITCH CHECKS ARE CONSTRUCTED ACROSS THE DITCH OR SWALE TO LOWER THE VELOCITY OF CONCENTRATED WATER FLOWS AND CAPTURE SEDIMENT.
TEMPORARY ROCK FILTER DAM (WITH SEDIMENT TRAP)	TRFD		221.02G 712.02, 713.03, 732.09	221.04G	A TEMPORARY ROCK FILTER DAM DITCH CHECK WITH SEDIMENT TRAP IS USUALLY USED AT THE END OF A SERIES OF ROCK FILTER DAM DITCH CHECKS. THE PRIMARY PURPOSE IS TO INTERCEPT SEDIMENT AND, SECONDLY, REDUCE VELOCITY. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM EROSION, SINCE WATER WILL FLOW OVER AND AROUND THE DAM.
TEMPORARY SILT DIKE (AS DITCH CHECK)	TSD		221.02F 735.07	221.04F	THE PRIMARY PURPOSE OF A TEMPORARY SILT DIKE DITCH CHECK IS TO CONTROL THE SEDIMENT WHILE ITS SECONDARY PURPOSE IS TO SLOW THE VELOCITY OF THE WATER, THEREBY CONTROLLING THE EROSION OF THE SOILS IN THE DITCH.
REINFORCED SILT FENCE (AS DITCH CHECK)	RSF		221.02C AASHTO M288	221.04C	REINFORCED SILT FENCE DITCH CHECKS ARE PRIMARILY USED IN ROADSIDE DITCHES AND AREAS OF SHEET FLOW.
INLET PROTECTION STRUCTURES	STANDARD DRAWING NUMBER	PLAN SYMBOL	MATERIAL REFERENCES	CONSTRUCTION REFERENCES	CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.
FIBER LOG (AS INLET PROTECTION)	TFL		221.02H	221.04H	FIBER LOG INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TO A DEPTH EQUAL TO OR LESS THAN THE FIBER LOG DIAMETER. ENSURE POTENTIAL PONDING WILL NOT HAVE ADVERSE IMPACTS.
AGGREGATE INLET PROTECTION	IPD		221.02D	221.04D	THE ELEVATION OF THE TOP OF THE REQUIRED STONE BERM SHALL BE A MINIMUM OF 15 FEET ABOVE THE ELEVATION OF THE INLET WORKING POINT AND A MINIMUM OF 6 INCHES BELOW THE ELEVATION OF THE OUTSIDE EDGE OF THE INSIDE SHOULDER.
REINFORCED SILT FENCE (AS INLET PROTECTION)	IPD		221.02C	221.04C	REINFORCED SILT FENCE INLET PROTECTION PROVIDES SEDIMENT TRAPPING BY PONDING STORMWATER TEMPORARILY BEFORE IT ENTERS THE INLET. ENSURE POTENTIAL PONDING WILL NOT HAVE ADVERSE IMPACTS.

APPROVED BY ROADWAY ENGINEER: DATE: 6/24/22
ROADWAY DESIGN DIVISION STANDARD



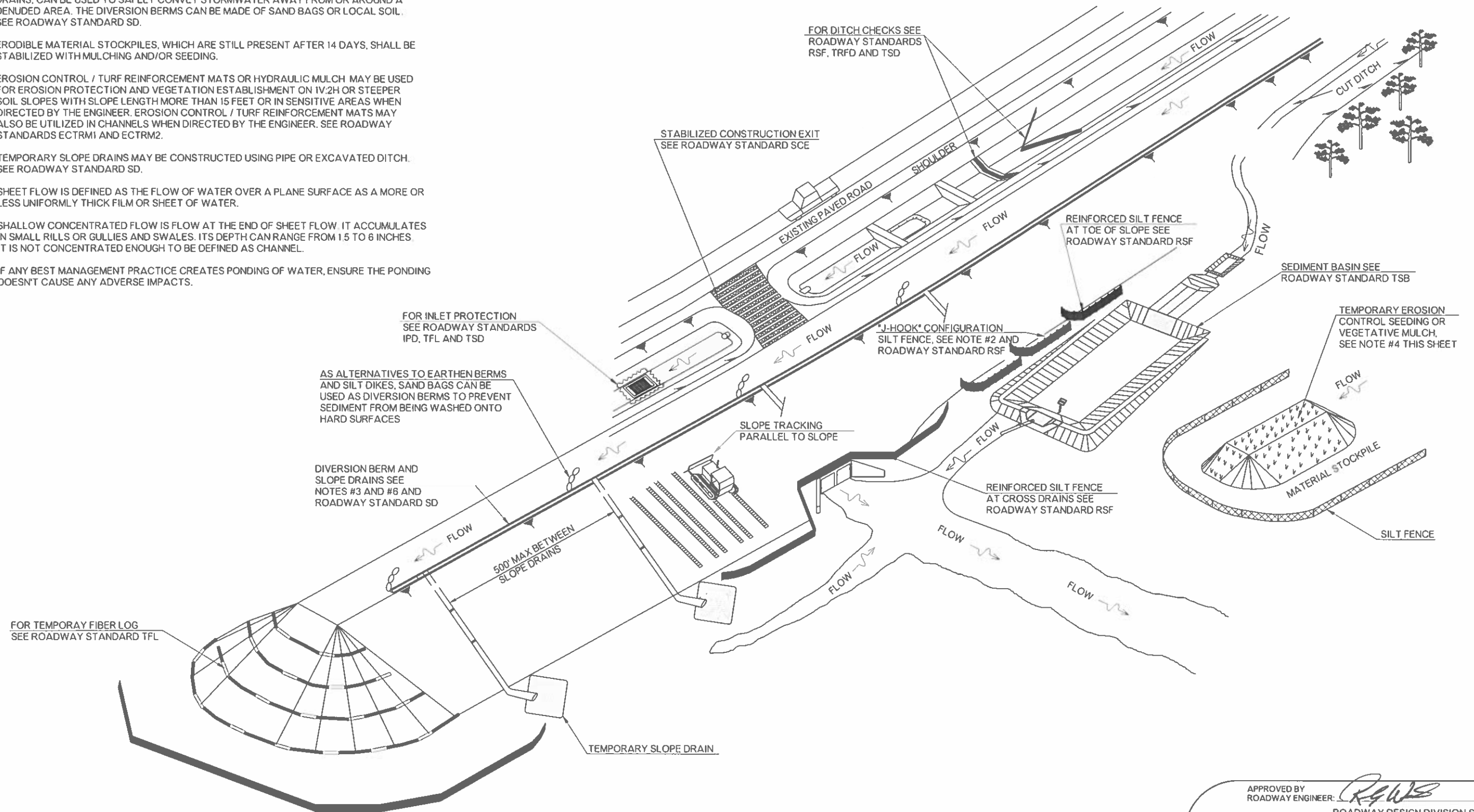
BEST MANAGEMENT PRACTICE
REFERENCE MATRIX

2019 SPECIFICATIONS

BMPR	0
	R-1

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. "J-HOOK" CONFIGURATION SILT FENCE APPLICATIONS ARE TO BE USED IN CONJUNCTION WITH PERIMETER SILT FENCE WHEN STORMWATER RUNOFF IS IN TWO DIRECTIONS (DOWN A FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).
3. FOR SHEET FLOW OR NON-CONCENTRATED FLOW, DIVERSION BERMS, AS PART OF SLOPE DRAINS, CAN BE USED TO SAFELY CONVEY STORMWATER AWAY FROM OR AROUND A DENUDED AREA. THE DIVERSION BERMS CAN BE MADE OF SAND BAGS OR LOCAL SOIL. SEE ROADWAY STANDARD SD.
4. ERODIBLE MATERIAL STOCKPILES, WHICH ARE STILL PRESENT AFTER 14 DAYS, SHALL BE STABILIZED WITH MULCHING AND/OR SEEDING.
5. EROSION CONTROL / TURF REINFORCEMENT MATS OR HYDRAULIC MULCH MAY BE USED FOR EROSION PROTECTION AND VEGETATION ESTABLISHMENT ON 1V:2H OR STEEPER SOIL SLOPES WITH SLOPE LENGTH MORE THAN 15 FEET OR IN SENSITIVE AREAS WHEN DIRECTED BY THE ENGINEER. EROSION CONTROL / TURF REINFORCEMENT MATS MAY ALSO BE UTILIZED IN CHANNELS WHEN DIRECTED BY THE ENGINEER. SEE ROADWAY STANDARDS ECTRM1 AND ECTRM2.
6. TEMPORARY SLOPE DRAINS MAY BE CONSTRUCTED USING PIPE OR EXCAVATED DITCH. SEE ROADWAY STANDARD SD.
7. SHEET FLOW IS DEFINED AS THE FLOW OF WATER OVER A PLANE SURFACE AS A MORE OR LESS UNIFORMLY THICK FILM OR SHEET OF WATER.
8. SHALLOW CONCENTRATED FLOW IS FLOW AT THE END OF SHEET FLOW. IT ACCUMULATES IN SMALL RILLS OR GULLIES AND SWALES. ITS DEPTH CAN RANGE FROM 1/8 TO 6 INCHES. IT IS NOT CONCENTRATED ENOUGH TO BE DEFINED AS CHANNEL.
9. IF ANY BEST MANAGEMENT PRACTICE CREATES PONDING OF WATER, ENSURE THE PONDING DOESN'T CAUSE ANY ADVERSE IMPACTS.



FOR TEMPORARY FIBER LOG
SEE ROADWAY STANDARD TFL

DIVERSION BERM AND
SLOPE DRAINS SEE
NOTES #3 AND #6 AND
ROADWAY STANDARD SD

AS ALTERNATIVES TO EARTHEN BERMS
AND SILT DIKES, SAND BAGS CAN BE
USED AS DIVERSION BERMS TO PREVENT
SEDIMENT FROM BEING WASHED ONTO
HARD SURFACES

FOR INLET PROTECTION
SEE ROADWAY STANDARDS
IPD, TFL AND TSD

TEMPORARY SLOPE DRAIN

500' MAX BETWEEN
SLOPE DRAINS

SLOPE TRACKING
PARALLEL TO SLOPE

"J-HOOK" CONFIGURATION
SILT FENCE, SEE NOTE #2 AND
ROADWAY STANDARD RSF

REINFORCED SILT FENCE
AT CROSS DRAINS SEE
ROADWAY STANDARD RSF

MATERIAL STOCKPILE

SILT FENCE

SEDIMENT BASIN SEE
ROADWAY STANDARD TSB

TEMPORARY EROSION
CONTROL SEEDING OR
VEGETATIVE MULCH,
SEE NOTE #4 THIS SHEET

REINFORCED SILT FENCE
AT TOE OF SLOPE SEE
ROADWAY STANDARD RSF

FOR DITCH CHECKS SEE
ROADWAY STANDARDS
RSF, TRFD AND TSD

STABILIZED CONSTRUCTION EXIT
SEE ROADWAY STANDARD SCE

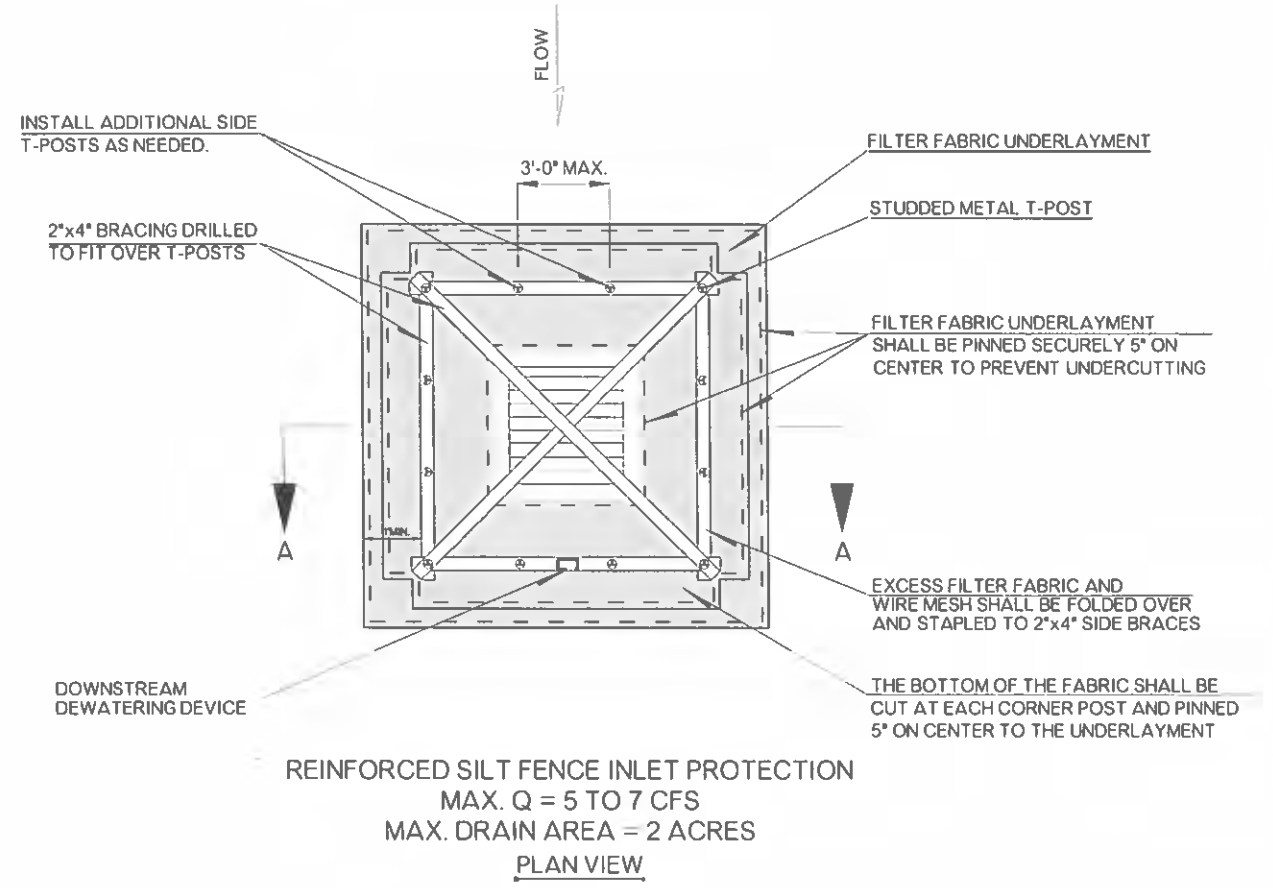
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ROADWAY DESIGN DIVISION STANDARD
TYPICAL TEMPORARY EROSION/
SEDIMENT CONTROL APPLICATIONS

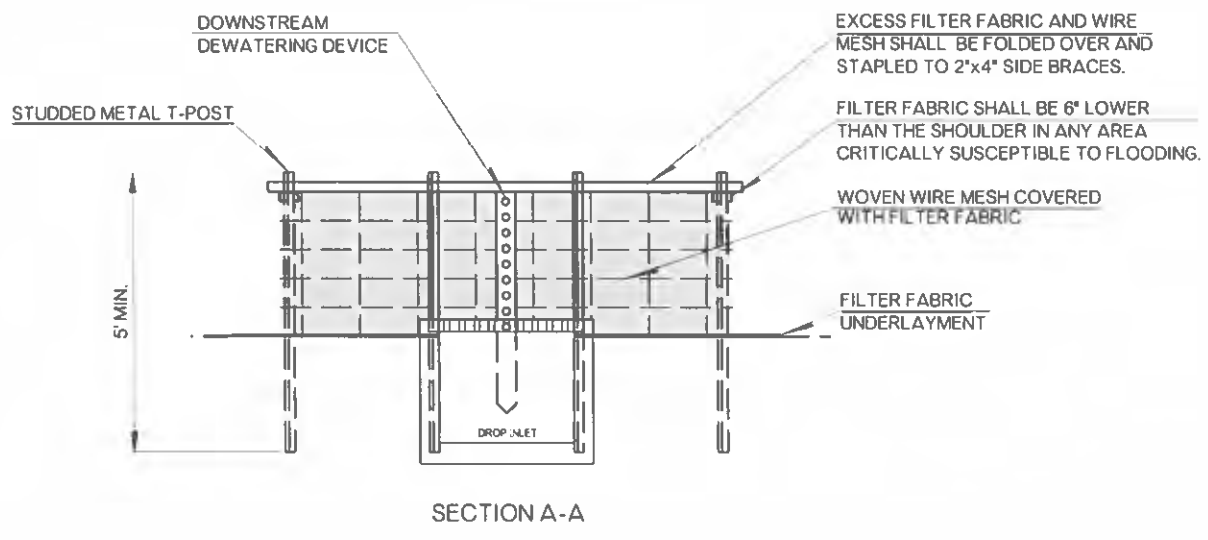


2019 SPECIFICATIONS

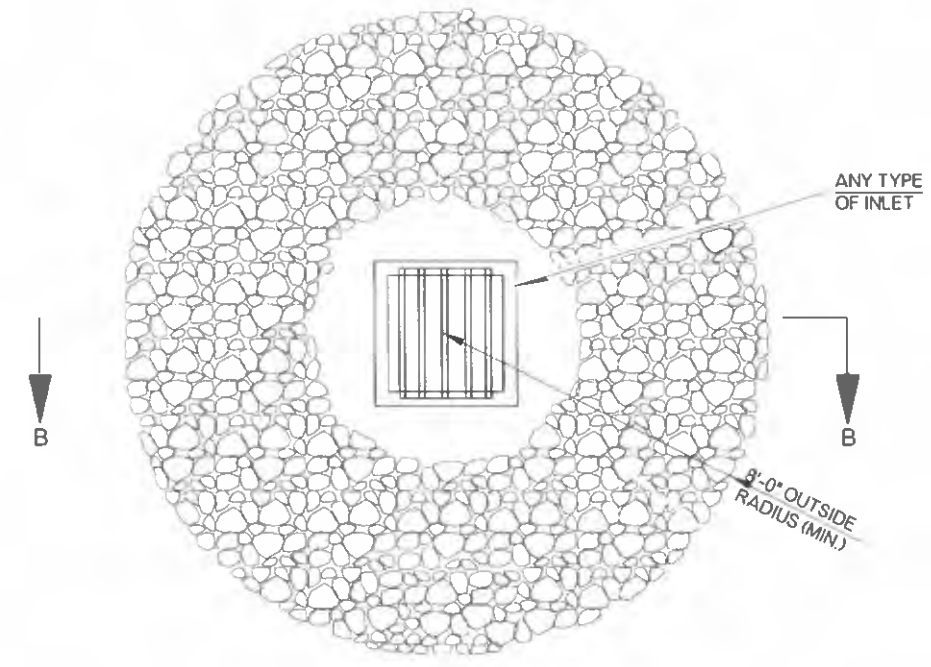
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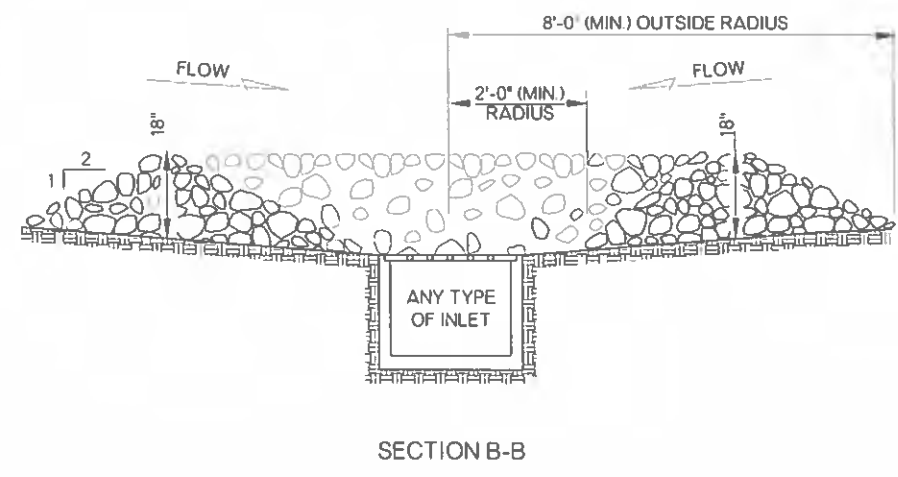
REINFORCED SILT FENCE INLET PROTECTION
 MAX. Q = 5 TO 7 CFS
 MAX. DRAIN AREA = 2 ACRES
 PLAN VIEW



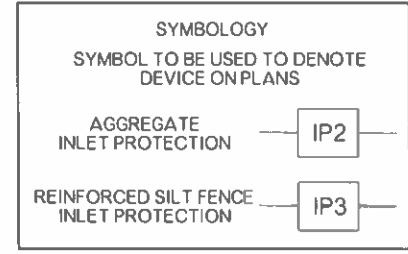
SECTION A-A



AGGREGATE INLET PROTECTION
 MAX. Q = 3 TO 5 CFS
 MAX. DRAIN AREA = 1 ACRE
 PLAN VIEW



SECTION B-B



GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
2. CONFIGURATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER FOR TRAVELWAY SAFETY, WATER FLOW, SOIL OR INSTALLATION CHALLENGES.
 REINFORCED SILT FENCE MAY BE REQUIRED UPSLOPE OF THE INLET EXCAVATION AS DIRECTED BY THE ENGINEER.
4. IF REINFORCED SILT FENCE IS INSTALLED AROUND THE INLET EXCAVATION IT SHOULD BE PLACED IN A CONFIGURATION THAT WILL ALLOW INLET CONSTRUCTION.
5. DEWATERING HOLES IN THE DEWATERING DEVICE SHALL BE 1 TO 1 1/2 INCHES IN DIAMETER AND SPACED 2 TO 3 INCHES APART TO ALLOW FOR DEWATERING IN NO MORE THAN 48 HOURS. IF THIS DOESNT FUNCTION PROPERLY, ANOTHER DEVICE CAN BE ADDED AT THE DIRECTION OF THE ENGINEER.
6. FASTEN DEWATERING DEVICE TO THE 2 INCHES BY 4 INCHES SIDE BRACE
7. STAPLE FILTER FABRIC TO DEWATERING DEVICE AND CUT ACROSS SLITS IN THE FILTER FABRIC AT THE HOLE LOCATIONS TO ALLOW WATER TO FLOW THROUGH PROVIDE FILTER FABRIC IN ACCORDANCE WITH AASHTO M 288 SPECIFICATION.
8. PRICE BID FOR THE REINFORCED SILT FENCE INLET PROTECTION WILL INCLUDE FILTER FABRIC, POSTS, WIRE MESH, WOOD BRACING, DEWATERING DEVICE AND ALL INCIDENTALS REQUIRED TO COMPLETE ITS INSTALLATION. THIS INLET PROTECTION DEVICE SHALL BE PAID FOR AS TEMPORARY INLET SEDIMENT FILTER, WITH UNITS OF EACH.
10. COST FOR ALL MATERIALS, LABOR AND MAINTENANCE OF THE AGGREGATE INLET PROTECTION SHALL BE PAID FOR AS TEMPORARY INLET SEDIMENT FILTER WITH UNITS OF EACH
11. INLET PROTECTION DEVICES SHALL BE LEFT IN PLACE UNTIL THE DRAINAGE AREA IS PERMANENTLY STABILIZED WITH ESTABLISHED VEGETATION OR PAVEMENT

ROCK GRADATION FOR THE AGGREGATE INLET PROTECTION (TEMPORARY SEDIMENT FILTER) SHALL BE AS FOLLOWS

PERCENT PASSING	SIEVE SIZE
100	4 INCH
90-100	3.5 INCH
25-60	2.5 INCH
0-15	1.5 INCH
0-5	3/4 INCH

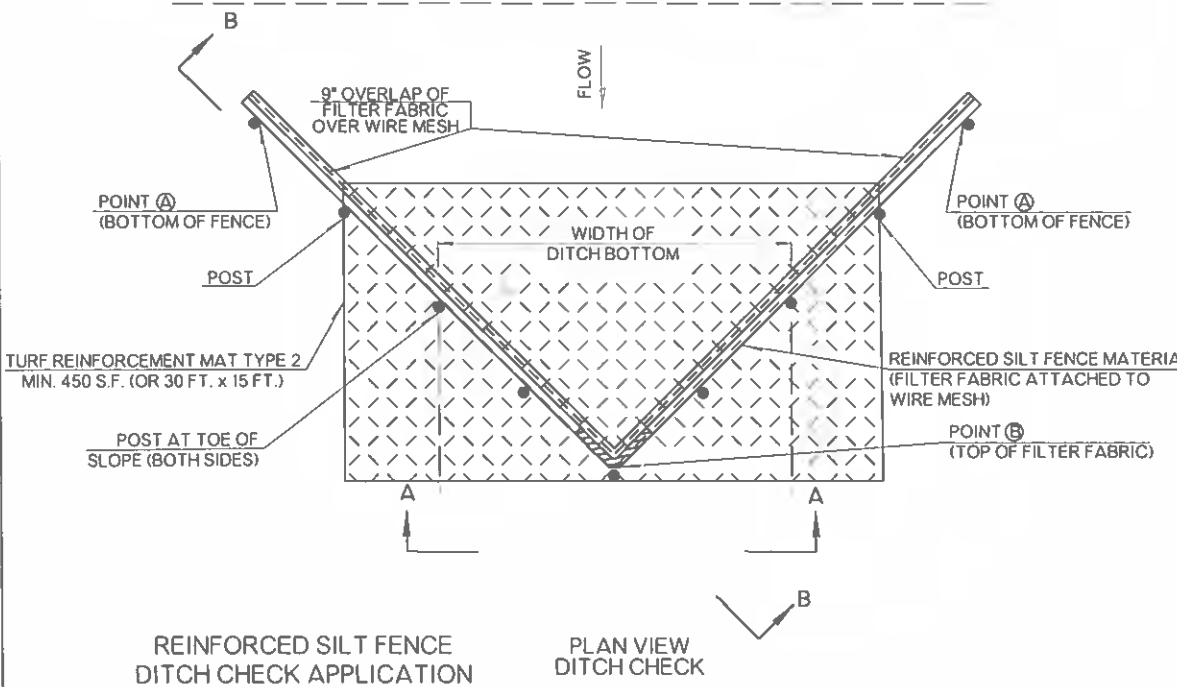
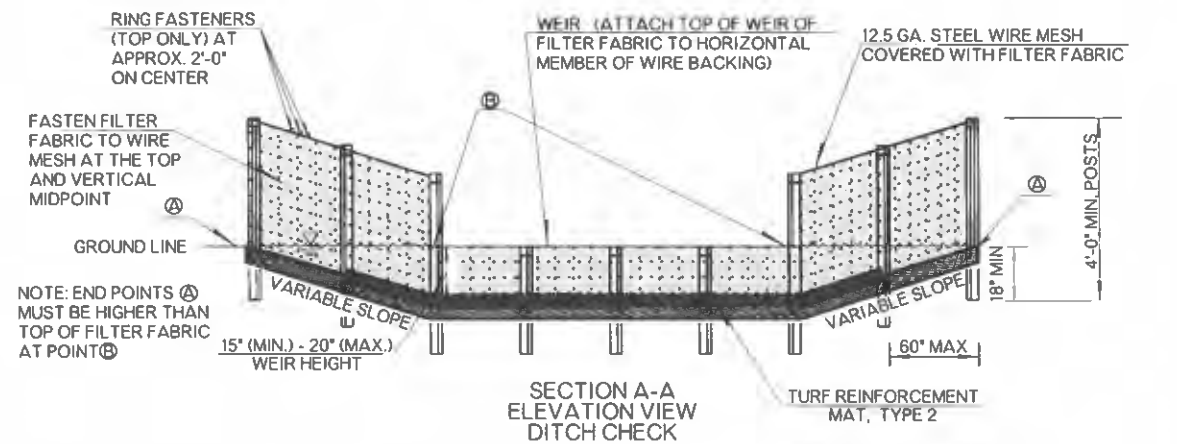
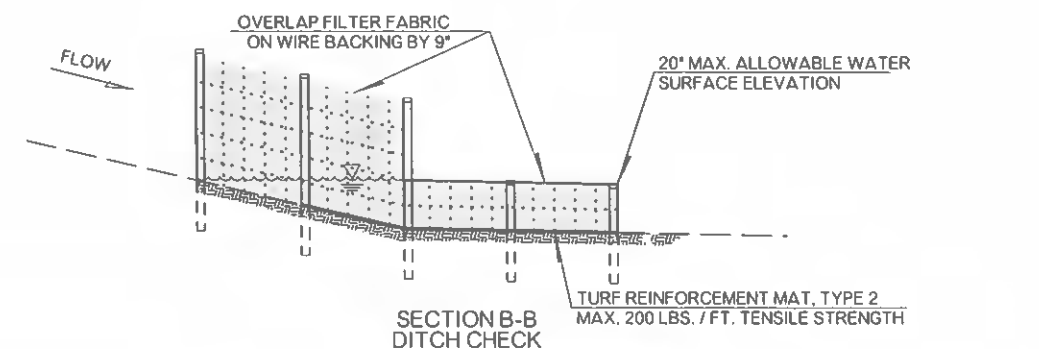
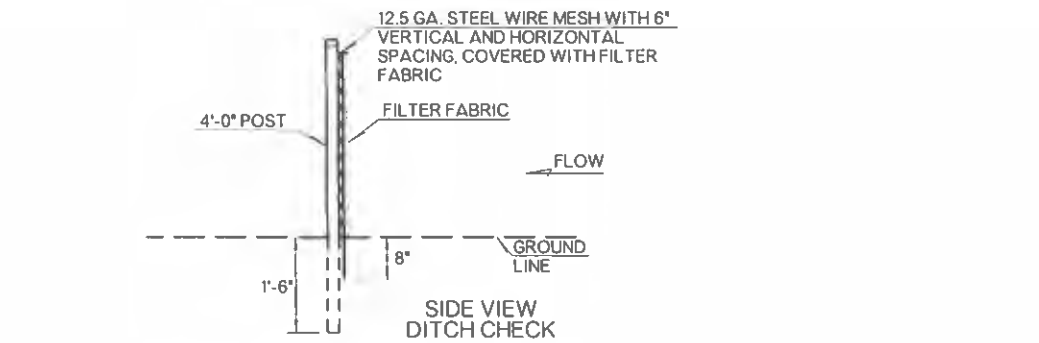
BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
22(H)	(PL) TEMPORARY INLET SEDIMENT FILTER	EA

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ROADWAY DESIGN DIVISION STANDARD
INLET PROTECTION
 (AGGREGATE AND REINFORCED SILT FENCE APPLICATIONS)

OKLAHOMA
 Transportation

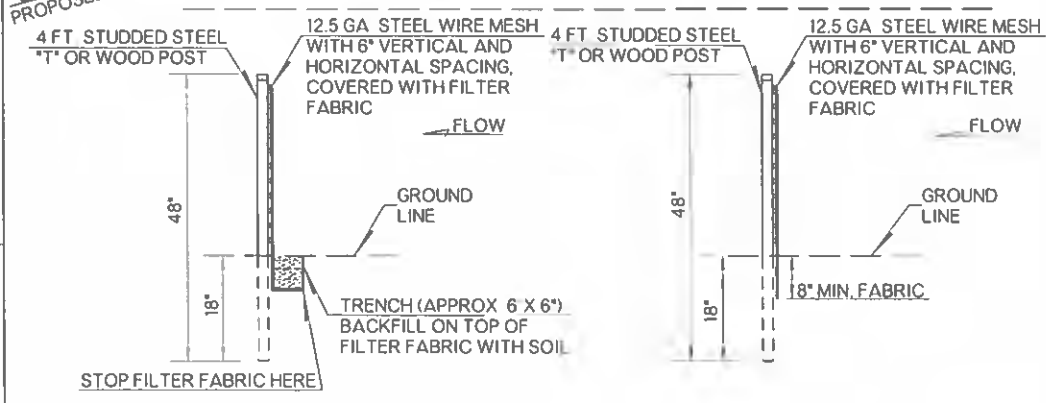
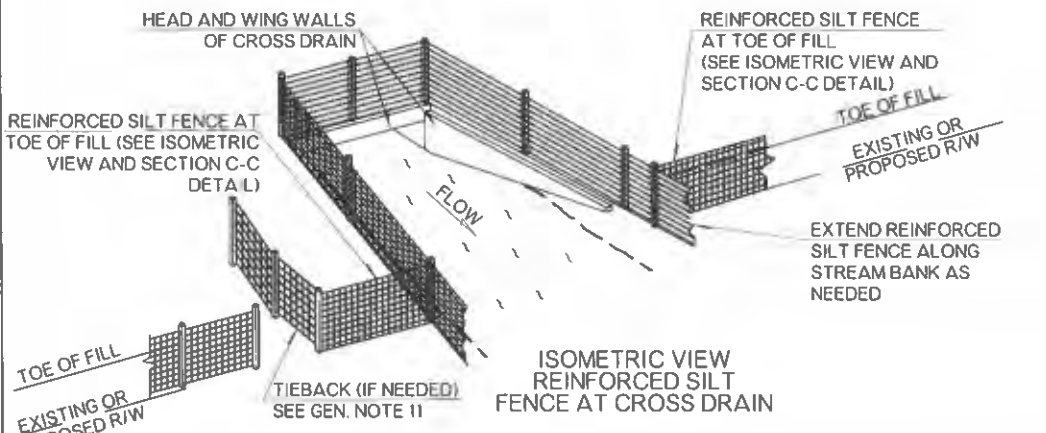
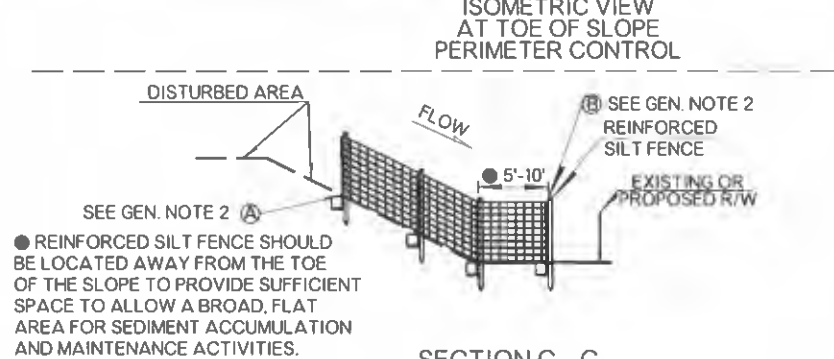
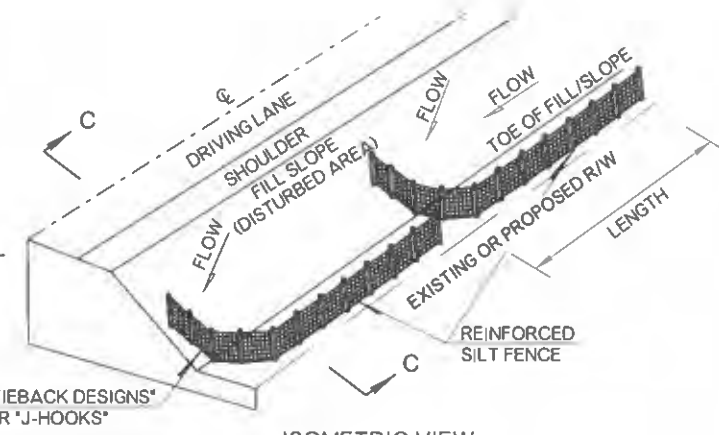
2019 SPECIFICATIONS



SUGGESTED LENGTHS OF EACH SECTION OF SILT FENCE ARE AS FOLLOWS:

LONG. SLOPE	LENGTH
5%	60' MAX.
4%	75' MAX.
3%	100' MAX.
2%	150' MAX.
1%	300' MAX.

① LENGTH IS ONLY THE LONGITUDINAL LENGTH PARALLEL TO THE TOE OF SLOPE. LENGTH OF 'J-HOOK' IS DEPENDENT UPON FILL SLOPE.



SIDE VIEW - METHOD I TRENCHING INSTALLATION (PREFERRED METHOD) SIDE VIEW - METHOD II MECHANICAL SLICING INSTALLATION
REINFORCED SILT FENCE PERIMETER CONTROL APPLICATIONS

GENERAL NOTES

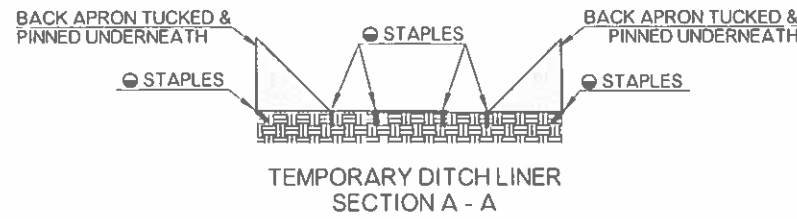
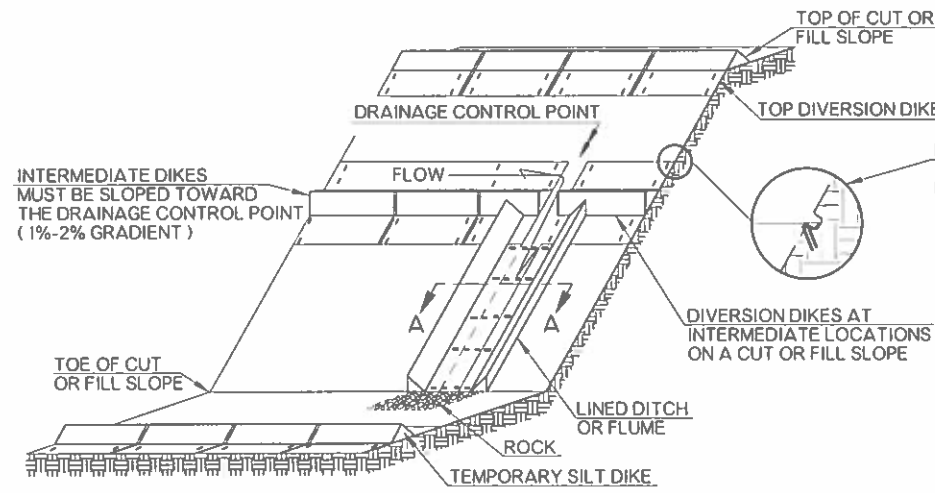
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
- AFTER THE REINFORCED SILT FENCE IS INSTALLED IN THE DITCH, IF THE TOP OF THE FILTER FABRIC (WEIR) AT POINT (B) IS HIGHER THAN THE BOTTOM OF THE FENCE AT POINT (A) (EDGES OF FENCE) THEN NO WEIR IS REQUIRED.
- REINFORCED SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT OF WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR ADDITIONAL BEST MANAGEMENT PRACTICES SUCH AS VEGETATED BUFFERS.
- THE CONTRACTOR MAY ELECT TO USE EITHER INSTALLATION METHOD I OR METHOD II
- METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL
- REINFORCED SILT FENCE SHALL BE A FILTER FABRIC SUPPORTED BETWEEN POSTS WITH A WIRE MESH BACKING. ATTACH THE FILTER FABRIC TO THE WIRE MESH USING 16 GA. GALVANIZED STEEL C-RING STAPLES OR OTHER SIMILAR ACCEPTABLE MEANS. PROVIDE FILTER FABRIC IN ACCORDANCE WITH AASHTO M 288 SPECIFICATION.
- WOOD POSTS SHALL BE OF SOUND QUALITY WOOD WITH A NOMINAL CROSS SECTIONAL AREA OF 1.5 X 1.5 INCHES. STEEL POSTS SHALL BE STANDARD T AND U SECTIONS WEIGHING NOT LESS THAN 1.33 POUNDS PER LINEAR FOOT OR OTHER STEEL POSTS HAVING EQUIVALENT STRENGTH AND BENDING RESISTANCE
- FILTER FABRIC SHALL BE FURNISHED WITH A SUITABLE WRAPPING FOR PROTECTION AGAINST MOISTURE AND EXTENDED ULTRAVIOLET EXPOSURE PRIOR TO PLACEMENT ROLLS SHALL BE STORED IN A MANNER WHICH PROTECTS THEM FROM THE ELEMENTS IF STORED OUTDOORS THEY SHALL BE ELEVATED AND PROTECTED WITH A WATERPROOF COVER
- WIRE MESH BACKING SHALL BE MADE OF 12.5 GAUGE STEEL THE VERTICAL AND HORIZONTAL SPACING OF THE WIRE SHALL BE 6 INCHES ATTACH WIRE MESH TO POSTS BY MEANS OF 11 GA ALUMINUM FENCE WIRE TIES AT 6.5 INCHES LONG, OR APPROVED SIMILAR.
- TIEBACK DESIGNS SHOULD BE INSTALLED SUCH THAT THE BOTTOM OF THE END OF THE SILT FENCE (WHERE THE J-HOOK IS INSTALLED ON THE SLOPE), OR POINT A, SHOULD BE AT A HIGHER ELEVATION THAN THE TOP OF THE SILT FENCE AT THE TOE OF THE FILL SLOPE, OR POINT B SEE SECTION C-C FOR VISUAL
- TIEBACK DESIGNS SHOULD ONLY BE USED WHEN THERE IS RUNOFF FLOW BOTH DOWN THE FILL SLOPE AND LONGITUDINALLY IN THE DIRECTION OF THE ROAD MEASURE SILT FENCE IN PLACE, INCLUDING THE STRAIGHT SECTION AND THE 'J-HOOK' SECTION.
- PRICE BID FOR REINFORCED SILT FENCE SHALL INCLUDE COST OF ALL MATERIALS AND LABOR NECESSARY FOR CONSTRUCTION, MAINTENANCE AND REMOVAL, REGARDLESS OF APPLICATION
- TEMPORARY (STANDARD) SILT FENCE MAY BE USED IN LIEU OF REINFORCED SILT FENCE IF APPROVED BY THE ENGINEER TEMPORARY SILT FENCE IS TYPICALLY USED WHERE SHEET FLOW OCCURS REINFORCED SILT FENCE IS USUALLY USED WHERE CONCENTRATION FLOW OCCURS.

BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
221(B)	TEMPORARY SILT FENCE	LF
221(C)	REINFORCED SILT FENCE	LF

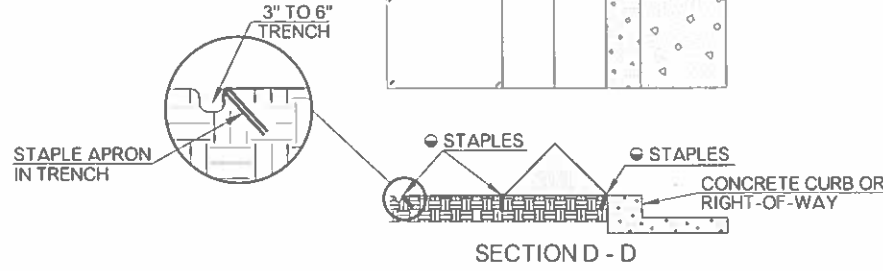
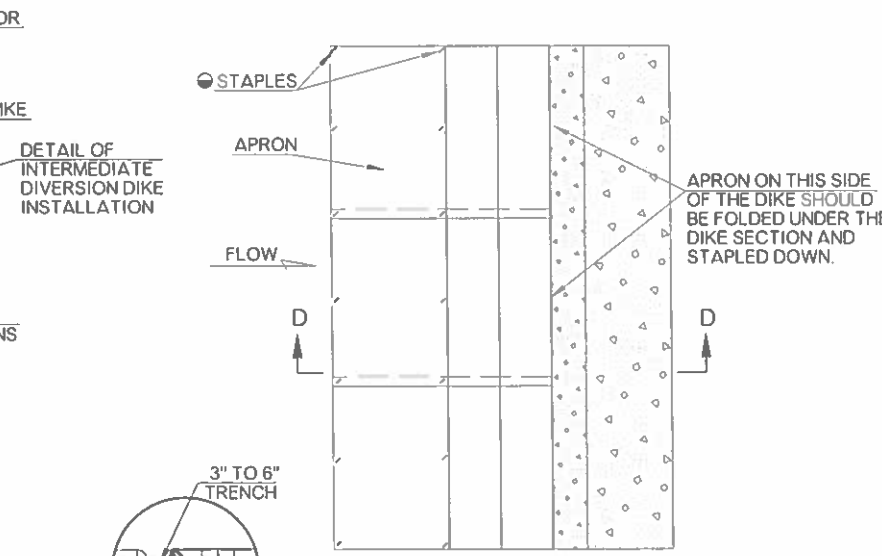
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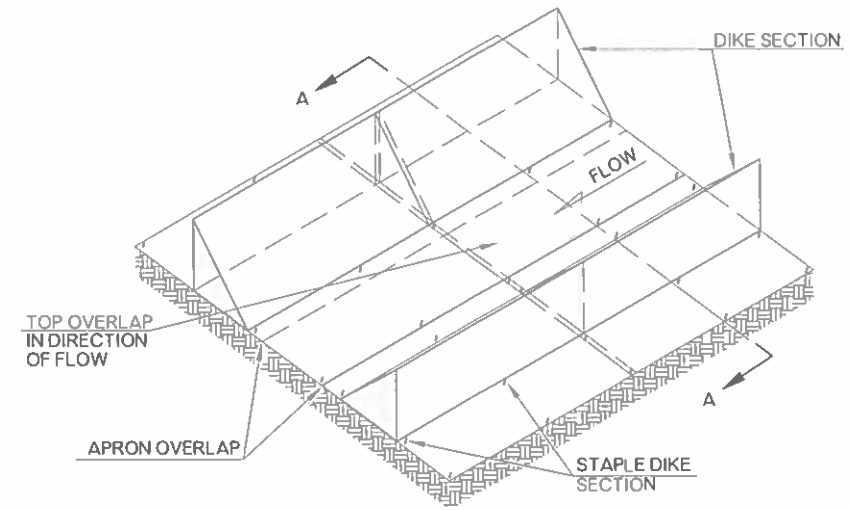
REINFORCED SILT FENCE INSTALLATION AND APPLICATIONS



TEMPORARY SILT DIKE INSTALLATION AS DIVERSION DIKE AND / OR DITCH CHECK



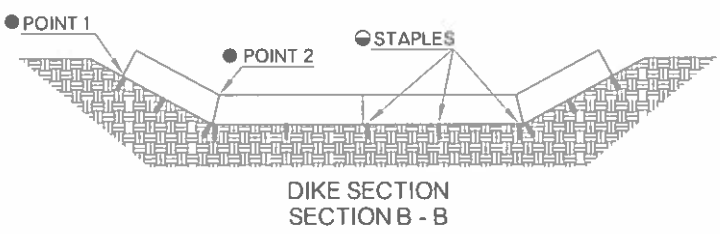
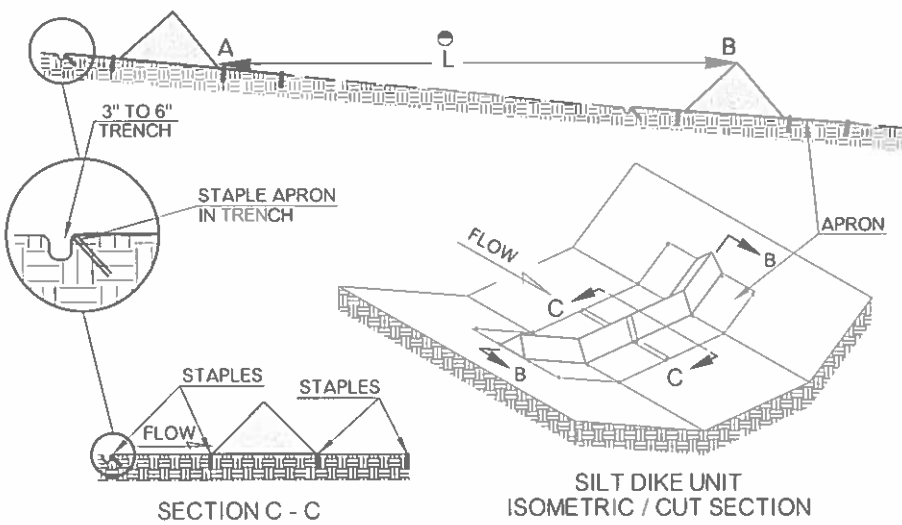
TEMPORARY SILT DIKE INSTALLATION AS PERIMETER CONTROL



TEMPORARY SILT DIKE INSTALLATION AS TEMPORARY DITCH LINER

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, AND MAINTAINING THE TEMPORARY SILT DIKE. THE DIKES SHALL BE USED AS A CONTINUOUS LINE BARRIER AT THE TOE OF SLOPE OR ACROSS THE ROADWAY DITCH TO CONTAIN SEDIMENT AND MINIMIZE EROSION, OR AS DIRECTED BY THE ENGINEER. THESE DIKES SHALL BE INSTALLED AND LOCATED AS SOON AS CONSTRUCTION WILL ALLOW OR AS DIRECTED BY THE ENGINEER.
3. TEMPORARY SILT DIKE SHALL BE TRIANGULAR SHAPED HAVING A HEIGHT OF AT LEAST 8 TO 10 INCHES IN THE CENTER WITH EQUAL SIDES AND A 16 TO 20 INCH BASE. THE TRIANGULAR SHAPED INNER MATERIAL SHALL BE URETHANE FOAM MEETING THE REQUIREMENTS FOR ASTM D3574. THE OUTER COVER SHALL BE A WOVEN GEOTEXTILE FABRIC PLACED AROUND THE INNER MATERIAL AND ALLOWED TO EXTEND BEYOND BOTH SIDES OF THE TRIANGLE 24 INCHES TO 36 INCHES. THIS FABRIC SHOULD BE MILDEW RESISTANT, ROT-PROOF RESISTANT TO HEAT AND ULTRAVIOLET RADIATION, AND MEETING REQUIREMENTS FOR SEDIMENT CONTROL IN AASHTO M 288. THE DIKES SHALL BE ATTACHED TO THE GROUND WITH WIRE STAPLES. THE STAPLES SHALL BE NO. 11 GAUGE WIRE AND BE AT LEAST 6 TO 8 INCHES LONG. STAPLES SHALL BE PLACED AS SHOWN ON THESE DETAILS.
4. SILT DIKES ARE FURNISHED IN 7 FOOT INCREMENTS. TOP OVERLAPS SHALL BE INSTALLED IN THE DIRECTION OF FLOW.
5. SILT DIKE DITCH CHECKS SHOULD BE SPACED SO THAT THE ELEVATION OF THE TOE OF THE UPSTREAM DEVICE IS EQUAL TO THE ELEVATION OF THE CREST OF THE DOWNSTREAM DEVICE. THIS ALLOWS THE WATER BETWEEN EACH DITCH CHECK TO POOL, GREATLY REDUCING THE FLOW VELOCITY.
6. ACCEPTED TEMPORARY SILT DIKE, MEASURED AS PROVIDED ABOVE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE BID FOR TEMPORARY SILT DIKE. PRICE BID WILL INCLUDE THE COST OF FURNISHING THE DIKES, INSTALLING, MAINTAINING AND REMOVAL WHEN DIRECTED BY THE ENGINEER.

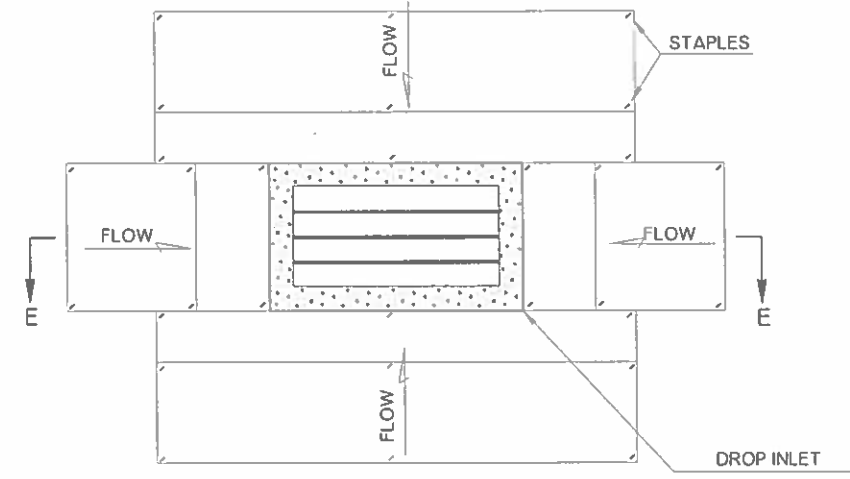


TEMPORARY SILT DIKE INSTALLATION AS ROADWAY DITCH OR DRAINAGE DITCH CHECK

- POINT "1" MUST BE HIGHER THAN POINT "2" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
- STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE UNIT AS SHOWN ON THE DIAGRAM.
- L = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION

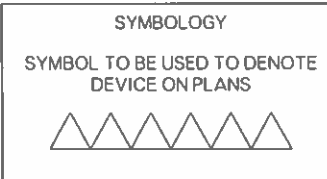
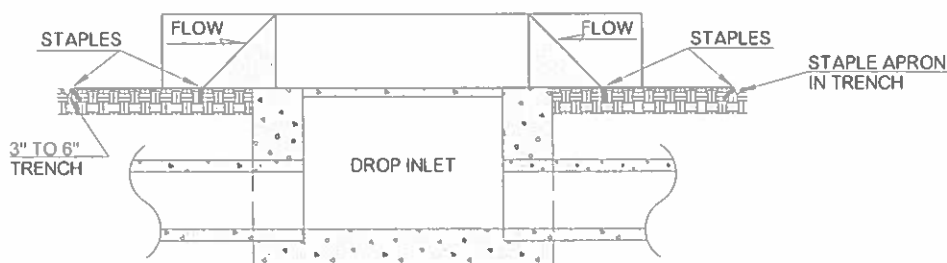
DITCH CHECK SPACING FORMULA:

$$\text{SPACING, IN FT.} = \frac{\text{DITCH CHECK HEIGHT, IN FT.}}{\text{SLOPE, IN DECIMALS}}$$



TEMPORARY SILT DIKE INSTALLATION FOR DROP INLETS

NOTE: SILT DIKE SHOULD ONLY BE USED FOR DROP INLETS IN SUMP LOCATIONS. FOR DROP INLETS ON GRADE, USE SEDIMENT TRAPS OR OTHER CONTROLS.



BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
221(E)	TEMPORARY SILT DIKE	LF

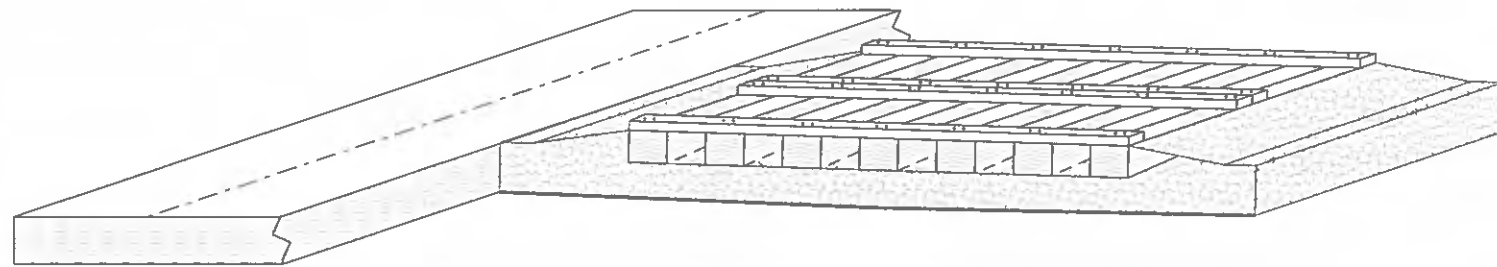
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ROADWAY DESIGN DIVISION STANDARD

TEMPORARY SILT DIKE APPLICATIONS

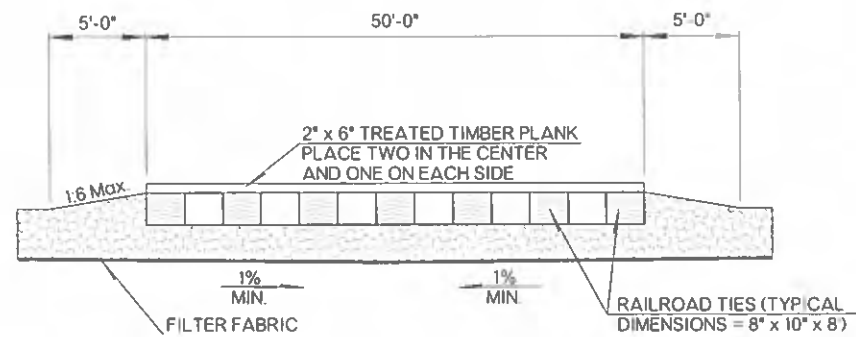
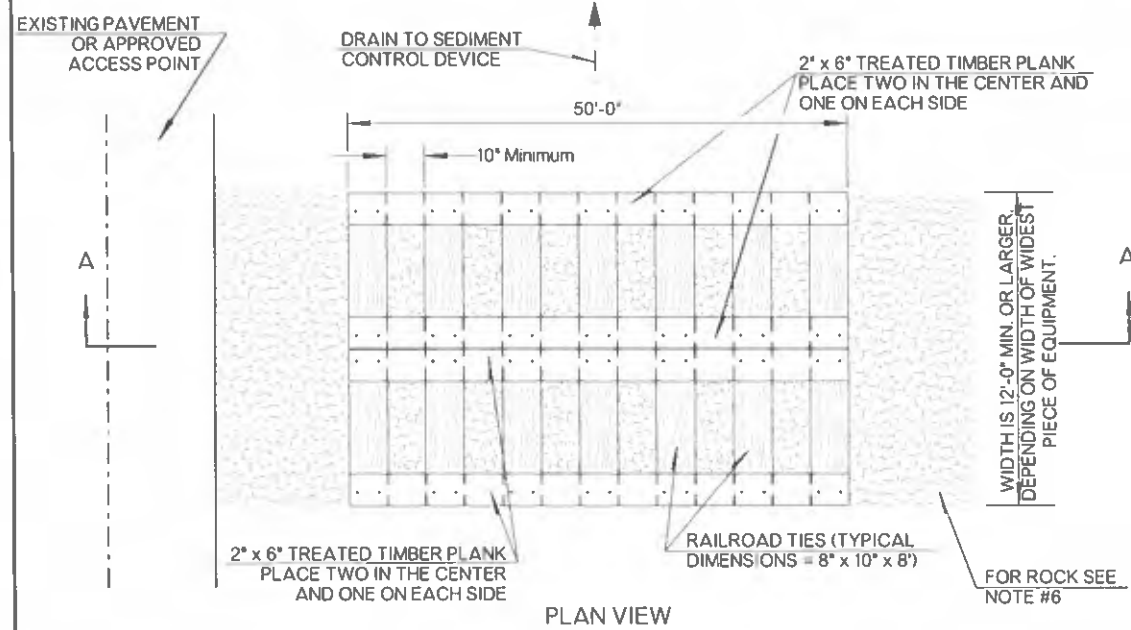


2019 SPECIFICATIONS

TSD	0
	R-7



STABILIZED CONSTRUCTION EXIT

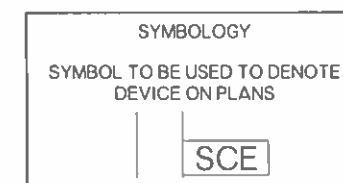


SEC A-A
PROFILE VIEW

GENERAL NOTES

1. LOCATION OF STABILIZED CONSTRUCTION EXIT TO BE AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER.
2. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 1:6 OR AS DIRECTED BY THE ENGINEER.
3. RUNOFF FROM THE CONSTRUCTION EXIT SHALL BE DIRECTED TO AN APPROPRIATE SEDIMENT CONTROL DEVICE AS APPROVED BY THE ENGINEER.
4. THE TREATED TIMBER PLANKS SHALL BE #2 GRADE MINIMUM, AND SHOULD BE FREE FROM LARGE OR LOOSE KNOTS.
5. THE TREATED TIMBER PLANKS SHALL BE ATTACHED TO THE RAILROAD TIES WITH 1/2 IN. X 6 IN LAG BOLTS. OTHER FASTENERS MAY BE USED AS APPROVED BY THE ENGINEER.
6. MATERIALS FOR THE ROCK BASE SHALL BE IN ACCORDANCE WITH CURRENT STANDARD SPECIFICATIONS, SEC. 713.03 "GABIONS, REVETMENT MATTRESSES, AND ROCK FILTER DAMS."
7. ALL MATERIALS, LABOR AND MAINTENANCE TO COMPLETE THE STABILIZED CONSTRUCTION EXIT SHALL BE INCLUDED IN THE COST OF WORK, INCLUDED IN THE BID AND NOT PAID FOR SEPARATELY
8. MAINTENANCE INCLUDING SEDIMENT REMOVAL AND ROUTINE INSPECTION OF THE DEVICE, SHALL BE INCLUDED IN THE COST OF WORK AND PERFORMED AT THE DISCRETION OF THE ENGINEER
9. AN ALTERNATE DESIGN MAY BE USED, DUE TO PROJECT SPACE CONSTRAINTS, IF APPROVED BY ENGINEER. ALL MATERIALS, LABOR, INSTALLATION AND MAINTENANCE NEEDED FOR THE ALTERNATE DEVICE SHALL BE PAID FOR "STABILIZED CONSTRUCTION EXIT"

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
242	STABILIZED CONSTRUCTION EXIT	EA



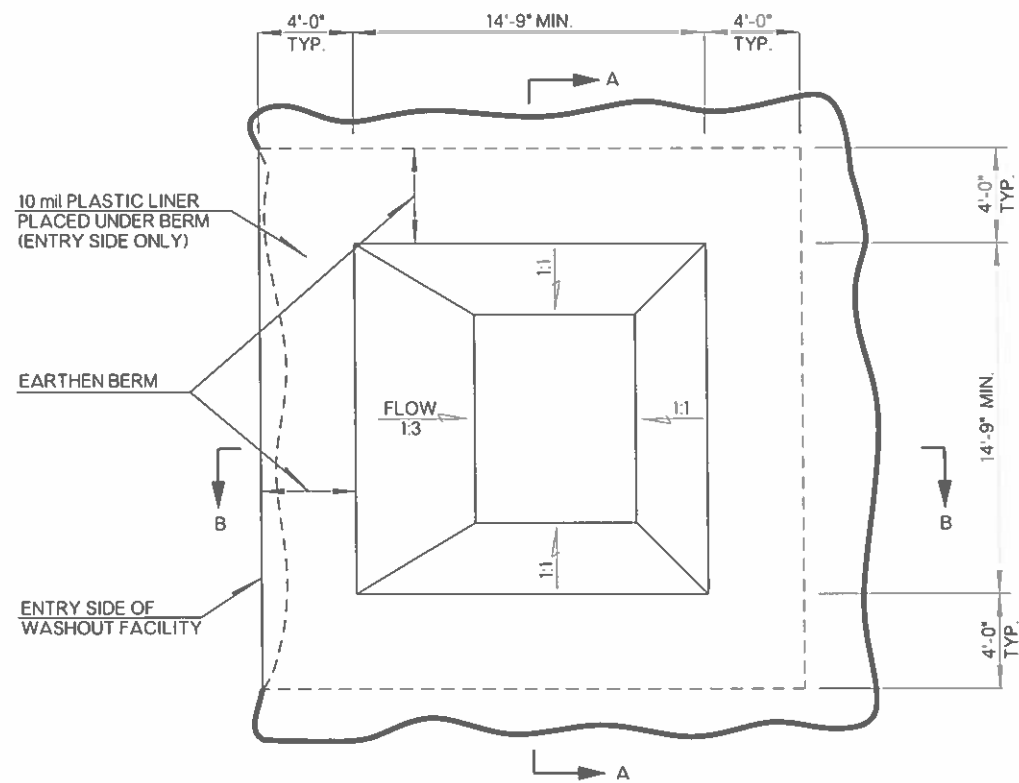
APPROVED BY ROADWAY ENGINEER: *RGS* DATE 6/24/22
ROADWAY DESIGN DIVISION STANDARD

STABILIZED CONSTRUCTION EXIT

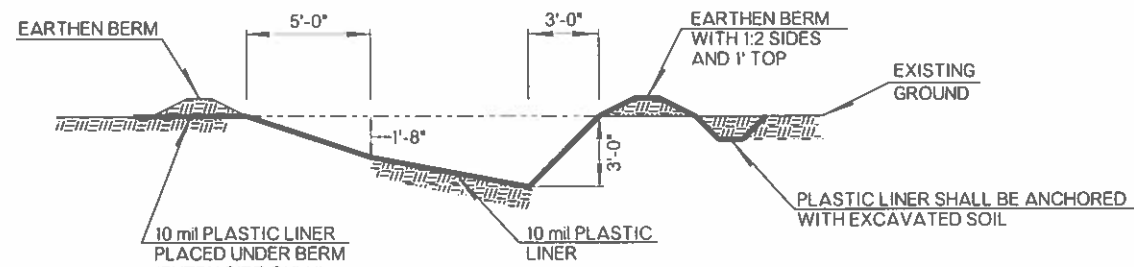


2019 SPECIFICATIONS

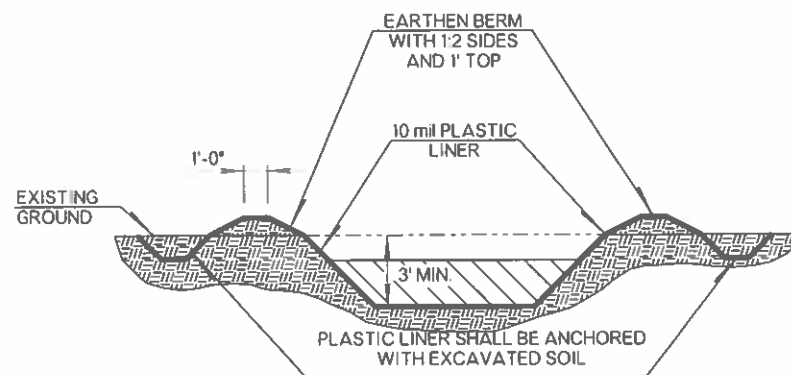
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R-11	



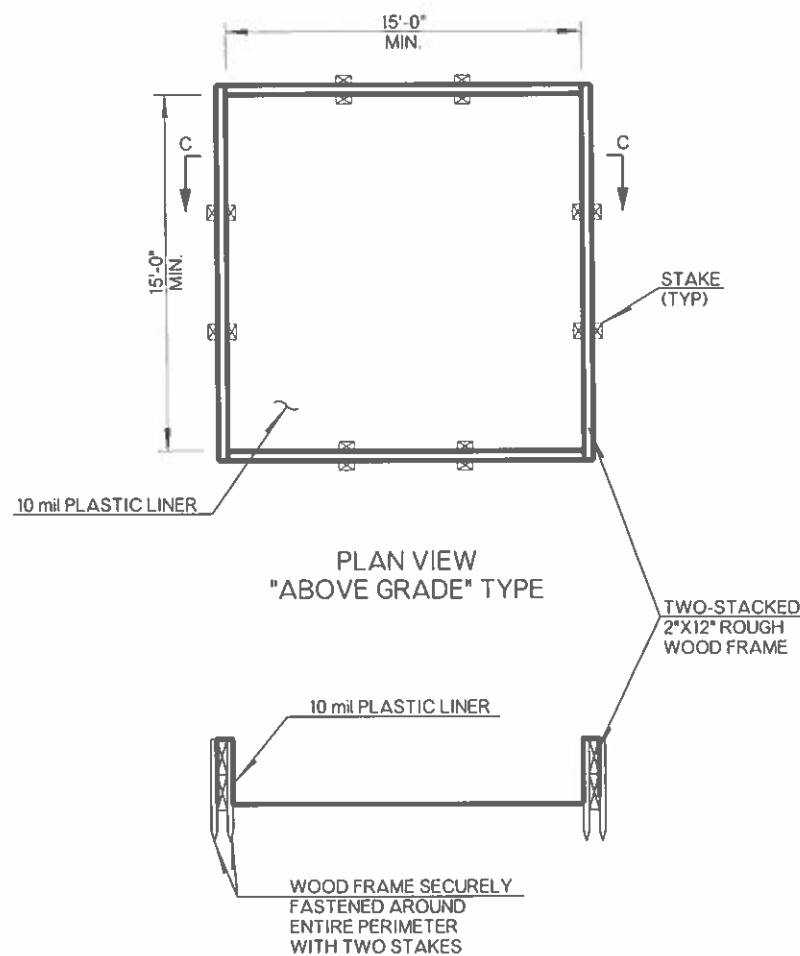
PLAN VIEW
"BELOW GRADE" TYPE



SECTION B-B



SECTION A-A



PLAN VIEW
"ABOVE GRADE" TYPE

SECTION C-C

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION 220.04.H(2) OF THE 2019 ODOT STANDARD SPECIFICATIONS.
2. TEMPORARY CONCRETE WASHOUT DEVICES SHOULD BE CONSTRUCTED ABOVE GRADE OR BELOW GRADE AT THE OPTION OF THE CONTRACTOR. WASHOUT DEVICE SHOULD BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
3. PROVIDE A WASHOUT AREA A MINIMUM OF 50 FEET AWAY FROM INLETS, SWALES, DRAINAGE WAYS AND CHANNELS, IF THE SITE CONFIGURATION PROVIDES SUFFICIENT SPACE TO DO SO. IN NO CASE SHALL THE CONCRETE WASHOUT DEVICE BE INSTALLED CLOSER THAN 20 FEET FROM INLETS, SWALES, DRAINAGE WAYS AND CHANNELS.
4. PLASTIC LINER SHALL CONFORM TO ASTM D-4397, BE A MINIMUM OF 10 MIL (0.10 INCHES) THICK, AND FREE OF ALL TEARS AND HOLES AND BE IMPERMEABLE.
5. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE LOCATION OF THE CONCRETE WASHOUT DEVICE, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE FACILITY TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
6. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.
7. THE CONCRETE WASHOUT DEVICE SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE, AND SHOULD REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.
8. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED, ALONG WITH THE PLASTIC LINER, ONCE THE PIT HAS REACHED 50% CAPACITY, USING SUITABLE WATER TIGHT CONTAINERS AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS OR IN A MANNER APPROVED BY THE RESIDENT ENGINEER.
9. ALL MATERIALS, LABOR AND SIGNS NEEDED TO CONSTRUCT AND MAINTAIN THE CONCRETE WASHOUT DEVICE SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
10. ALTERNATE DESIGNS OF THE CONCRETE WASHOUT DEVICE MAY BE USED IF APPROVED BY THE ENGINEER.

APPROVED BY
ROADWAY ENGINEER: *R. W. S.* DATE: 6/24/22
ROADWAY DESIGN DIVISION STANDARD

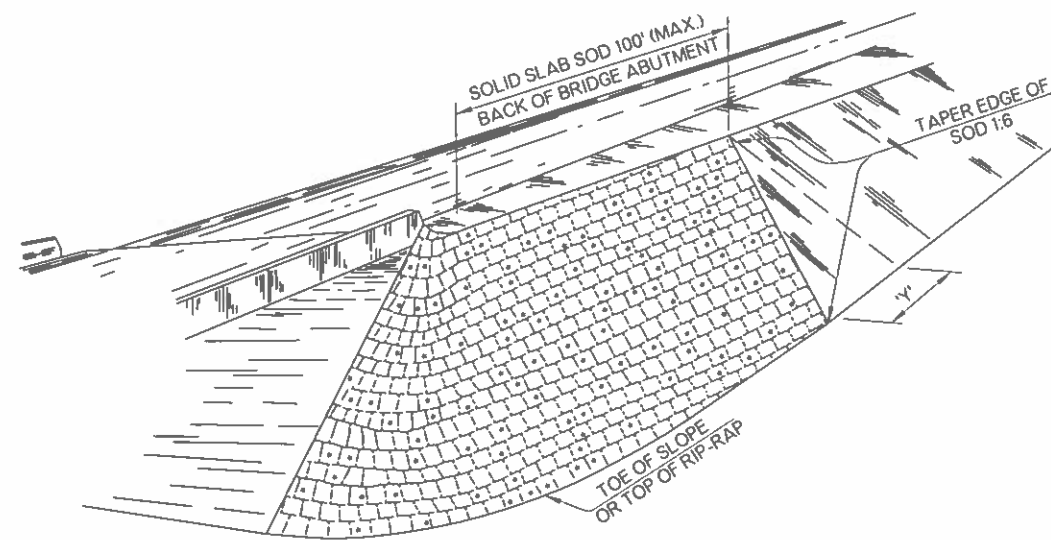
CONCRETE WASHOUT APPLICATIONS



2019 SPECIFICATIONS

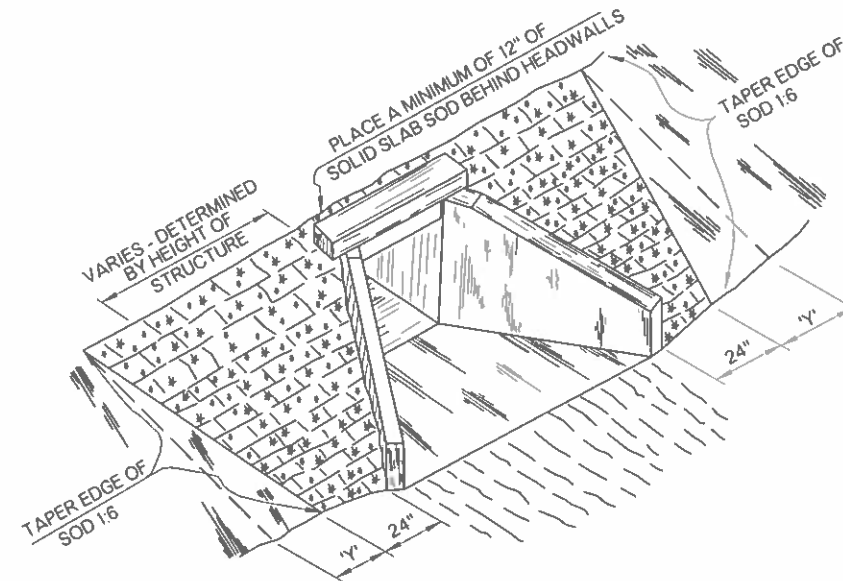
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R-13

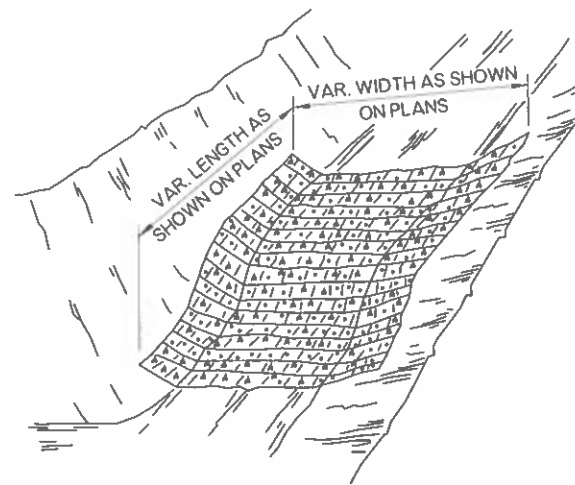


TAPER NOTE
'Y' DIMENSION =
SLOPE LENGTH x 0.17

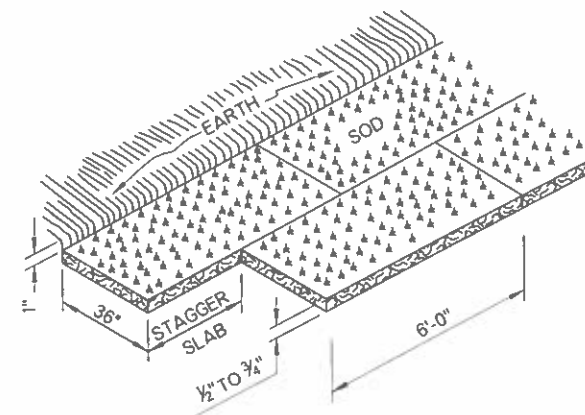
TYPICAL PLACEMENT OF SOLID SLAB SODDING OR APPROVED STABILIZING MAT ON FILL SLOPES, APPROACHES TO OVERPASSES AND BRIDGES



TYPICAL PLACEMENT OF SOLID SLAB SODDING AT STRUCTURE HEADWALLS



TYPICAL PLACEMENT OF SOLID SLAB SODDING IN DITCHES



SOLID SLAB SODDING
(MARCH 1 THRU AUGUST 31)

THE PLACEMENT OF SOLID SLAB SOD SHALL BE RESTRICTED TO THE PERIOD FROM MARCH 1 THRU AUGUST 31, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. SOLID SLAB SOD SHALL BE PLACED IN HORIZONTAL ROWS WITH THE LONGEST SIDE OF EACH SLAB RUNNING PARALLEL TO THE ROADWAY, AND THE SLABS IN ALTERNATE ROWS STAGGERED HALF THE LENGTH OF EACH INDIVIDUAL SLAB. ENSURE THE ROWS RUN PARALLEL TO THE ROADWAY.
3. SLABS SHALL BE CUT AND HARVESTED WITH A COMMERCIAL SOD CUTTER TO THE DIMENSIONS SHOWN, THEN LOADED, TRANSPORTED AND HANDLED ON PALLETS.
4. AFTER PLACEMENT OF SOLID SLAB SOD, EARTH AT THE OUTER EDGES OF THE PLACEMENT SHALL BE BACKFILLED AND LOOSELY COMPACTED TO AT LEAST 1 INCH ABOVE THE TOP OF THE SOLID SLAB SODDING.
5. WATER THE SOD IMMEDIATELY AFTER INSTALLATION, TO AN APPROPRIATE DEPTH SO AS TO ENCOURAGE HEALTHY GROWTH. SOD SHALL BE ESTABLISHED BEFORE BEING MOWED.
6. ON SLOPES STEEPER THAN ONE UNIT VERTICAL TO 4 UNITS HORIZONTAL (1:4), STAKE THE SOD WITH STAKES SPACED AS THE SOIL NATURE AND SLOPE STEEPNESS DICTATE, 24 INCHES APART ALONG THE LENGTH OF THE SOD STRIP. MAXIMUM SLOPE OF USING STAKED SOD IS 1:3; STEEPER SLOPES WILL REQUIRE AN APPROVED STABILIZING MAT. AFTER INSTALLING, STAKES SHOULD HOLD THE SOD FIRMLY IN PLACE AND PRESENT NO DANGER TO PEDESTRIANS OR MOWING CREWS. STAKES CAN BE MADE OF SOUND WOOD APPROXIMATELY 1 INCH SQUARE OR 1 INCH IN DIAMETER AND AT LEAST 6 INCHES LONG, OR METAL STAPLES IN PLACE OF WOODEN STAKES.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
230(A)	SOLID SLAB SODDING	SY

APPROVED BY ROADWAY ENGINEER: *R. G. W. S.* DATE 6/24/22
ROADWAY DESIGN DIVISION STANDARD

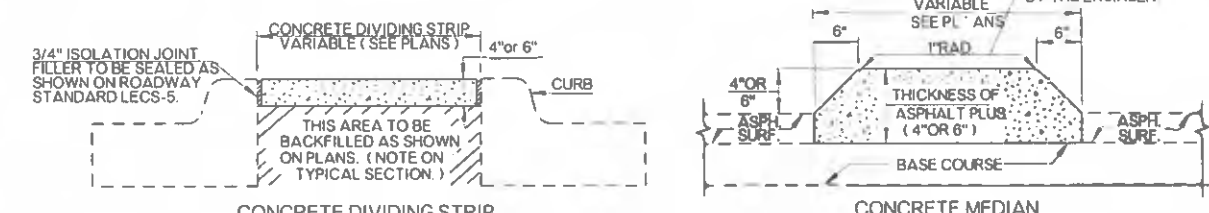
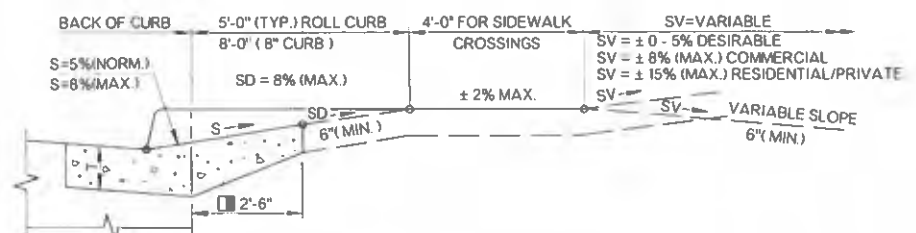
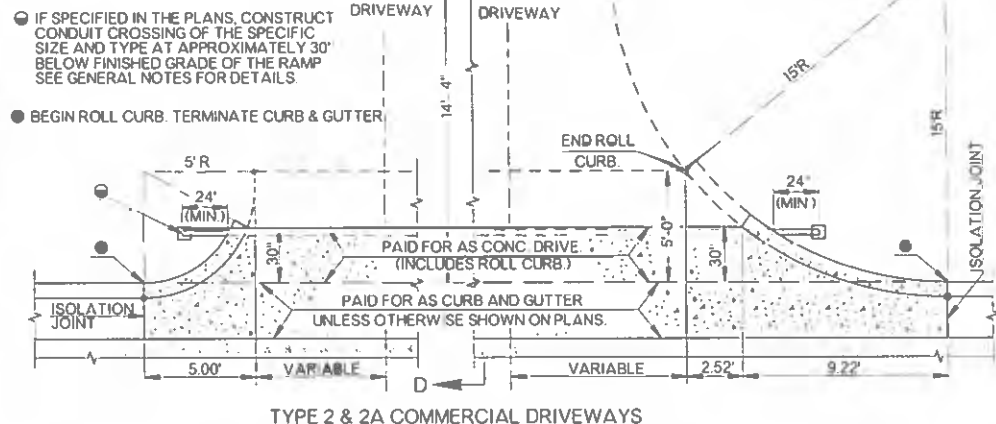
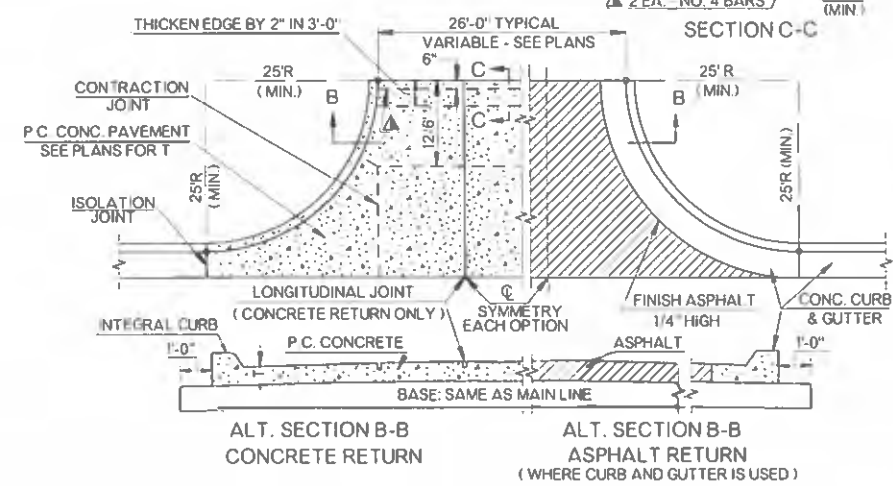
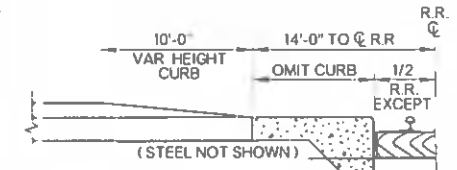
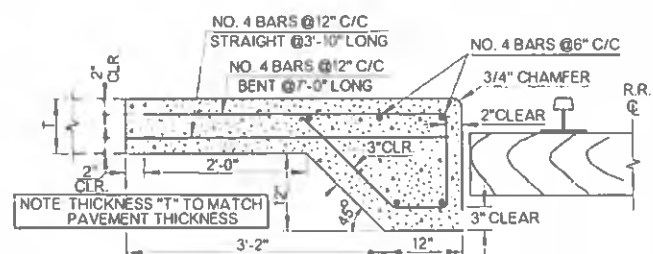
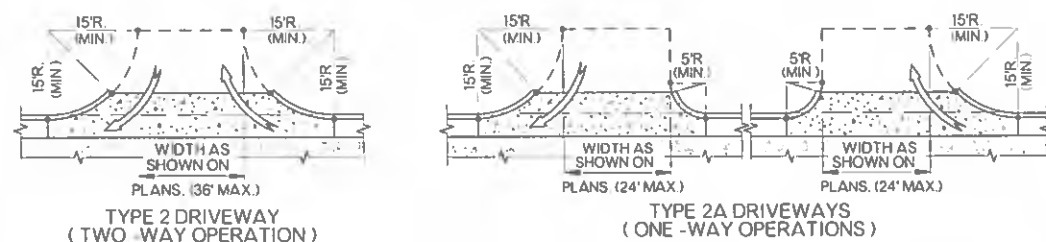
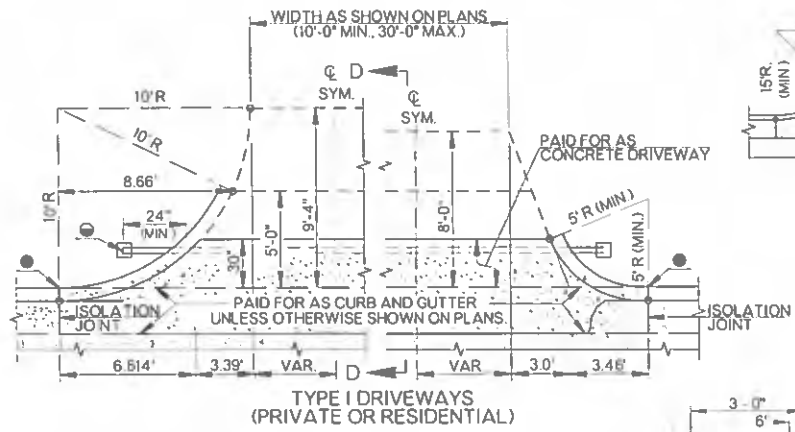


SOLID SLAB SODDING

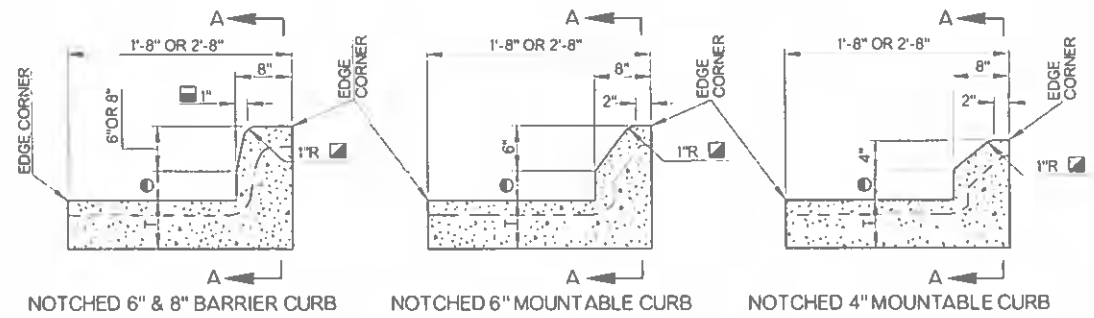
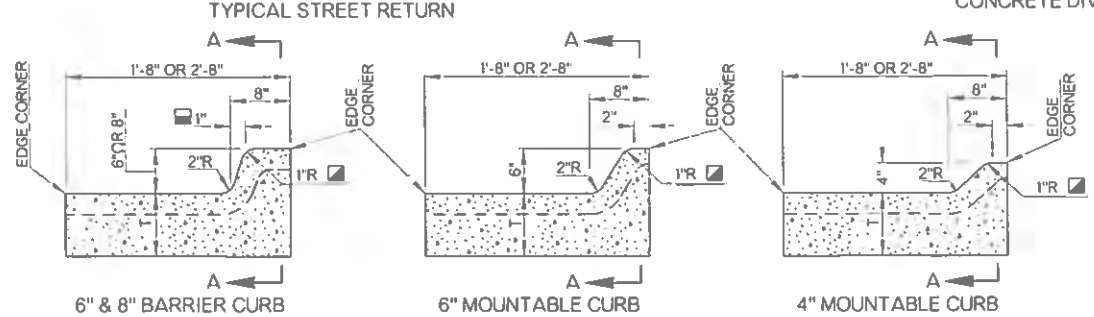
2019 SPECIFICATIONS

SSS-2 1

R-14



- GENERAL NOTES**
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
 - COST OF JOINT FILLERS, SEALING AND REINFORCING STEEL SHALL BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.
 - TRANSVERSE ISOLATION JOINTS FOR CONCRETE DIVIDING STRIP AND CONCRETE MEDIAN (MOUNTABLE CURB TYPE) TO BE 1/2" ISOLATION JOINT FILLER AT 50' C/C. 1/4" ISOLATION JOINT MATERIAL AT 1/3 POINTS BETWEEN 1/2" ISOLATION JOINTS. FILLER MATERIAL TO BE PREMOLED AND JOINTS TO BE SEALED AS SHOWN ON ROADWAY STANDARD LECS-5.
 - COMBINED CURB & GUTTER SHALL HAVE 3/4" ISOLATION JOINTS AT DRAINAGE STRUCTURES, STREET CURB RETURNS AND AT THOSE LOCATIONS SHOWN ON THE PLANS. BUTT OR SAWED JOINTS SHALL BE SPACED AT 20'-0" CENTERS MAX. JOINT FILLER IN THE CURBS SHALL EXTEND TO WITHIN 2" OF THE FACE & TOP OF CURB. ALL JOINTS SHALL BE SEALED AS SHOWN ON ROADWAY STANDARD LECS-5.
 - ALL CONDUIT CROSSINGS ARE TO BE TRENCHED, PLACED, BACKFILLED AND COMPACTED PRIOR TO SURFACING. BORING OR PUSHING PROCEDURES MAY BE USED WHERE SURFACING IS ALREADY IN PLACE AND IF APPROVED BY THE ENGINEER.
 - IF CONDUIT IS NOT CONTINUOUS BETWEEN DRIVEWAYS OR RAMP, CAP BOTH ENDS OF EACH CONDUIT CROSSING AND PLACE MARKER TO PREVENT DAMAGE DURING CONSTRUCTION.
 - CONDUIT SHALL NOT TERMINATE BELOW A SURFACED AREA, BUT SHALL EXTEND A MINIMUM OF 2'-0" PAST EDGE OF PAVING.
 - FOR PULL BOX INSTALLATION DETAILS, SEE TRAFFIC STANDARD PBD11 (PULL BOX DETAILS).

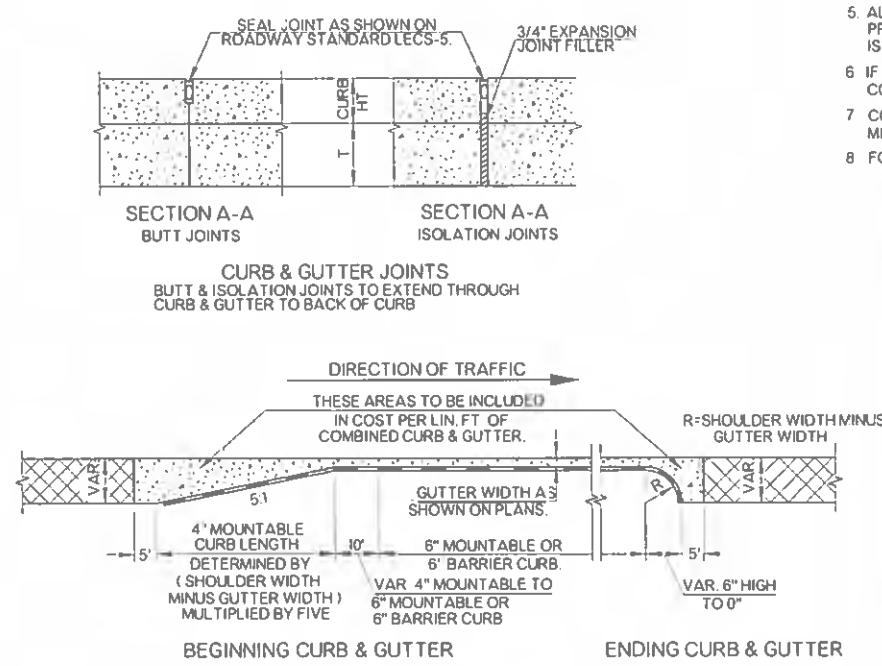


NOTE: T DIMENSION EQUALS THE THICKNESS SHOWN ON TYPICAL SECTION. (MIN. = 6")

● DIMENSION EQUALS THE THICKNESS ASPHALT CONC SHOWN ON TYPICAL SECTION. (MIN. = 2", MAX. = 4")

■ RADIUS OF 2" MAY BE USED IF APPROVED BY THE ENGINEER.

■ BATTER OF 2" MAY BE USED IF APPROVED BY THE ENGINEER.



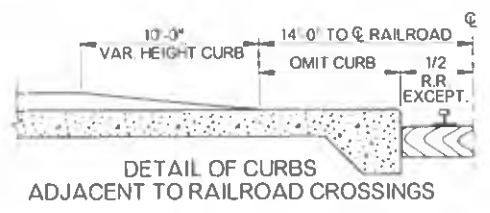
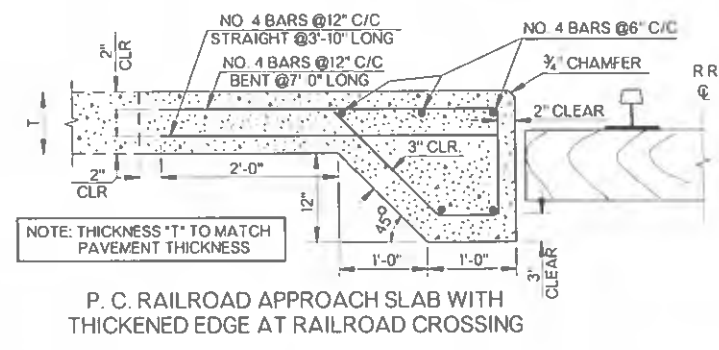
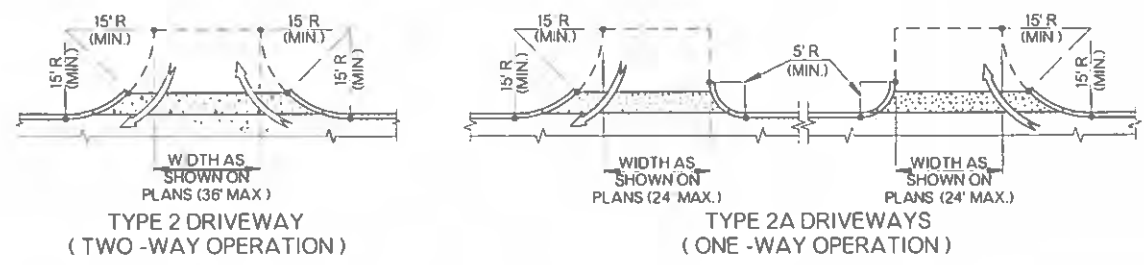
BASIS OF PAYMENT

ITEM NO	ITEM	UNIT
414 (H)	P.C. RAILROAD APPROACH SLABS	SY
509 (B)	CLASS A CONCRETE	CY
609 (B)	COMBINED CURB & GUTTER (▲)	LF
610 (B)	CONCRETE DRIVEWAY	SY
610 (C)	CONCRETE DIVIDING STRIP	SY
610 (H)	ASPHALT DIVIDING STRIP	SY

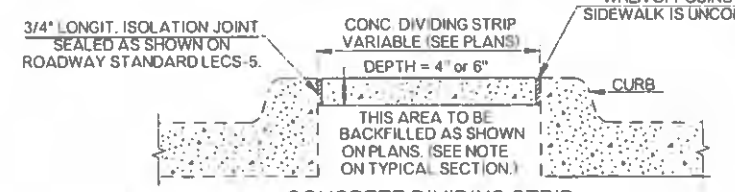
- WIDTH OF CURB & GUTTER WILL BE SPECIFIED.
- ▲ HEIGHT & TYPE OF CURB SHALL BE SPECIFIED.
- ▼ THICKNESS WILL BE SPECIFIED.

APPROVED BY ROADWAY ENGINEER *[Signature]* DATE: 6/30/22

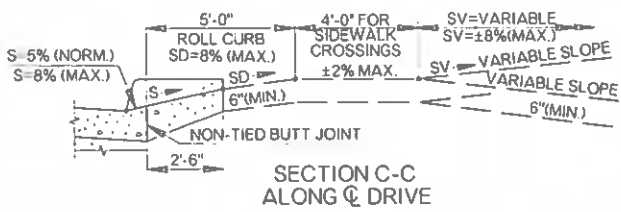
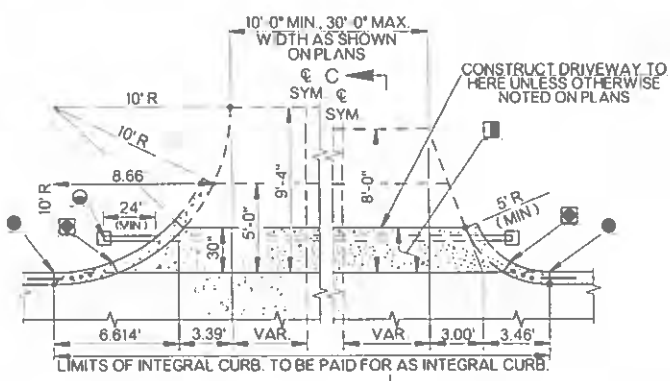
ROADWAY DESIGN DIVISION STANDARD



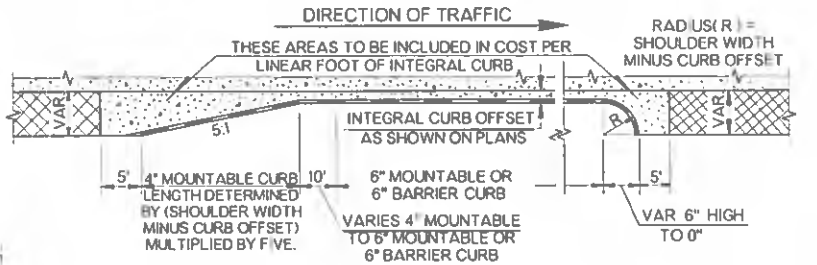
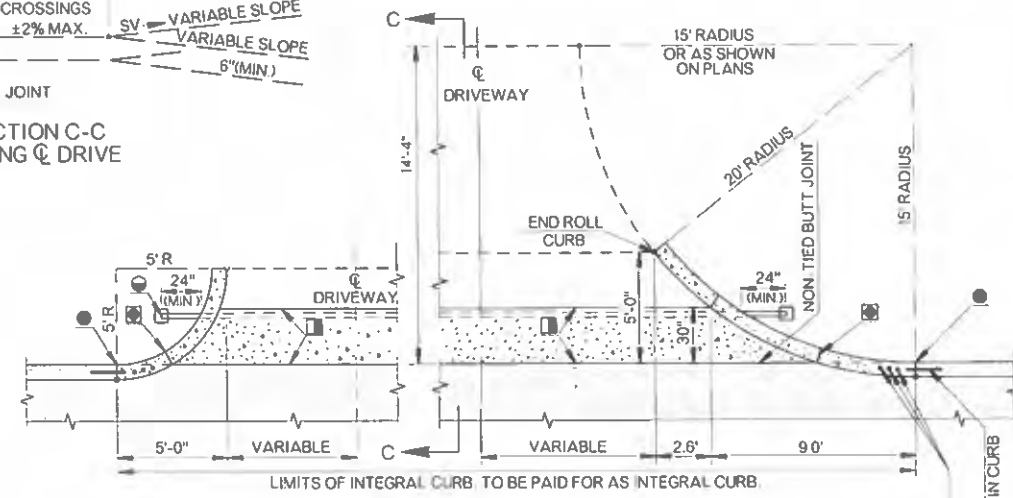
IN CURB/SIDEWALK APPLICATIONS SEALANT AND EXPANSION MATERIAL NOT REQUIRED BETWEEN STRAIGHT SECTIONS OF CURB/SIDEWALK COMBINATIONS WHEN OPPOSING EDGE OF SIDEWALK IS UNCONSTRAINED



TRANSVERSE EXPANSION JOINTS TO BE 1/2" WIDE. EXPANSION JOINT FILLER AT 50'-0" C/C. AND 1/4" EXPANSION JOINT MATERIAL AT 1/3 POINTS BETWEEN EXPANSION JOINTS. FILLER MATERIAL TO BE PREMOLDED AND JOINTS TO BE SEALED AS SHOWN ON STANDARD DRAWING LECS-5. JOINTS IN DIVIDING STRIP SHOULD ALIGN WITH CURB EXPANSION JOINTS.



FOR STREET RETURN DETAILS SEE ROADWAY STD. ASCD-6.



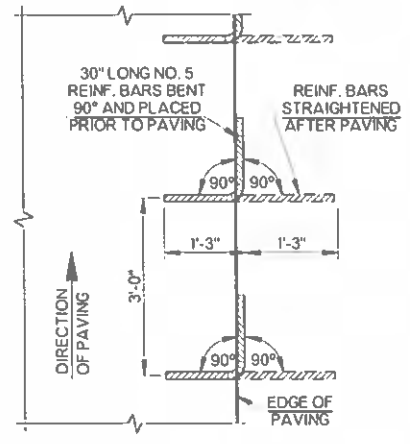
GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- ALL COST OF CLASS A CONCRETE & REINFORCING STEEL IN THICKENED EDGE AT RAILROAD CROSSINGS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR APPROACH SLAB-RAILROAD CROSSINGS.
- COST OF JOINT FILLERS, SEALING AND REINFORCING STEEL SHALL BE INCLUDED IN PRICE BID FOR OTHER ITEMS OF WORK.
- CONTRACTION JOINTS IN JOINTED P.C. PAVEMENT SHALL BE AT APPROXIMATELY 15'-0" CENTERS, UNLESS OTHERWISE SHOWN ON THE PLANS.
- CURB & GUTTER SHALL BE PLACED INTEGRAL WITH THE PAVING SLAB UNLESS OTHERWISE SHOWN IN THE PLANS. TRANSVERSE JOINTS SHALL MATCH PAVEMENT JOINTS AND PLACED AT DRAINAGE STRUCTURES. LONGITUDINAL JOINTS SHALL BE TIED WITH #5 DEFORMED TIE BARS 2'-6" LONG AT 3'-0" CTRS. SEE TIED BUTT AND LONGITUDINAL CONSTRUCTION JOINT DETAIL ON ROADWAY STANDARD LECS-5.
- ALL CONDUIT CROSSINGS ARE TO BE TRENCHED, PLACED, BACKFILLED, AND COMPACTED PRIOR TO SURFACING. BORING OR PUSHING PROCEDURES MAY BE USED WHERE SURFACING IS ALREADY IN PLACE AND IF APPROVED BY THE ENGINEER.
- IF CONDUIT IS NOT CONTINUOUS BETWEEN DRIVEWAYS/RAMPS, CAP BOTH ENDS OF EACH CONDUIT CROSSING AND PLACE MARKER TO PREVENT DAMAGE DURING CONSTRUCTION.
- CONDUIT SHALL NOT TERMINATE BELOW A SURFACED AREA, BUT SHALL EXTEND MINIMUM OF 24" PAST EDGE OF PAVING.
- FOR PULL BOX INSTALLATION DETAILS, SEE TRAFFIC STANDARD PBD1-1.

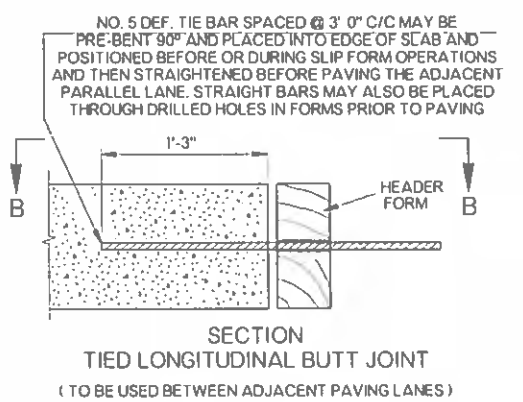
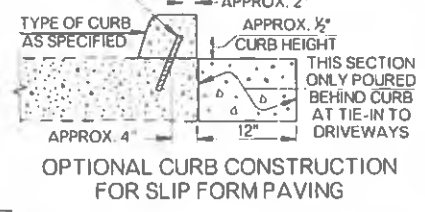
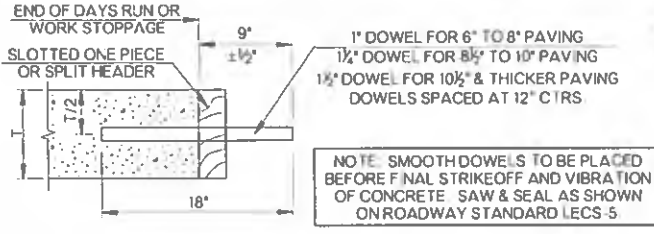
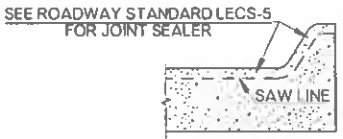
- 3/4" EXPANSION JOINT NO LOAD TRANSFER DEVICES
- PAID FOR AS CONCRETE DRIVEWAY (INCLUDES CURB)
- BEGIN ROLL CURB & TERMINATE INTEGRAL CURB. POUR APRON & CURB INTEGRAL WITH DRIVEWAY
- IF SPECIFIED IN THE PLANS, CONSTRUCT CONDUIT CROSSING OF THE SAME SIZE AND TYPE SPECIFIED AT APPROXIMATELY 30" BELOW FINISHED GRADE OF RAMP. SEE GENERAL NOTES FOR DETAILS.

TYPE 2 & 2A COMMERCIAL DRIVEWAYS

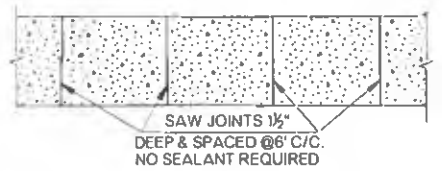
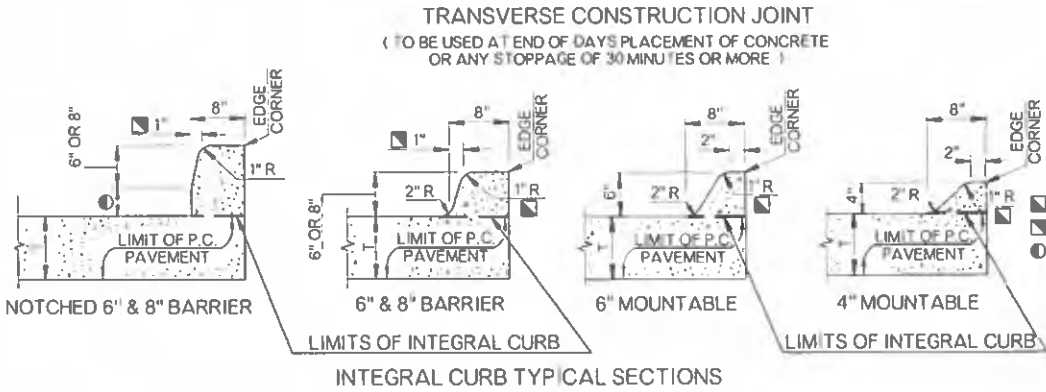
- 3/4" EXPANSION JOINT NO LOAD TRANSFER DEVICES
 - PAID FOR AS CONCRETE DRIVEWAY (INCLUDES CURB)
 - BEGIN ROLL CURB & TERMINATE INTEGRAL CURB. POUR APRON & CURB INTEGRAL WITH DRIVEWAY
 - IF SPECIFIED IN THE PLANS, CONSTRUCT CONDUIT CROSSING OF THE SAME SIZE & TYPE SPECIFIED AT APPROXIMATELY 30" BELOW FINISHED GRADE OF RAMP. SEE GENERAL NOTES FOR DETAILS.
- NOTE: WHEN SIDEWALK IS BUILT DIRECTLY BEHIND THE CURB, THE CONCRETE DRIVEWAY SHOULD BE CONSTRUCTED AND EXTENDED TO THE BACK EDGE OF SIDEWALK.



CURB JOINT WITH EXPANSION MATERIAL



ALTERNATE CURB JOINT



PLAN DETAIL OF CONCRETE SIDEWALK

- RADIUS OF 2" MAY BE USED IF APPROVED BY THE ENGINEER
- BATTER OF 2" MAY BE USED IF APPROVED BY THE ENGINEER
- DIMENSION EQUALS THICKNESS OF ASPHALT CONCRETE SHOWN ON TYPICAL SECTION ASPHALT CONCRETE THICKNESS (2" MIN.; 4" MAX.)

P.C. CONCRETE FOR PAVEMENT SHALL BE PAID FOR TO THE DARK DASHED LINE AS INDICATED. AREA ABOVE DASHED LINE SHALL BE PAID AS CONCRETE INTEGRAL CURB.

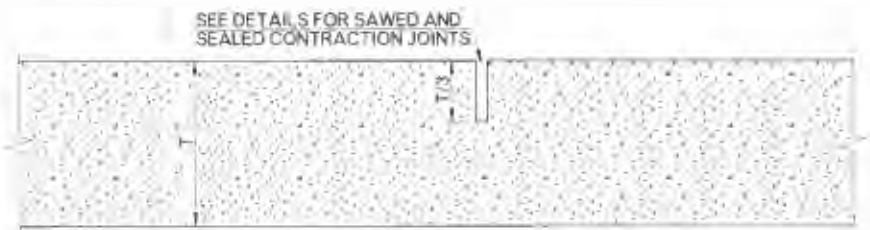
BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
414 (G)	P. C. CONCRETE FOR PAVEMENT	CY
414 (H)	P. C. RAILROAD APPROACH SLABS	SY
609 (A)	CONCRETE CURB (INTEGRAL)	LF
610 (A)	CONCRETE SIDEWALK	SY
610 (B)	CONCRETE DRIVEWAY	SY
610 (C)	CONCRETE DIVIDING STRIP	SY

APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE 6/30/22
ROADWAY DESIGN DIVISION STANDARD

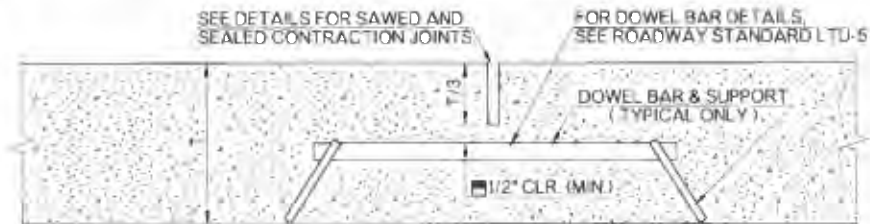


CONCRETE SURFACING CONSTRUCTION DETAILS

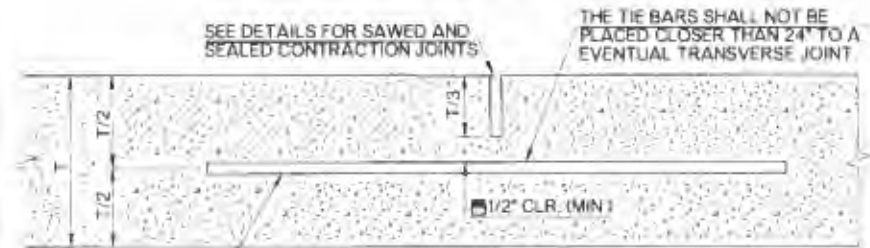
2019 SPECIFICATIONS



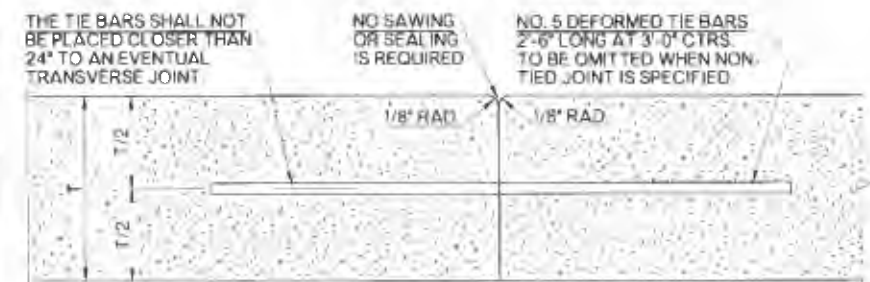
NON-DOWELED CONTRACTION JOINT



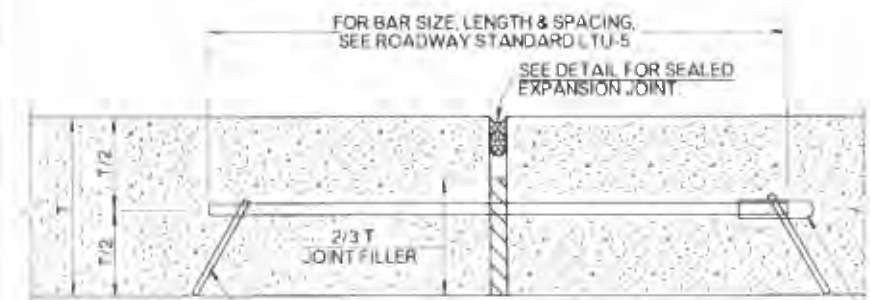
DOWELED CONTRACTION JOINT



LONGITUDINAL JOINT

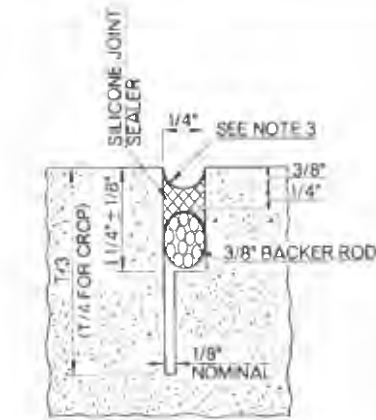


TIED BUTT JOINT AND LONGITUDINAL CONSTRUCTION JOINT

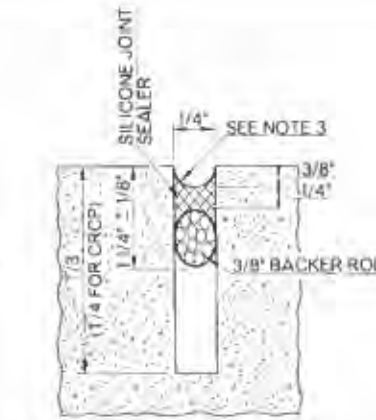


EXPANSION JOINT / ISOLATION JOINT

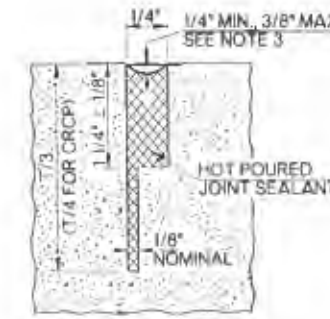
OMIT DOWEL BARS, CAPS & SUPPORTS FOR ISOLATION JOINTS



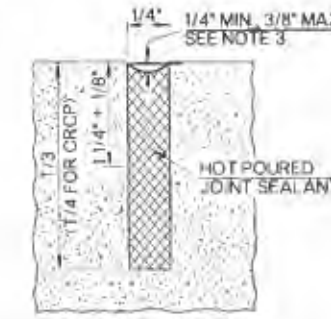
SILICONE SEALANT OPTION



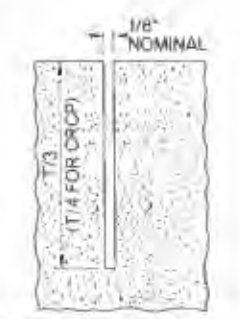
SILICONE SEALANT OPTION



HOT POUR OPTION



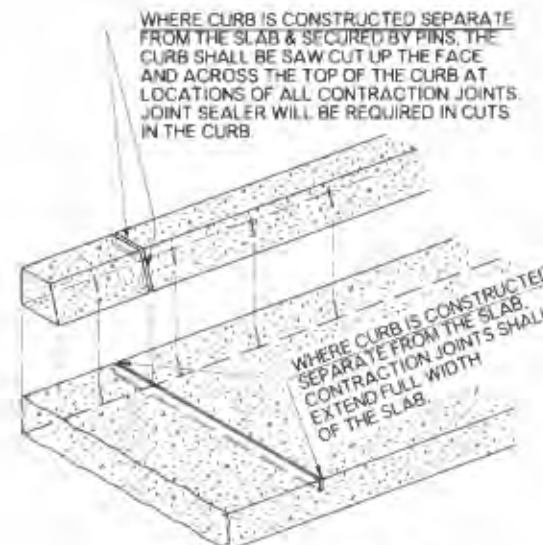
HOT POUR OPTION



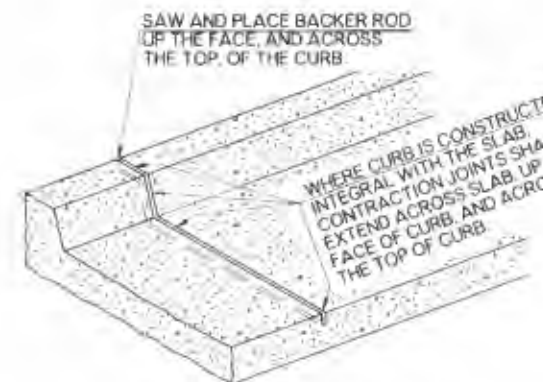
NO SEALANT OPTION

SAWED AND SEALED CONTRACTION AND LONGITUDINAL JOINTS ALTERNATE DETAILS

UNLESS OTHERWISE SPECIFIED IN THE PLANS, ONLY THE SILICONE SEALANT OPTIONS WILL BE ALLOWED



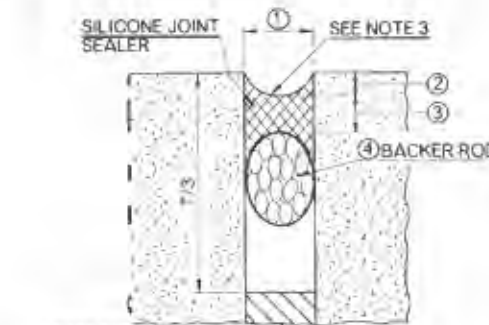
CONTRACTION JOINT WITH SEPARATE CURB



CONTRACTION JOINT WITH INTEGRAL CURB



JOINT REHABILITATION DETAILS



EXPANSION JOINTS / ISOLATION JOINTS

HOT POURED JOINT SEALANT MAY BE USED IN LIEU OF BACKER ROD AND SILICONE SEALANT, IF APPROVED BY THE ENGINEER

JOINT WIDTH ①	SEALANT RECESS DEPTH ②	SILICONE SEALANT THICKNESS ③	BACKER ROD DIAMETER ④
1/2"	3/8"	1/4"	5/8"
3/4"	3/8"	3/8"	7/8"
1"	3/8"	1/2"	1 1/4"
1 1/2"	1/2"	3/4"	2"
2"	1/2"	3/4"	2 1/2"

EXPANSION OR ISOLATION JOINT WIDTH SHALL BE 1/2", UNLESS OTHERWISE SPECIFIED ON THE PLANS. TABLE VALUES, AS SHOWN THIS TABLE, SHALL BE USED IN THOSE SPECIFIED CASES

JOINT REHABILITATION TREATMENT TABLE

SILICONE SEALANT				
JOINT WIDTH ①	DEPTH OF CUT ②	SEALANT RECESS DEPTH ③	SEALANT THICKNESS ④	BACKER ROD DIAMETER ⑤
3/8"	1 1/4"	3/8"	3/16"	1/2"
1/2"	1 3/4"	3/8"	1/4"	5/8"
3/4"	1 3/4"	3/8"	3/8"	7/8"
7/8"	1 3/4"	1/2"	7/16"	1"
1"	2"	1/2"	1/2"	1 1/8"
OVER 1"	OVER 2"	1/2"	1/2"	1 1/4"

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
- ALL CONCRETE JOINT SEALING SHALL BE IN ACCORDANCE WITH SECTION 415 OF THE SPECIFICATIONS
- THE SHAPE FACTOR, COMBINED WITH THE JOINT CLEANLINESS, IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. THE JOINT SHAPE FACTOR IS DEFINED AS THE FINAL PRESSED SHAPE OF THE SILICONE MATERIAL. THE TOOLING OPERATION WILL FIRMLY PRESS THE FRESHLY APPLIED MATERIAL INTIMATELY AGAINST THE CUT SIDES OF THE RECESS AND THE BACKER ROD SURFACES. THE ROUNDED SHAPE ON TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERENCE TO THE PAVING. SELF-LEVELING SEALANTS WILL BE INSTALLED TO BE FLUSH WITH THE PAVEMENT SURFACE
- ON JOINTED PORTLAND CEMENT CONCRETE PAVEMENTS, DOWELED CONTRACTION JOINTS SHALL BE USED ON DRIVING LANES ONLY. CONCRETE SHOULDERS SHALL NOT BE DOWELED UNLESS SPECIFIED ON THE PLANS
- LONGITUDINAL JOINTS BETWEEN PAVEMENT AND TIED CONCRETE SHOULDERS SHALL NOT BE SAWED OR SEALED UNLESS OTHERWISE SHOWN ON THE PLANS
- ON ALL SAWED JOINTS, THE KERF DEPTH SHALL CLEAR DOWEL BARS, TIE BARS AND/OR REINFORCING STEEL BY A MINIMUM OF 1/2"
- CONTRACTION JOINTS IN JOINTED P. C. PAVEMENT SHALL BE AT APPROXIMATELY 15'-0" CENTERS, UNLESS OTHERWISE SPECIFIED ON THE PLANS
- LONGITUDINALLY TIME THE PAVEMENT UNLESS OTHERWISE SPECIFIED, OR AS DIRECTED BY THE ENGINEER. CONSTRUCT LONGITUDINAL GROOVING TO THE FOLLOWING DIMENSIONS: 1/2" TO 3/8" WIDE, 1/2" TO 3/8" DEEP, AND EQUALLY SPACED AT 1/2" TO 1" APART. ENSURE GROOVES ARE NEAT IN APPEARANCE AND OF UNIFORM DEPTH. ALTERNATIVELY, IF TRANSVERSE GROOVING IS APPROVED BY THE RESIDENT ENGINEER, CONSTRUCT TRANSVERSE GROOVING TO THE FOLLOWING DIMENSIONS: 1/2" TO 3/8" WIDE, 1/2" TO 3/8" DEEP, AND EQUALLY SPACED AT 1/2" TO 1" APART
- CONCRETE PAVEMENTS (SUCH AS DETOURS AND CROSSOVERS) THAT ARE INTENDED TO BE REMOVED BY THE END OF THE PROJECT SHALL NOT BE SEALED

APPROVED BY ROADWAY ENGINEER *[Signature]* DATE 6/30/22

ROADWAY DESIGN DIVISION STANDARD

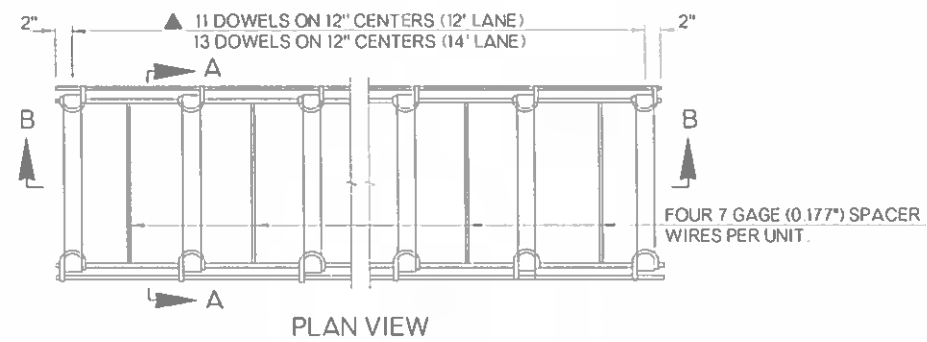


JOINTS AND SEALERS - LONGITUDINAL, EXPANSION / ISOLATION, & CONTRACTION

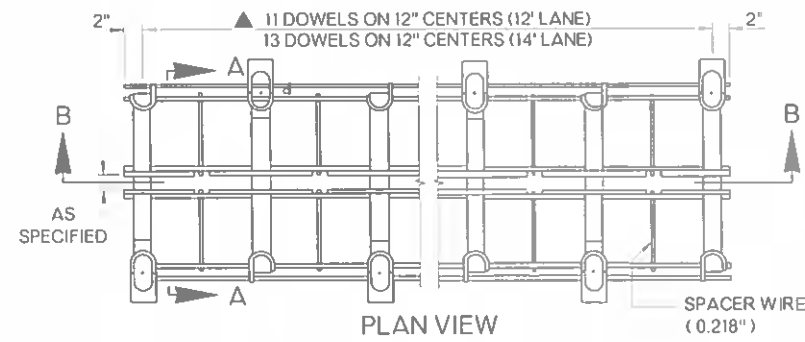
2019 SPECIFICATIONS

LECS-5 2

R-17



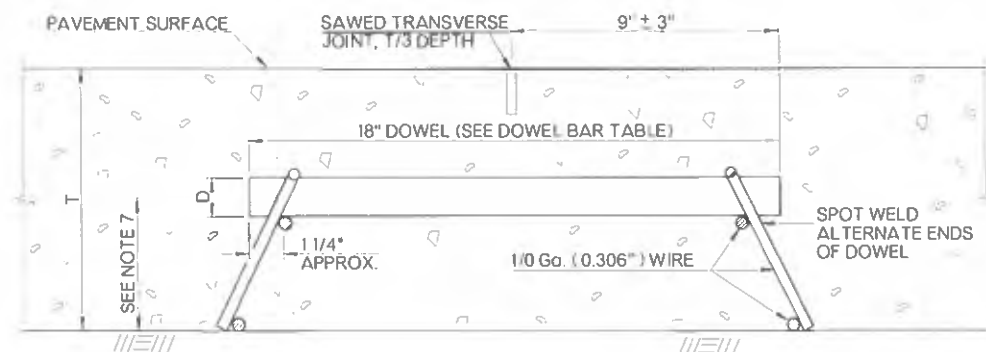
PLAN VIEW



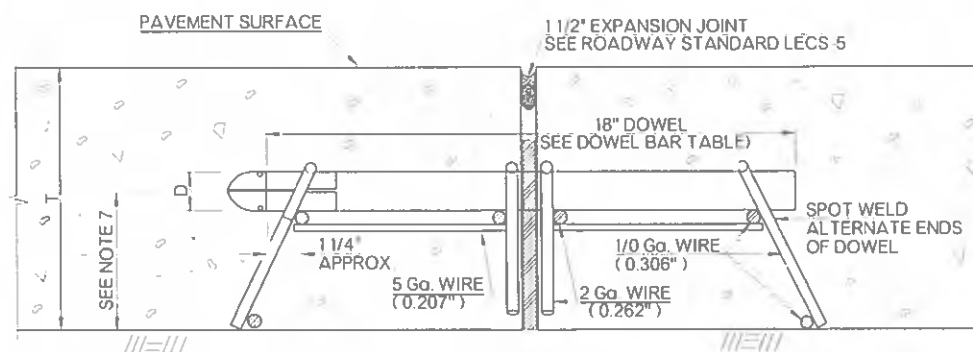
PLAN VIEW

DOWEL BAR TABLE			
▲ SPACING & SIZE DATA			
(T) SLAB DEPTH	DOWEL DIA	TOTAL DOWEL LENGTH	C/C DOWEL SPACING
6" - 8"	1"	18"	12"
8 1/2" - 10"	1 1/4"	18"	12"
10 1/2" & UP	1 1/2"	18"	12"

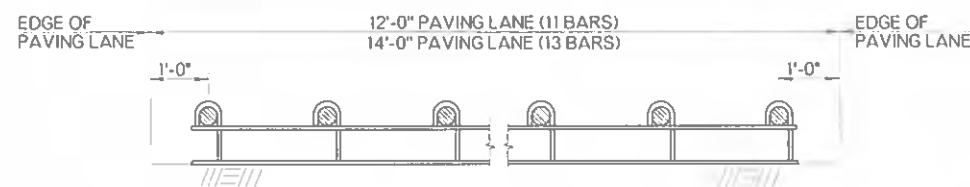
DOWEL DIAMETER WILL BE DETERMINED BY THE SLAB DEPTH (T) OR THE NOMINAL DEPTH WHEN SLAB DEPTH VARIES. WHEN NOMINAL DEPTH VALUE IS TO BE USED THE CALCULATED NOMINAL DEPTH WILL BE SHOWN ON THE PLANS.



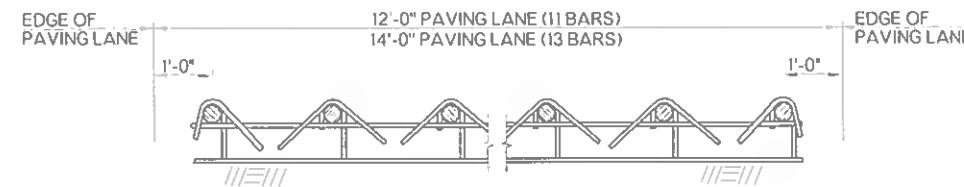
SECTION A - A



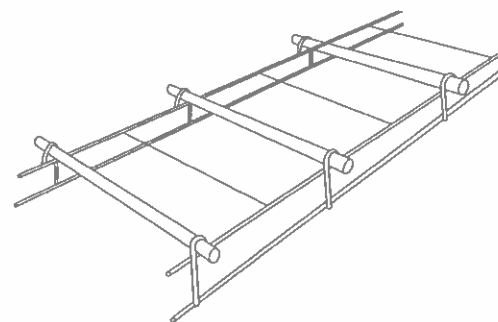
SECTION A - A



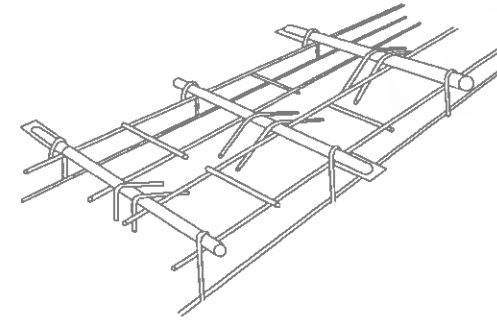
SECTION B - B



SECTION B - B



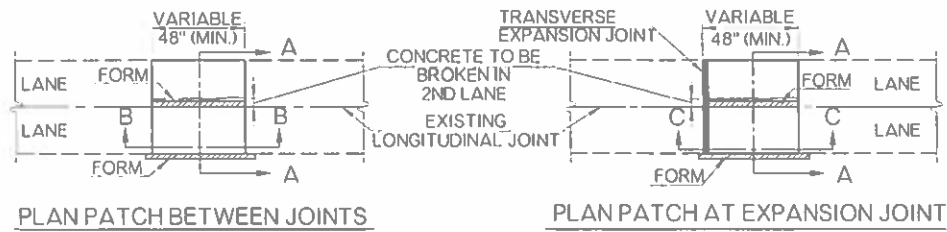
WELDED CONTRACTION JOINT ASSEMBLY



WELDED EXPANSION JOINT ASSEMBLY

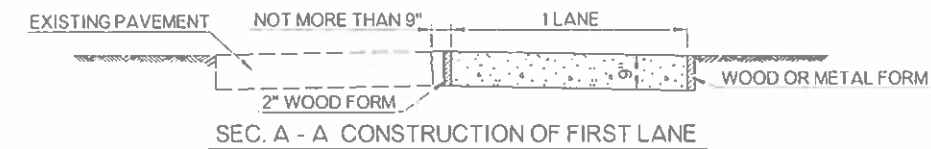
- ### GENERAL NOTES
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
 - ANY DEVICE USED FOR SUPPORTING DOWELS SHALL HAVE SUFFICIENT RIGIDITY AND BE HELD IN PLACE DURING CONCRETE PLACEMENT SO THAT DOWELS WILL BE IN SPECIFIED POSITION IN THE FINISHED PAVEMENT. ANY DEVICE NOT PRODUCING THE SPECIFIED RESULTS SHALL BE REJECTED.
 - PRODUCER AND CONTRACTOR SHALL AVOID PATENT INFRINGEMENT OF THE BASKET AND SHALL SAVE THE STATE HARMLESS IN THE USE OF ANY BASKET.
 - THE CONTRACTOR MAY SELECT THE TYPE OF BASKET TO BE USED. AFTER THE SELECTION IS MADE, THE SAME TYPE BASKET SHALL BE USED THROUGHOUT THE PROJECT, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
 - COLD-DRAWN STEEL WIRE, USED FOR DOWEL BASKETS, SHALL BE ACCEPTED BY VISUAL FIELD INSPECTION, AS PROVIDING SUFFICIENT DOWEL BAR SUPPORT DURING PAVING PROCESS.
 - DOWEL BARS SHALL BE GRADE 60 PLAIN BARS, IN ACCORDANCE WITH SECTION 723.01 OF THE SPECIFICATIONS. DOWEL BARS SHALL BE CENTERED ON THE BASKET REGARDLESS OF THE WIDTH OF THE BASKET OR THE LENGTH OF THE DOWEL BAR.
 - THE HEIGHT OF THE LOAD TRANSFER UNIT (MEASURED TO THE CENTER OF THE DOWEL BAR FROM THE PAVEMENT SURFACE) SHALL BE 1/2 THE THICKNESS OF THE PAVEMENT, PLUS OR MINUS 1/2 THE DIAMETER OF DOWEL BAR OF THE UNIT.
 - DOWEL BARS SHALL HAVE A SHOP APPLIED EPOXY COATING OVER THEIR ENTIRE LENGTH (ENDS EXCEPTED). ADDITIONALLY, DOWELS SHALL BE COMPLETELY COATED WITH A FORM RELEASE AGENT (OR APPROVED EQUIVALENT BOND BREAKER) APPLIED IN THE FIELD, IMMEDIATELY PRIOR TO PAVING. THE FORM RELEASE AGENT SHALL NOT BE ALLOWED TO EVAPORATE FROM THE BARS PRIOR TO PAVING.
 - FOR EXPANSION JOINTS, THE DOWEL BARS SHALL HAVE EXPANSION CAPS WITH A MINIMUM 1" AND A MAXIMUM 2" AIR SPACE IN THE END OF THE EXPANSION CAPS (EXPANSION JOINT ASSEMBLIES).
 - THE CONTRACTOR SHALL DEMONSTRATE TO THE ENGINEER A STAKING PATTERN THAT SHALL SECURE ALL DOWEL BASKETS SUCH THAT THE FINAL DOWEL POSITION IS WITHIN SPECIFICATION LIMITS.
 - FOR EXPANSION JOINTS, IN ADDITION TO THE SUPPORTS INDICATED, THE CONTRACTOR SHALL PROVIDE SUITABLE INSTALLING DEVICES AND SUCH ADDITIONAL STAKES AS MAY BE REQUIRED TO HOLD THE JOINT FILLER VERTICAL AND SECURELY IN LINE AND POSITION. THE CONTRACTOR WILL ALSO BE REQUIRED TO SATISFACTORILY FORM THE UPPER PORTION OF THE JOINT FOR RECEIVING THE SEAL. SEE ROADWAY STANDARD LECS-5.

APPROVED BY ROADWAY ENGINEER *[Signature]* DATE: 6/30/22
ROADWAY DESIGN DIVISION STANDARD

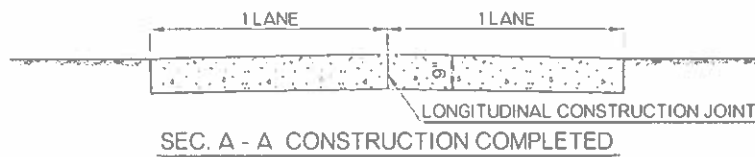


PLAN PATCH BETWEEN JOINTS

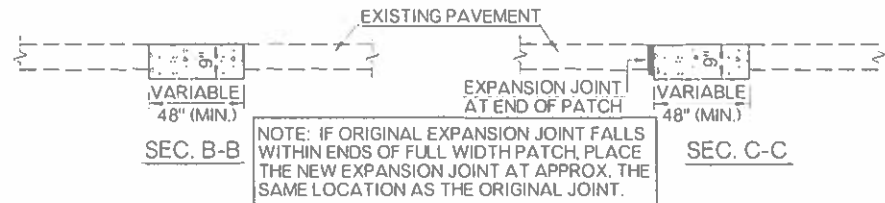
PLAN PATCH AT EXPANSION JOINT



SEC. A - A CONSTRUCTION OF FIRST LANE



SEC. A - A CONSTRUCTION COMPLETED

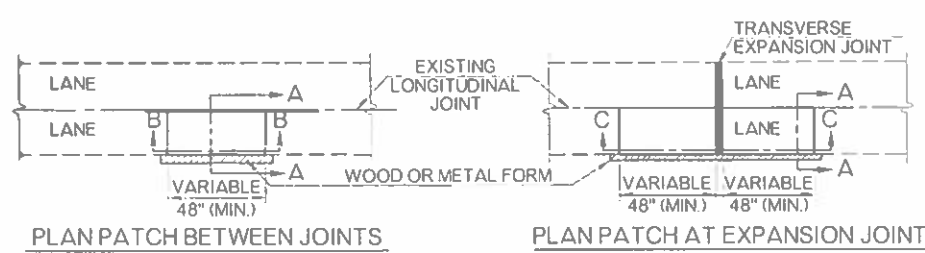


SEC. B - B

SEC. C - C

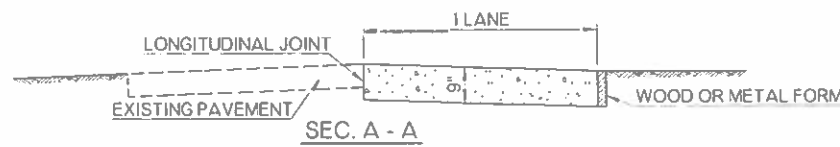
NOTE: IF ORIGINAL EXPANSION JOINT FALLS WITHIN ENDS OF FULL WIDTH PATCH, PLACE THE NEW EXPANSION JOINT AT APPROX. THE SAME LOCATION AS THE ORIGINAL JOINT.

MULTI LANE PATCH (CONSTRUCTED ONE LANE AT A TIME)

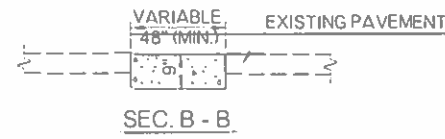


PLAN PATCH BETWEEN JOINTS

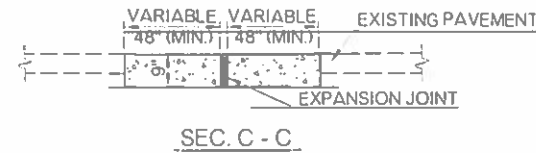
PLAN PATCH AT EXPANSION JOINT



SEC. A - A

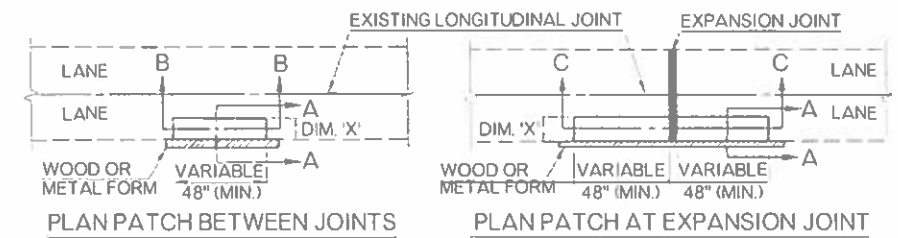


SEC. B - B



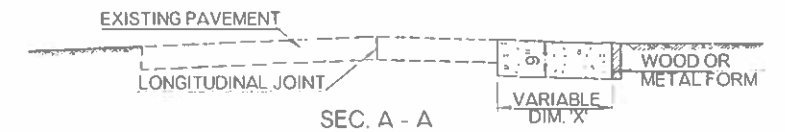
SEC. C - C

SINGLE LANE PATCH

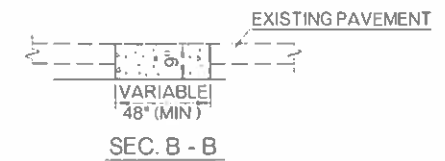


PLAN PATCH BETWEEN JOINTS

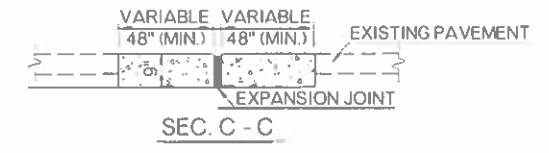
PLAN PATCH AT EXPANSION JOINT



SEC. A - A

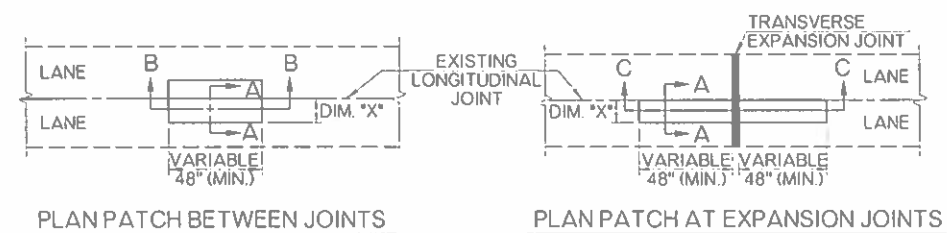


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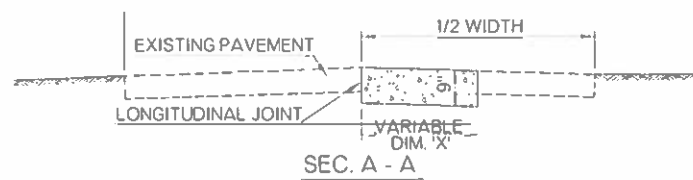
SEC. C - C

EXTERIOR EDGE PATCH

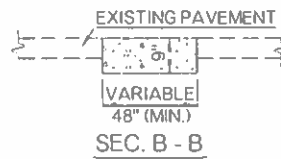


PLAN PATCH BETWEEN JOINTS

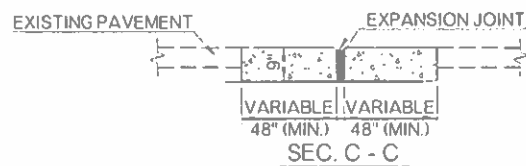
PLAN PATCH AT EXPANSION JOINTS



SEC. A - A

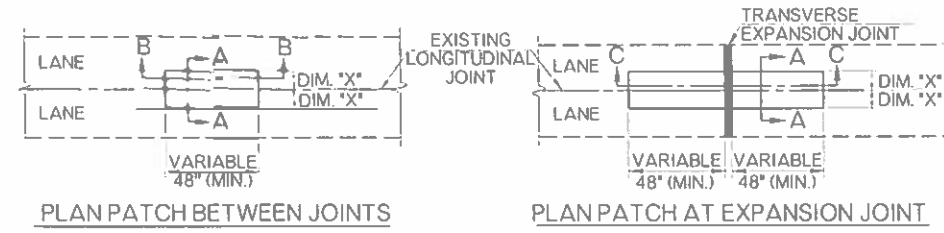


SEC. B - B



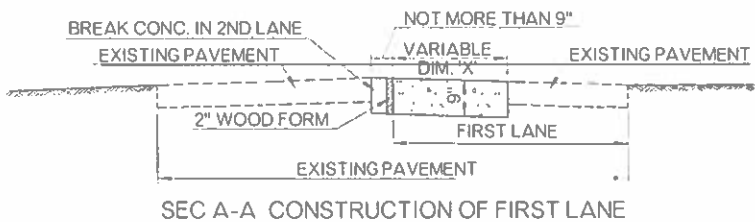
SEC. C - C

INTERIOR EDGE PATCH

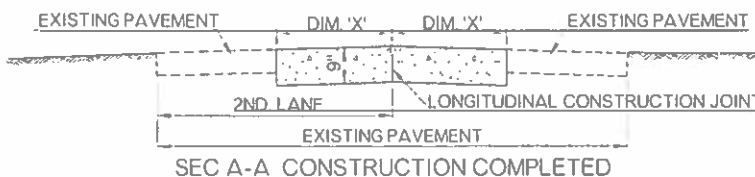


PLAN PATCH BETWEEN JOINTS

PLAN PATCH AT EXPANSION JOINT



SEC. A - A CONSTRUCTION OF FIRST LANE



SEC. A - A CONSTRUCTION COMPLETED



SEC. B - B

SEC. C - C

RECTANGULAR PLUG PATCH

- GENERAL NOTES
1. CROWN OF PATCH TO MATCH CROWN OF EXISTING PAVEMENT.
 2. EDGES OF PAVEMENT SLAB, OPEN JOINTS AND CONSTRUCTION JOINTS SHALL BE EDGED WITH AN EDGER HAVING A 1/2" RADIUS. JOINT ALONG A BROKEN EDGE OF THE EXISTING PAVEMENT SHALL NOT BE EDGED.
 3. CONCRETE FOR PATCHES SHALL BE HIGH-EARLY-STRENGTH CONCRETE PAVEMENT MADE WITH THE USE OF HIGH-EARLY-STRENGTH PORTLAND CEMENT OR 25% ADDITIONAL STANDARD PORTLAND CEMENT. TRAFFIC SHALL NOT BE ALLOWED ON THE PATCH FOR THE FIRST 24 HOURS, OR FOR LONGER WHEN DIRECTED BY THE RESIDENT ENGINEER.
 4. DIMENSION 'X' TO BE NOT LESS THAN 4 FEET, NOR SHALL IT EXCEED 5 FEET FOR 18 FOOT PAVEMENT OR EXCEED 6 FEET FOR 20 FOOT PAVEMENT. IF EITHER OF THESE LIMITS ARE EXCEEDED USE A HALF WIDTH PATCH.
 5. PAVEMENT SECTION DEPTH TO BE SHOWN ON PLANS.
 6. IN AREAS WHERE PATCHING IS REQUIRED, UNDERCUTTING AND BACK FILLING OF SUBGRADE SHALL BE DONE IN A MANNER APPROVED BY THE ENGINEER. BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 95% OF STANDARD DENSITY. COST OF UNDERCUTTING AND BACKFILLING TO BE INCLUDED IN OTHER ITEMS OF WORK.
 7. FOR DETAILS OF JOINTS AND SEALERS, SEE ROADWAY STANDARD LECS-5.

APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE: 6/30/22
ROADWAY DESIGN DIVISION STANDARD

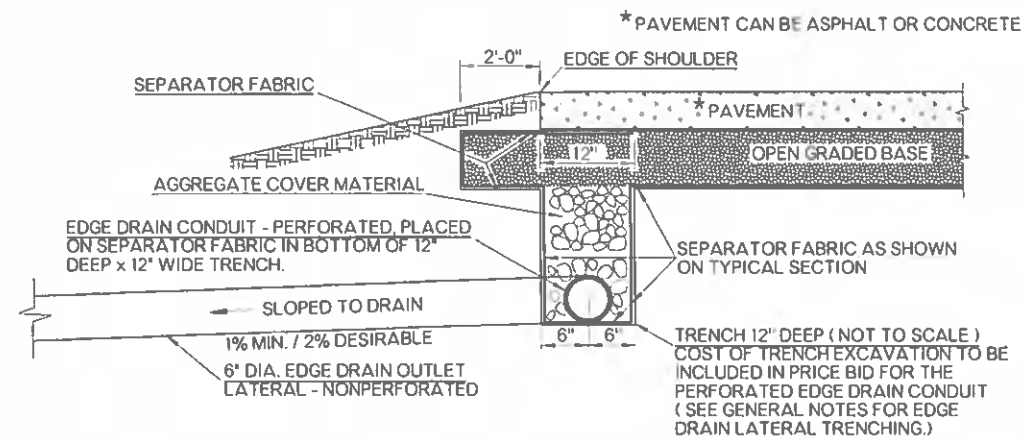


PAVEMENT RECONSTRUCTION DETAILS

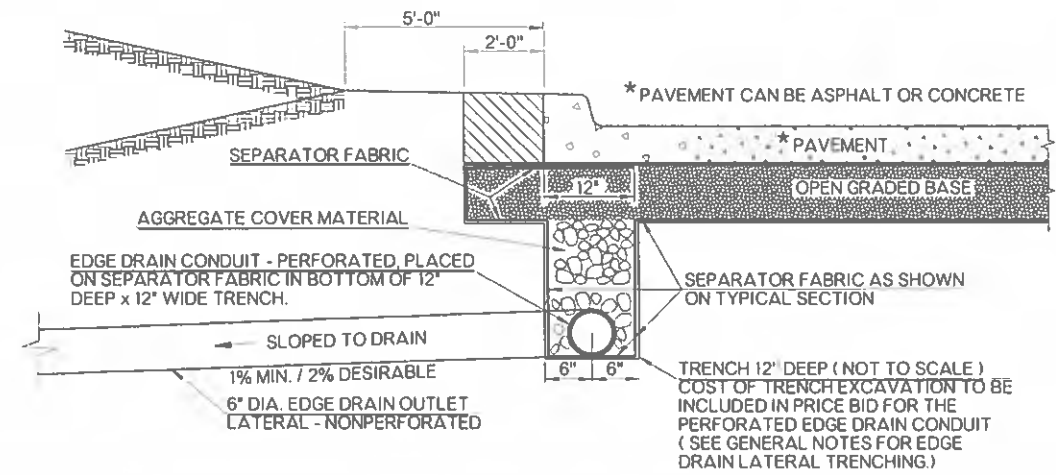
2019 SPECIFICATIONS

PR-4 1

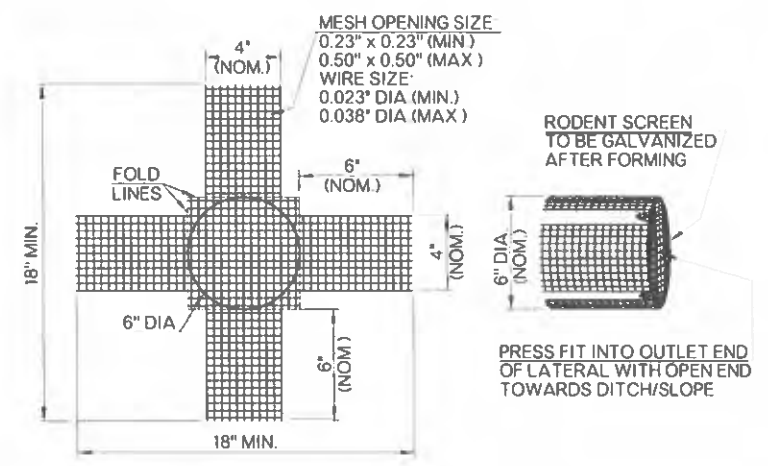
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EDGE DRAIN INSTALLATION - OPEN TYPICAL SECTION

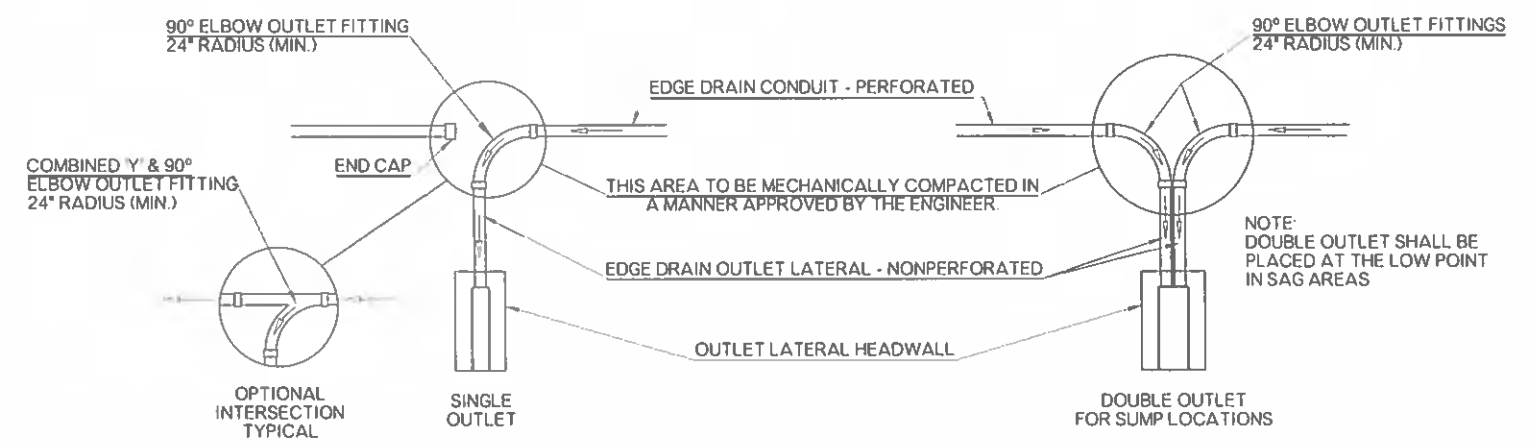


EDGE DRAIN INSTALLATION - CURBED TYPICAL SECTION

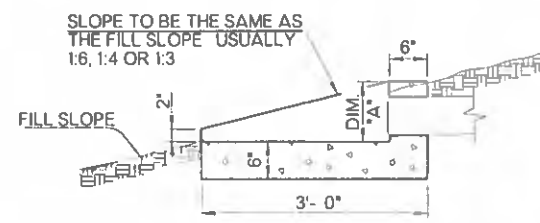


RODENT SCREEN DETAIL

THIS RODENT SCREEN DETAIL IS TYPICAL ONLY AND OTHER DESIGN LAYOUT PATTERNS MAY BE ALLOWED IF APPROVED BY THE ENGINEER. NO TOLERANCE SHALL BE ALLOWED ON MATERIAL SPECIFICATIONS. RODENT SCREEN DIMENSIONS WILL CHANGE PROPORTIONATELY FOR ALTERNATE SIZE OUTLET LATERAL CONDUIT.

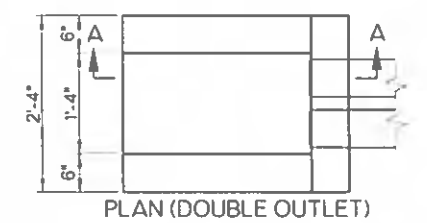
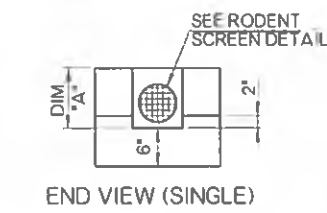


OUTLET LATERAL CONNECTIONS - PLAN



SECTION A - A

FILL SLOPE	DIM. "A"	CLASS A CONCRETE QUANTITY	
		SINGLE OUTLET	DOUBLE OUTLET
1:3	1'-0"	0.18 CY	0.23 CY
1:4	9 1/2"	0.17 CY	0.21 CY
1:6	7"	0.16 CY	0.19 CY



OUTLET LATERAL HEADWALL

NOTE: OPENING FOR LATERAL PIPE WILL VARY IN SIZE AND SHAPE, DEPENDING ON THE SIZE OF THE OUTLET LATERAL PIPE AND THE SLOPE OF THE STRUCTURE. THE OUTLET LATERAL PIPE SHALL BE CUT TO CONFORM TO THE TOP SURFACE OF THE OUTLET HEADWALL.

GENERAL NOTES

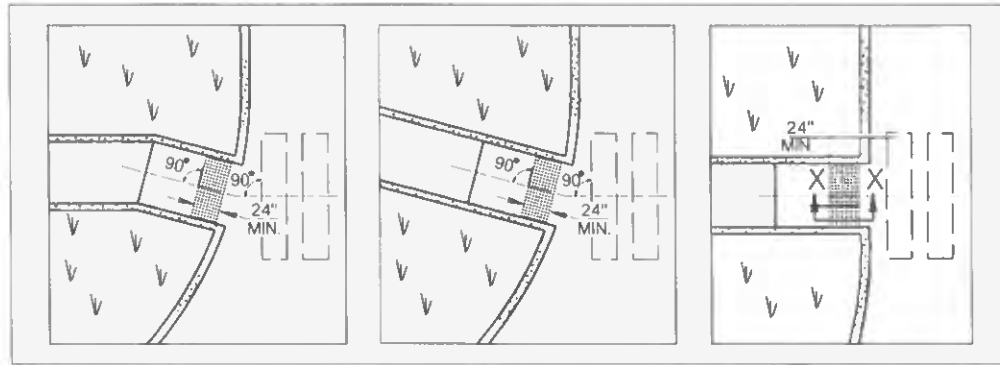
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- INSTALLATION OF OUTLET LATERAL PIPES SHOULD BE SCHEDULED CONCURRENT WITH THE INSTALLATION OF PAVEMENT EDGE DRAIN.
- PAVEMENT EDGE DRAIN CONDUIT SHALL NOT BE LEFT IN PLACE LONGER THAN 48 HOURS WITHOUT BEING CONNECTED TO OUTLET LATERAL PIPES.
- OUTLET ELBOWS (90°) SHALL BE USED WHEN PIPE EDGE DRAIN SLOPE EXCEEDS TWO (2) PERCENT.
- CONNECTION OF THE OUTLET LATERAL PIPE TO THE OUTLET FITTING SHALL BE DONE IN A MANNER APPROVED BY THE ENGINEER. COST OF ALL CAPS, FITTINGS, LATERAL PIPE, BONDING MATERIALS, RODENT SCREENS, TRENCHING AND BACKFILLING NEEDED TO INSTALL OUTLET LATERAL PIPE SHALL BE INCLUDED IN THE PRICE BID FOR EDGE DRAIN OUTLET LATERAL (NON-PERFORATED).
- EDGE DRAINS AND OUTLET LATERALS SHALL BE LOCATED ON LOW SIDE OF SUPER ELEVATED SECTIONS AT CURVES. OUTLET LATERALS ARE TO BE PLACED AT 300' INTERVALS ON GRADE OR AS APPROVED BY THE ENGINEER.
- PRICE BID FOR OUTLET LATERAL HEADWALL INCLUDES SURFACE PREPARATION, CLASS A CONCRETE, LABOR AND ANY INCIDENTALS NECESSARY FOR CONSTRUCTION.
- CLASS A CONCRETE SHALL MEET REQUIREMENTS OF SECTION 509 OF THE SPECIFICATIONS.
- AGGREGATE COVER MATERIAL SHALL MEET THE REQUIREMENTS OF SECTION 701.06 OF THE SPECIFICATIONS. AGGREGATE NO 57. COST OF AGGREGATE COVER MATERIAL TO BE INCLUDED IN PRICE BID FOR EDGE DRAIN CONDUIT - PERFORATED.
- DETAILS ON THIS SHEET ARE BASED ON 6" DIA. EDGE DRAIN CONDUIT. THE CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO ACCOMMODATE OTHER SIZE EDGE DRAINS.

BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
613 (J)	EDGE DRAIN CONDUIT - PERFORATED	LF
613 (K)	EDGE DRAIN OUTLET LATERAL - NONPERFORATED	LF
613 (Q)	OUTLET LATERAL HEADWALL	EA

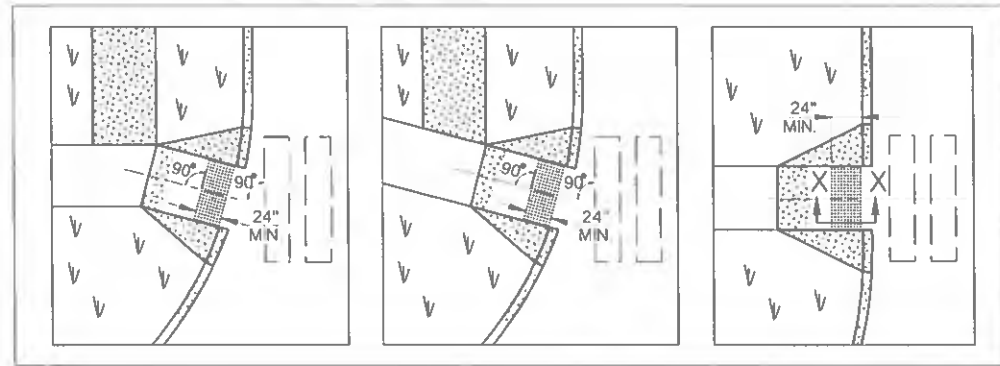
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ROADWAY DESIGN DIVISION STANDARD



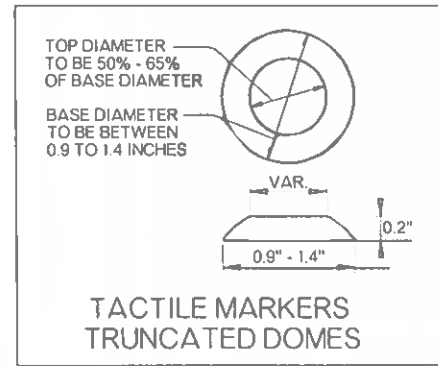
PAVEMENT EDGE DRAIN



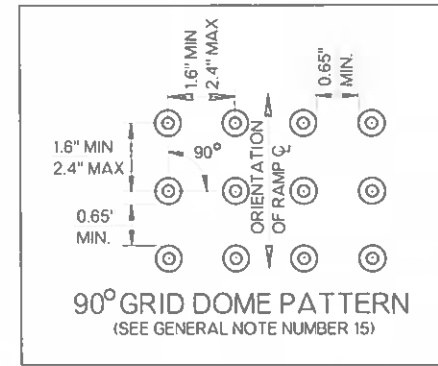
TACTILE SYSTEM ORIENTATION - TYPICAL CURBED RAMPS



TACTILE SYSTEM ORIENTATION - TYPICAL FLARED RAMPS

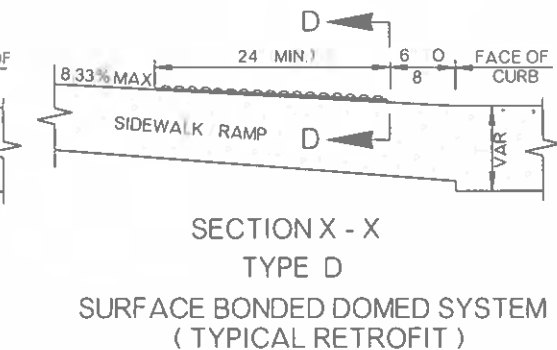
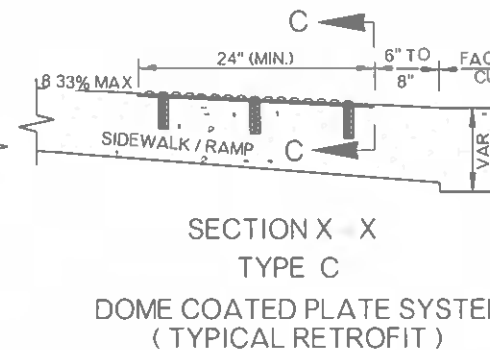
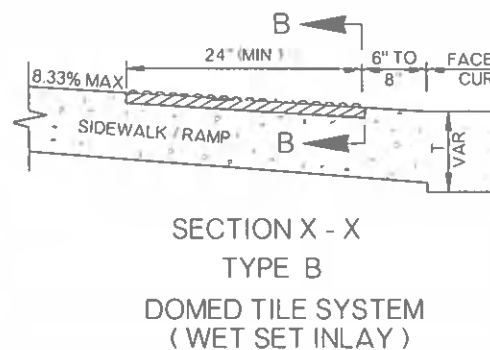
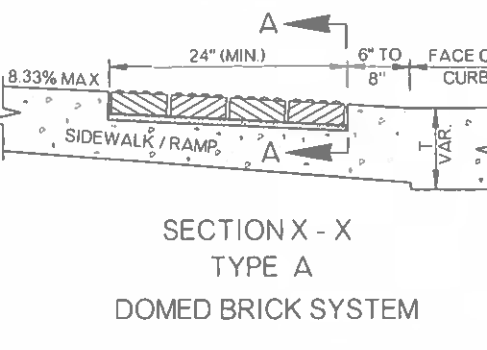
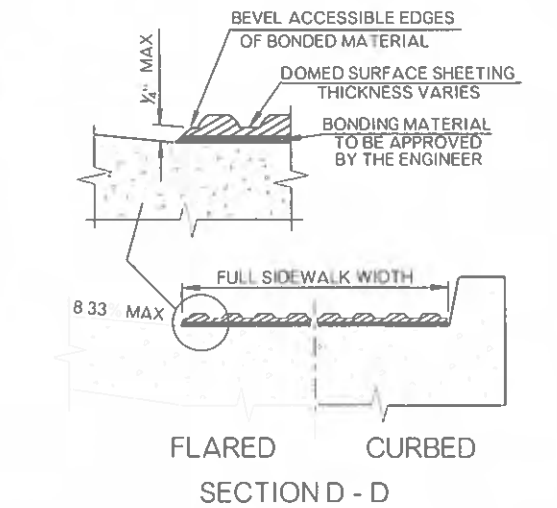
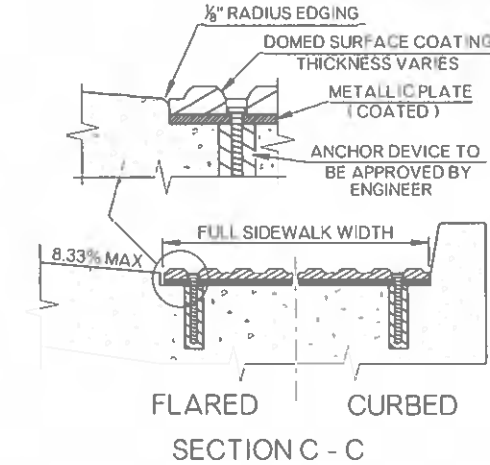
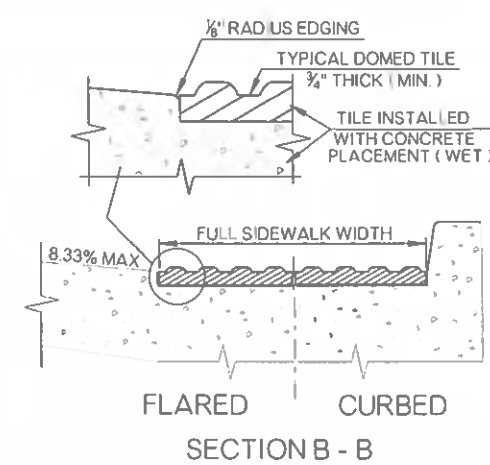
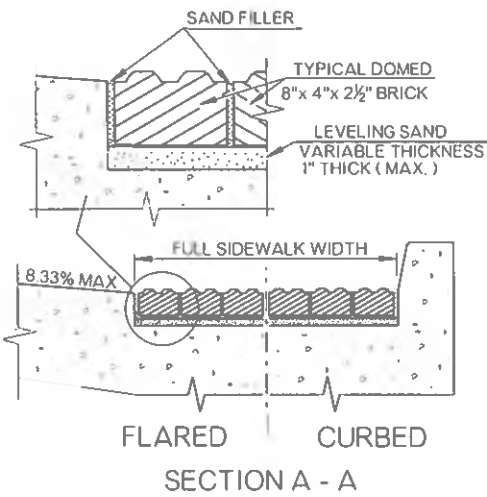


TACTILE MARKERS TRUNCATED DOMES



GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
- ALL FEATURES OF TACTILE WARNING DEVICES DESIGN AND INSTALLATION SHALL COMPLY WITH THE PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDE LINE (PROWAG) WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THE PROWAG THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURE(S) THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE PROWAG WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE PROWAG OR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE
- TACTILE WARNING SURFACE SHALL EXTEND FROM EDGE TO EDGE OF WALKWAY ENTERING THE CROSSWALK AT STREET LEVEL
- CURB IS NOT SHOWN IN THE SECTION X-X DEPEND ON THE SHEET
- THICKNESS OF PAVEMENT ABUTTING SIDEWALK/RAMP VARIES
- SIDEWALK, RAMP AND FARE THICKNESS SHALL BE 4" MINIMUM THICKNESS AFTER INSTALLATION OF TACTILE WARNING TREATMENT
- TRUNCATED DOME SURFACE SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE TRUNCATED SURFACE
- LEVELING SAND FOR DOMED BRICK SYSTEMS SHALL MEET THE REQUIREMENTS OF SECTION 703.06B(2) OF THE SPECIFICATIONS
- SURFACE BONDED TACTILE SYSTEMS MAY ONLY BE PLACED ON NEWLY POURED CONCRETE AFTER AN APPROPRIATE PERIOD OF CURING IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER
- ROWS OF TACTILE DOME TREATMENT SHOULD BE ORIENTED PARALLEL WITH CENTERLINE OF SIDEWALK/RAMP OR TOWARD THE CENTERLINE OF MARKED CROSSWALK
- EXPANSION JOINTS DEEMED NECESSARY BUT NOT SHOWN ON THE PLANS MAY BE ADDED AND PLACED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER
- TACTILE SYSTEMS DOME PATTERNS OR FEATURES DIFFERING FROM THOSE SHOWN ON THIS DETAIL MEETING PRESENT PROWAG SPECIFICATIONS, SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER BEFORE INSTALLATION
- THE SAME TACTILE DOME PATTERN AND COLOR SHALL BE USED THROUGHOUT ANY NEW OR RETROFIT PROJECT COMPLETE AND A PORTION OF EXISTING RAMPS TO BE RETROFIT WITH TACTILE DEVICES SHALL BE DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER
- RETROFIT INSTALLATIONS WITH REQUIRED REPAIRS EXISTING DEPRESSES CURBING A MINIMUM 6 TO 8" H SETBACK FROM FACE OF CURB SHALL BE ENFORCED FOR NEAR EDGE OF TACTILE DOME
- TYPES A & B TACTILE SYSTEMS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 10,000 PSI TYPES C & D SYSTEMS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20,000 PSI COMPRESSIVE STRENGTH SHALL MEET A TMD69
- TACTILE WARNING SURFACE MAY NOT BE TAMPERED WITH CONCRETE



BASIS OF PAYMENT		
ITEM NO	DESCRIPTION	UNIT
610 (1)	TACTILE WARNING DEVICES NEW	SF
610 (2)	TACTILE WARNING DEVICES RETROFIT	SF

NOTE: TYPE A, B, C, D TACTILE WARNING DEVICES SHALL BE SPECIFIED ON THE PLAN OR NEW CONSTRUCTION AND TYPE C, D SHALL BE SPECIFIED ON THE PLAN FOR RETROFIT CONSTRUCTION

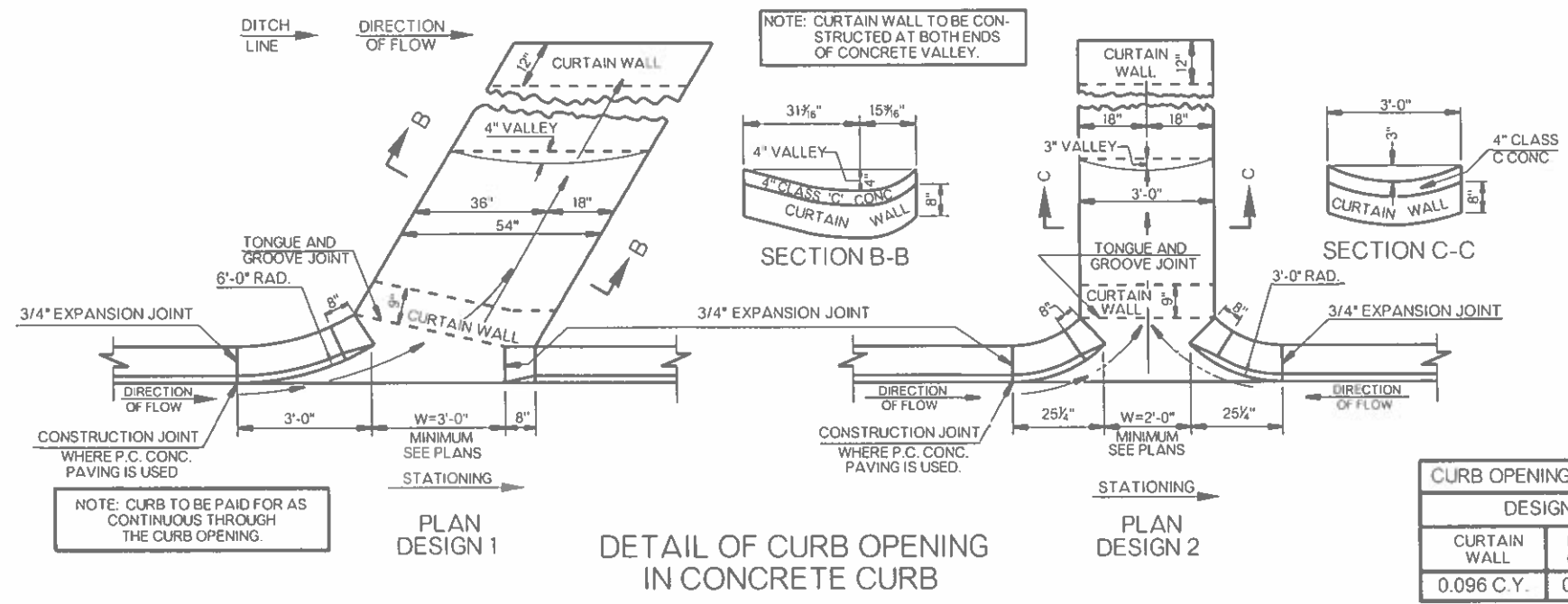
APPROVED BY ROADWAY ENGINEER *[Signature]* DATE 6/3/22
 ROADWAY DESIGN DIVISION STANDARD



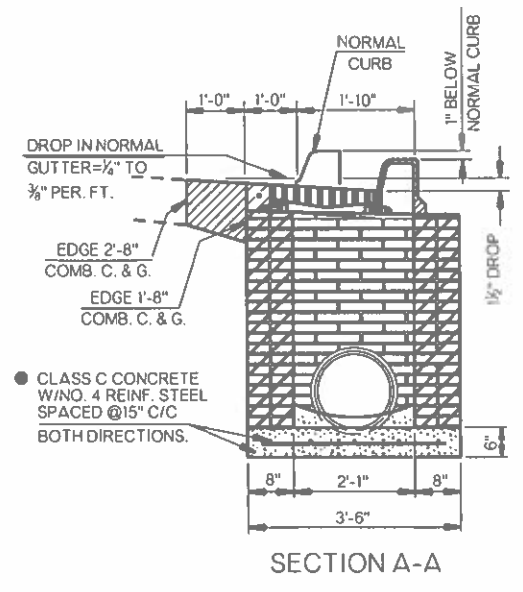
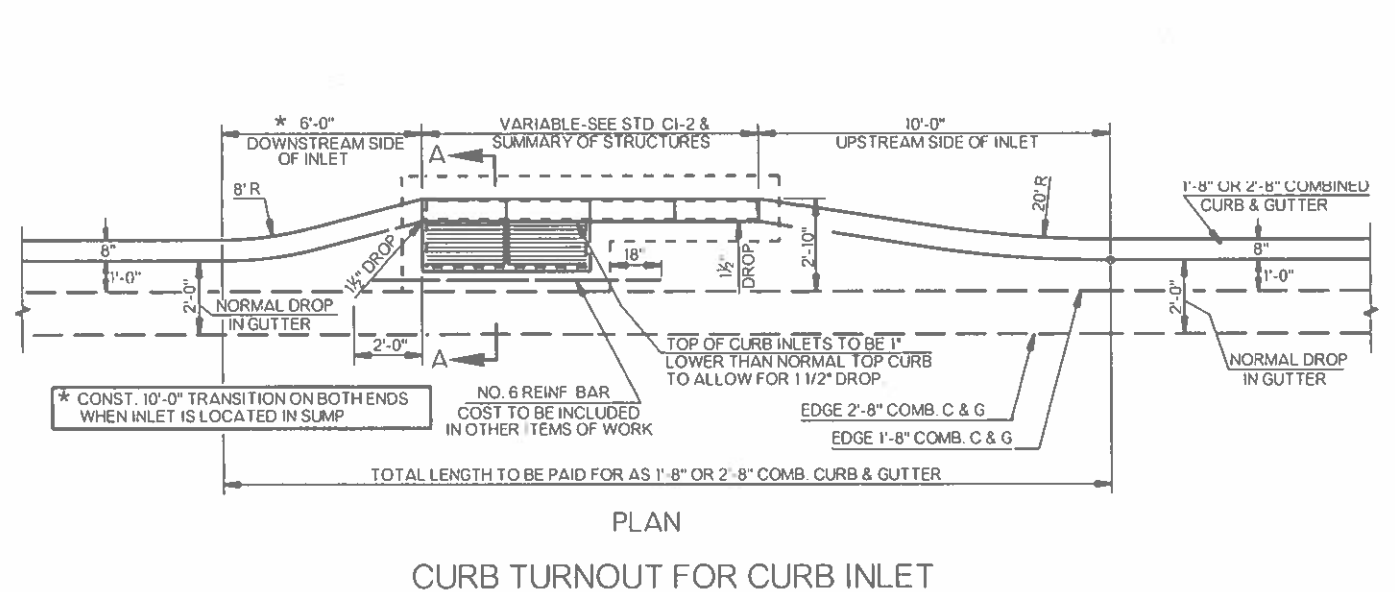
TACTILE WARNING DEVICES

2019 SPECIFICATIONS

TWD-2	2
	R



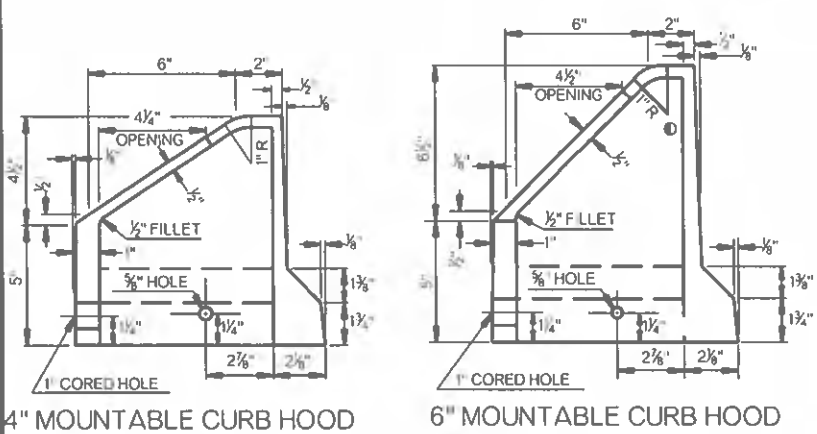
DESIGN 1		DESIGN 2	
CURTAIN WALL	PER FOOT OF FLUME	CURTAIN WALL	PER FOOT OF FLUME
0.096 C.Y.	0.048 C.Y.	0.074 C.Y.	0.037 C.Y.



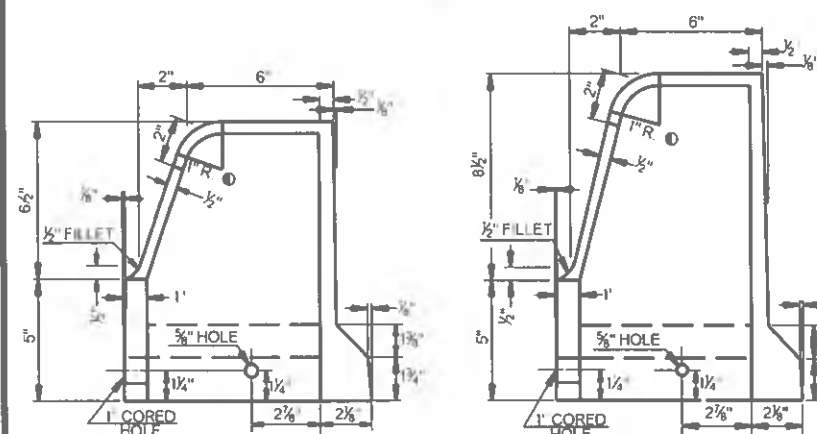
- GENERAL NOTES
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
 - INLET STRUCTURES MAY BE SUPPLIED AS PRECAST UNITS IF PROPOSED PRECAST DESIGN IS SUBMITTED TO THE ENGINEER AND APPROVED FOR USE. SEE ROADWAY STANDARD CI-2.

ITEM NO.	ITEM	UNIT
509 (D)	CLASS C CONCRETE	CY

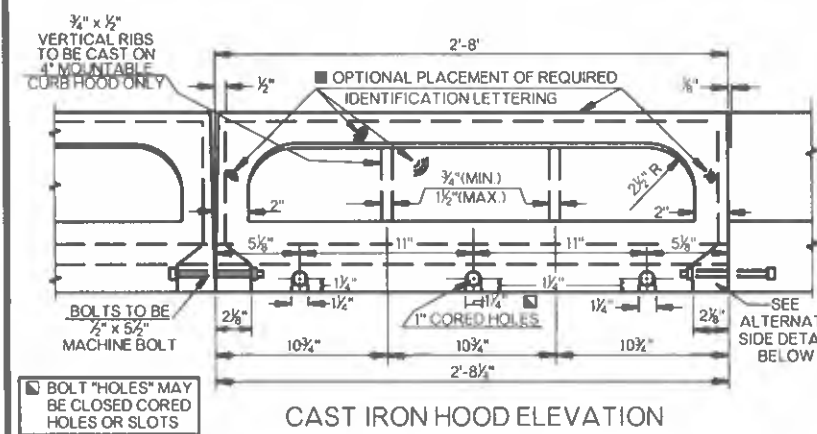
APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE: 6/30/22
ROADWAY DESIGN DIVISION STANDARD



4" MOUNTABLE CURB HOOD 6" MOUNTABLE CURB HOOD

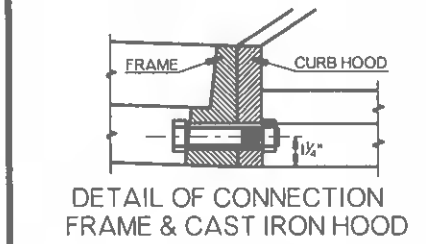


6" BARRIER CURB HOOD 8" BARRIER CURB HOOD



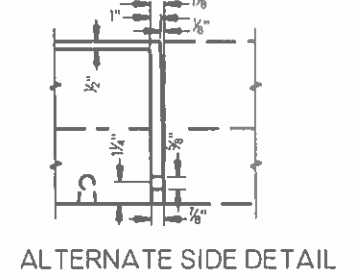
CAST IRON HOOD ELEVATION

TOP OF HOOD SHALL STATE "DUMP NO WASTE" AND "DRAINS TO RIVER" OR SIMILAR WORDING

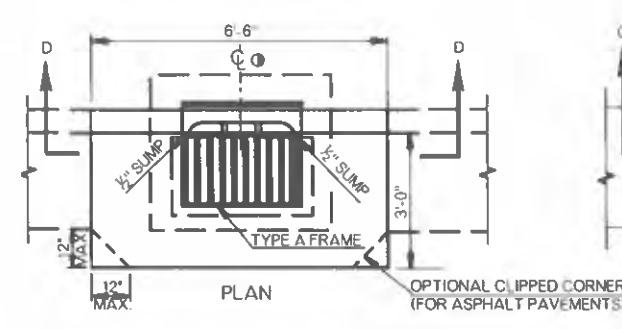


DETAIL OF CONNECTION FRAME & CAST IRON HOOD

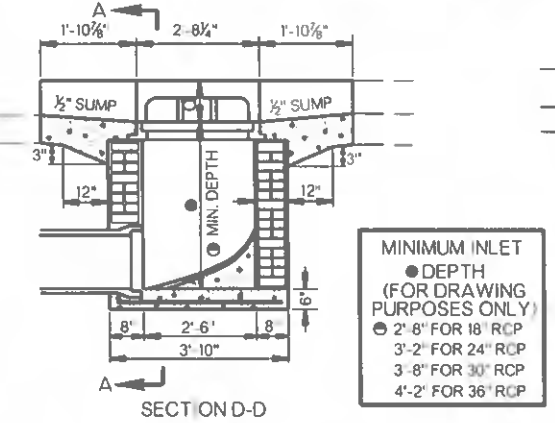
FRAME TO BE BOLTED TO THE HOOD WITH 3 EA. 3/4" x 4 1/2" MACHINE BOLTS. FOR FRAME DETAILS, SEE ROADWAY STANDARD SSIF-5.



ALTERNATE SIDE DETAIL

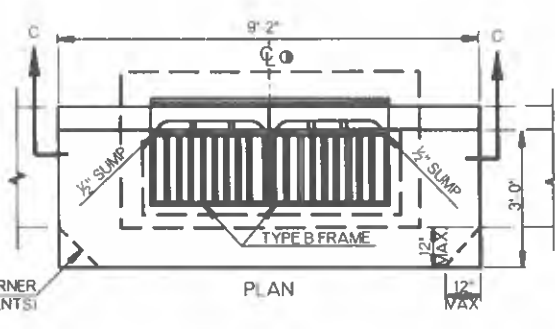


PLAN OPTIONAL CLIPPED CORNER (FOR ASPHALT PAVEMENTS)

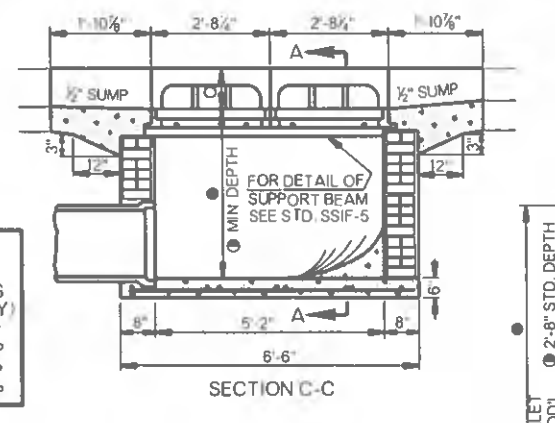


SECTION D-D DESIGN 1 (SINGLE GRATE)

MINIMUM INLET DEPTH (FOR DRAWING PURPOSES ONLY)
 2'-6" FOR 18" RCP
 3'-2" FOR 24" RCP
 3'-8" FOR 30" RCP
 4'-2" FOR 36" RCP

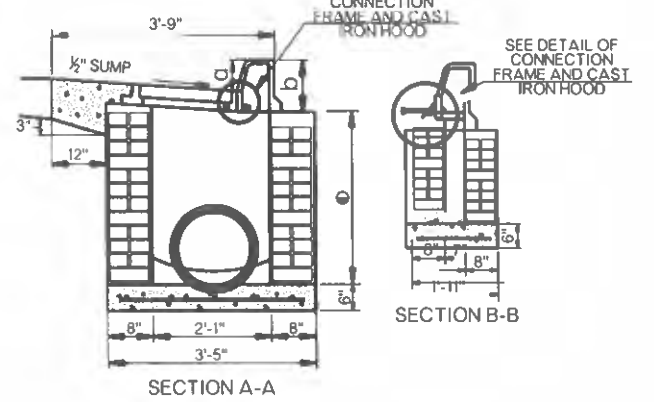


PLAN



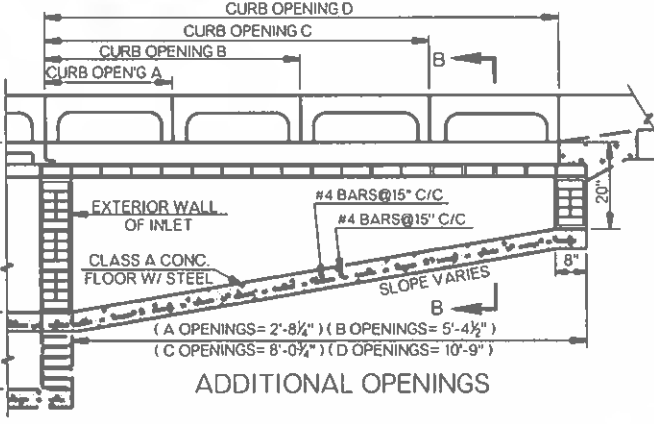
SECTION C-C DESIGN 2 (DOUBLE GRATING)

DESIGN 3 (MULTIPLE DOUBLE GRATING)



SECTION A-A

SECTION B-B



ADDITIONAL OPENINGS

MINIMUM DEPTH MASONRY OR PRECAST WALLS
 2'-3" FOR 18" RCP
 2'-9" FOR 24" RCP
 3'-3" FOR 30" RCP
 3'-9" FOR 36" RCP

DESIGN NO	TYPE OF CURB	DIMENSIONS	
		a	b
1	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"
2	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"
3	4" MOUNTABLE	4 1/2"	9 1/2"
	6" MOUNTABLE	6 1/2"	11 1/2"
	8" BARRIER	8 1/2"	13 1/2"

QUANTITIES (FOR 18" R.C PIPE AND MIN. DEPTH)

DESIGN	INLET DESIGNATION	CURB OPENING	CLASS A CONCRETE CU. YD.	NLET BASE (CF) ▽	NLET ADD'L CF PER VERT FT.	INLET FRAME & GRATE EACH	CAST IRON HOOD EACH	ANGLE IRON	
								NO.	LENGTH
1	STD.		0.24	17.76	7.89	1	1	-	-
	A		0.34	23.84	7.89	1	2	1	2'-5 1/2"
	B		0.43	30.11	7.89	1	3	1	5'-1 1/2"
	C		0.53	36.38	7.89	1	4	1	7'-9 1/2"
	D		0.63	42.66	7.89	1	5	1	10'-6 1/2"
	2A		0.43	29.91	7.89	1	3	2	2'-5 1/2"
	A-B		0.53	36.19	7.89	1	4	2	2'-5 1/2"
	A-C		0.62	42.46	7.89	1	5	2	2'-5 1/2"
	2B		0.62	42.46	7.89	1	5	2	5'-1 1/2"
	B-C		0.72	48.74	7.89	1	6	2	5'-1 1/2"
2	2C		0.82	55.01	7.89	1	7	2	7'-9 1/2"
	STD.		0.41	25.76	11.45	2	2	-	-
	B		0.60	38.11	11.45	2	4	1	5'-1 1/2"
	C		0.73	44.39	11.45	2	5	1	7'-9 1/2"
	D		0.79	50.66	11.45	2	6	1	10'-6 1/2"
	2B		0.79	50.46	11.45	2	6	2	5'-1 1/2"
	2C		0.98	63.01	11.45	2	8	2	7'-9 1/2"
	B-D		0.98	63.01	11.45	2	8	2	5'-1 1/2"
	2D		1.17	75.56	11.45	2	10	2	10'-6 1/2"
	2D		1.17	75.56	11.45	2	10	2	10'-6 1/2"
3	STD.		0.74	41.27	18.34	4	4	-	-
	B		0.93	53.62	18.34	4	6	1	5'-1 1/2"
	D		1.12	66.17	18.34	4	8	1	10'-6 1/2"
	2B		1.12	65.98	18.34	4	8	1	5'-1 1/2"
	B-D		1.31	78.52	18.34	4	10	2	5'-1 1/2"
	2D		1.50	91.07	18.34	4	12	2	10'-6 1/2"

DEPTH OF 2'-8" SHALL BE USED AS STANDARD DEPTH FOR ALL PIPE SIZES AND/OR PIPE TYPES. FOR INLET DEPTHS GREATER THAN STANDARD DEPTH, A PAY ITEM FOR ADDITIONAL DEPTH IN INLET, PAID AS VERTICAL FEET, SHALL BE USED. TO DETERMINE TOTAL INLET QUANTITY FOR INLET DEPTHS GREATER THAN 2'-8", MULTIPLY ADDITIONAL DEPTH BY ADDITIONAL CUBIC FEET PER VERTICAL FOOT AND ADD TO THE INLET BASE, IN CUBIC FEET.

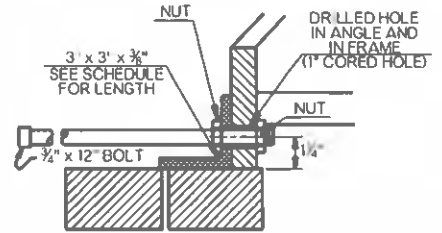
BASE AMOUNT IS THE CUBIC FEET OF THE INLET, WITHOUT ADDITIONAL DEPTH. AS AN EXAMPLE, THE DESIGN 1B INLET IS HAVING WALLS 8" THICK, WITH OUTSIDE DIMENSIONS OF 3'-10" AND 3'-6" FOR THE 'MAIN' BOX, AND WALLS 8" THICK AND OUTSIDE DIMENSIONS OF 1'-11" AND 5'-4 1/2" FOR THE 'B' CURB OPENING.

QUANTITIES SHOWN ARE FOR 2 DOUBLE-GRATED INLETS.

PAYMENT FOR ALL CLASS A CONCRETE AND ANY REINFORCING STEEL USED TO CONSTRUCT CAST-IN-PLACE INLET WALLS OR FLOORS SHALL BE INCLUDED IN THE PRICE BID FOR THE INLET. PRECAST INLET ALTERNATIVES ARE ACCEPTED, BUT ONLY IF THEIR DESIGNS FOLLOW ROADWAY STANDARD PCI-1.

SPECIAL DESIGN CASTINGS, HOODS, FRAMES OR GRATES MAY BE USED, IN LIEU OF STANDARD DESIGNS SHOWN ON THIS SHEET, IF APPROVED BY THE ENGINEER.

- GENERAL NOTES
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
 - ROADWAY STANDARD SSIF-5 FRAMES AND STANDARD CIG-4 GRATES SHALL BE USED WITH THESE INLETS UNLESS OTHERWISE SPECIFIED. COST OF THE FRAMES, GRATES OR HOODS SHALL BE INCLUDED IN THE COST OF THE CURB INLET
 - WHEN THE INLET IS BUILT IN NEW CONCRETE PAVEMENT, THE APRON AROUND THE INLET MAY BE BUILT INTEGRAL WITH PAVEMENT OR MAY BE SEPARATE AND OF THE SIZE AS SHOWN. THE THICKNESS SHALL BE THE SAME AS THE CONCRETE PAVEMENT OR CURB AND GUTTER. IF CONSTRUCTED IN ANY OTHER AREA OR IN EXISTING PAVEMENT, THE APRON AROUND THE INLET SHALL BE THE SIZE AS SHOWN AND BUILT OF P.C. CONCRETE TO A MINIMUM 8 INCH THICKNESS.
 - THERE WILL BE NO DEDUCTION OF PAYMENT FOR CONCRETE CURB AND GUTTER OR P.C. CONCRETE THROUGH THE EXTENTS OF THE INLET HOODS. DEDUCTION WILL BE MADE FOR THE PAYMENT OF INTEGRAL CURB THROUGH THE EXTENTS OF THE INLET HOODS.
 - ALL LETTERING TO BE RECESSED 1/8 INCH AND SHALL NOT EXCEED ONE INCH IN HEIGHT. INFORMATION REQUIRED SHALL BE AS STATED IN THE SPECIFICATIONS. LOCATION OF LETTERING TO BE AS SHOWN, WITH ADDITIONAL IDENTIFICATION LETTERING AT OTHER LOCATIONS PERMITTED.
 - CAST-IN-PLACE CONCRETE WALLS MEETING MIX REQUIREMENTS OF CLASS A CONCRETE MAY BE BUILT IN LIEU OF THE BRICK MASONRY TO THE SAME DIMENSIONS AS SHOWN. NO. 4 REINFORCING STEEL BARS SPACED 30" VERTICALLY AND 12" HORIZONTALLY WILL BE REQUIRED FOR ALL CAST-IN-PLACE INLET WALLS EXCEEDING 5 FEET IN DEPTH (GUTTER ELEVATION TO THE FLOWLINE ELEVATION). COST OF STEEL REINFORCING TO BE INCLUDED IN THE COST OF THE CURB INLET.
 - ALL CAST-IN-PLACE CLASS A CONCRETE INLET FLOORS SHALL HAVE NO. 4 REINFORCING STEEL PLACED AT 16" MAXIMUM C/C SPACING IN BOTH DIRECTIONS.
 - THE STANDARD DRAWING, DESIGN NUMBER, DESIGNATION NUMBER, AND NUMBER OF ADDITIONAL OPENINGS SHALL BE INDICATED ON THE PLANS. I.E. ROADWAY STANDARD CI 2 DES 1 (A-B)
 - TYPE B AND C FRAMES TO BE USED FOR MULTIPLE DOUBLE GRATES SEE ROADWAY STANDARD SSIF-5 FOR DETAILS.
 - BOLT(S) WITH EXPANSION DEVICES OR EPOXY TYPE PUTTY TO BE USED TO INSTALL CAST IRON HOODS INTO CONCRETE CURB. COST OF INSTALLATION TO BE INCLUDED IN PRICE BID FOR THE CURB INLET.
 - CASTINGS AS SHOWN HERE SHALL BE CAST STEEL DUCTILE IRON OR GRAY IRON CONFORMING TO SECTION 725 OF THE ODOT SPECIFICATIONS.
 - TWO INCH RADIUS MAY BE USED IF APPROVED BY THE ENGINEER.
 - CONSTRUCTION STATIONING OF THE CURB INLETS IS DETERMINED BY THE CENTERLINE (C) OF THE SURFACE GRATES.



DETAIL OF CONNECTION ANGLE IRON & CAST IRON HOOD
 NO. 4 ANGLE IRON TO BE BOLTED TO HOOD WITH 3 EACH 3/4" x 12" MACHINE BOLTS IN EACH HOOD SECTION.

BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
611 (G)	NLET (CI DES. Δ)	EA
611 (H)	ADDITIONAL DEPTH IN INLET (CI DES. ▽)	VF
611 (I)	REPLACEMENT OF INLET FRAME AND GRATE Δ	EA
611 (J)	REPLACEMENT OF INLET FRAME	EA
611 (K)	REPLACEMENT OF INLET GRATE	EA
611 (M)	REPLACEMENT OF CAST IRON HOOD	EA

Δ SPECIFY INLET DESIGN & CURB OPENING DESIGNATION.
 ▽ SPECIFY INLET DESIGN 1, 2 OR 3
 ▲ TYPE OF FRAME AND TYPE OF GRATE SHALL BE SPECIFIED

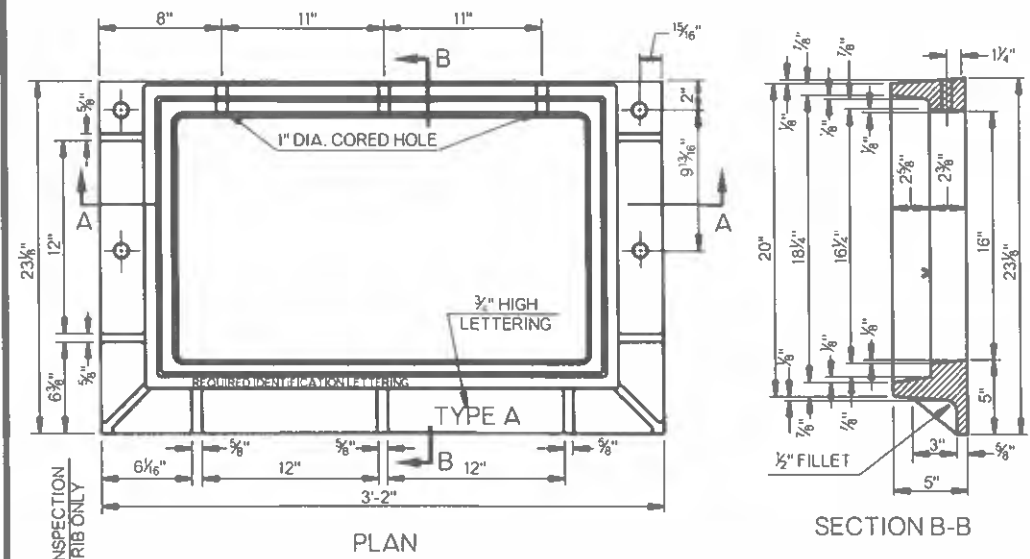
APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE 6/30/22
 ROADWAY DESIGN DIVISION STANDARD

CAST-IN-PLACE CURB INLETS

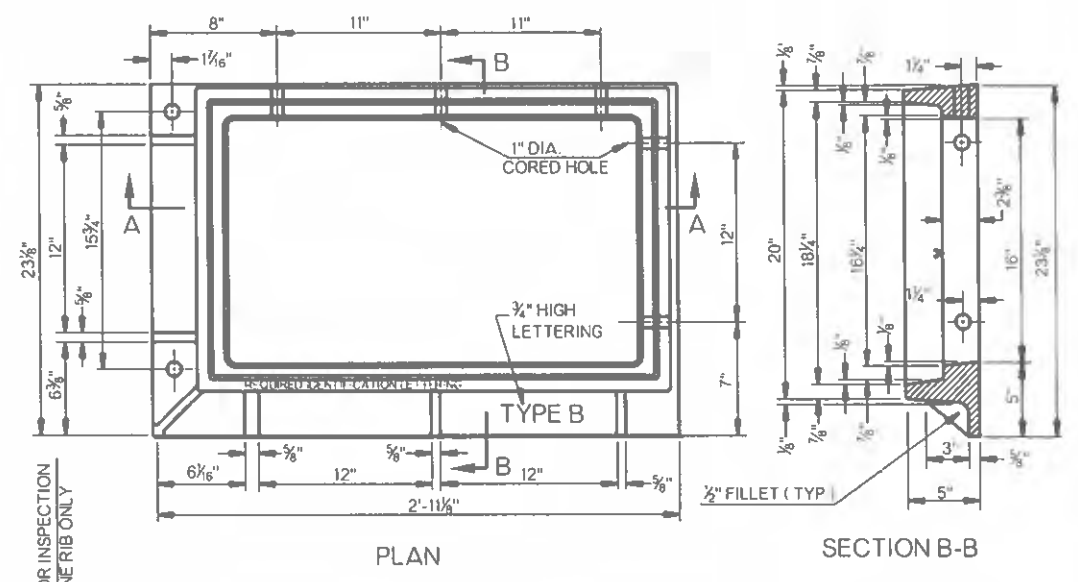
OKLAHOMA Transportation

2019 SPECIFICATIONS

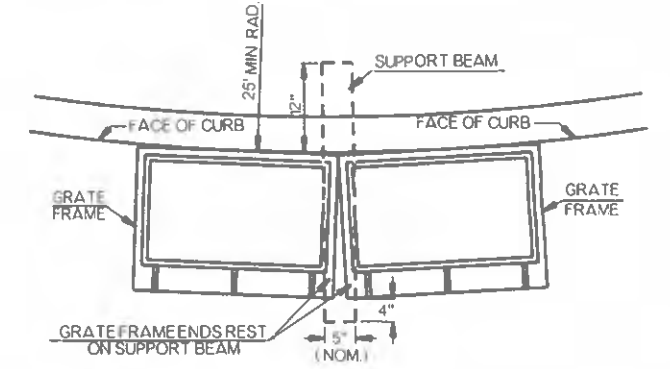
CI-2	2
	R 45



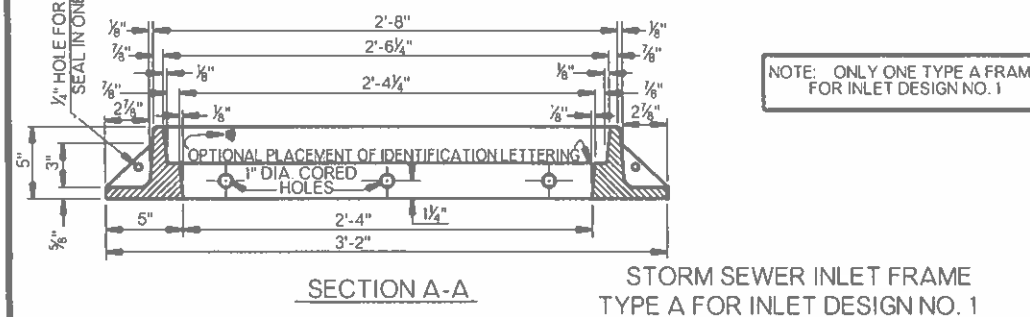
NOTE: ONLY ONE TYPE A FRAME FOR INLET DESIGN NO. 1



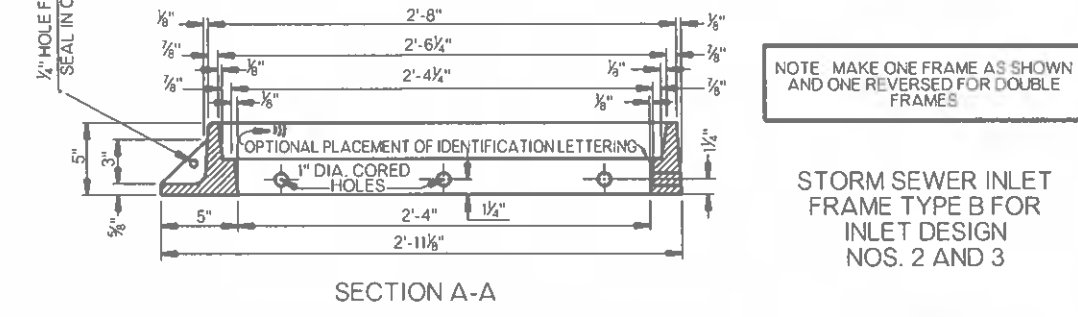
NOTE: MAKE ONE FRAME AS SHOWN AND ONE REVERSED FOR DOUBLE FRAMES



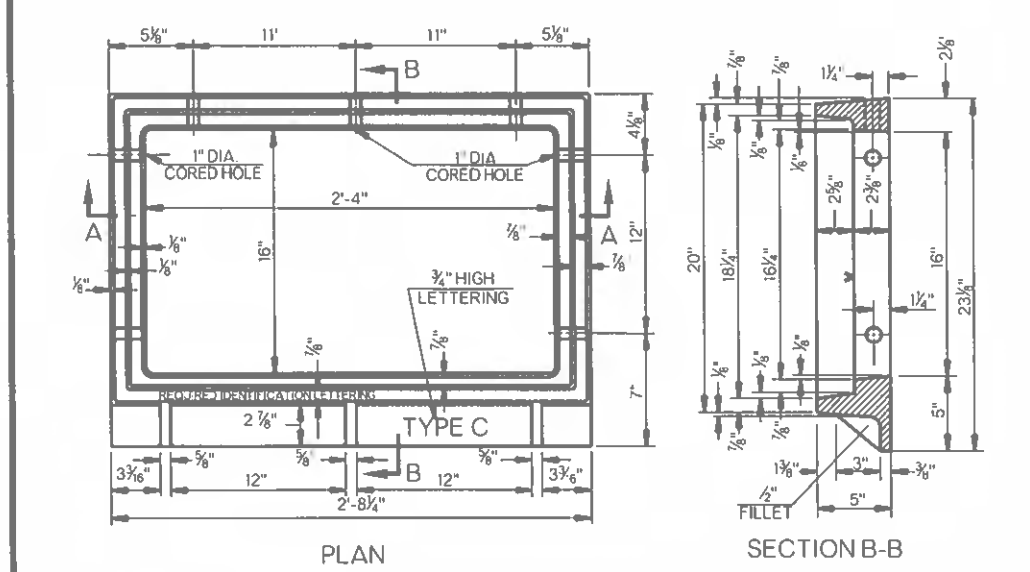
ALTERNATE SUPPORT BEAM
TO BE USED IN LIEU OF S 4 x 7 7/8, WHEN STRUCTURE IS BUILT ALONG CURVED CURB



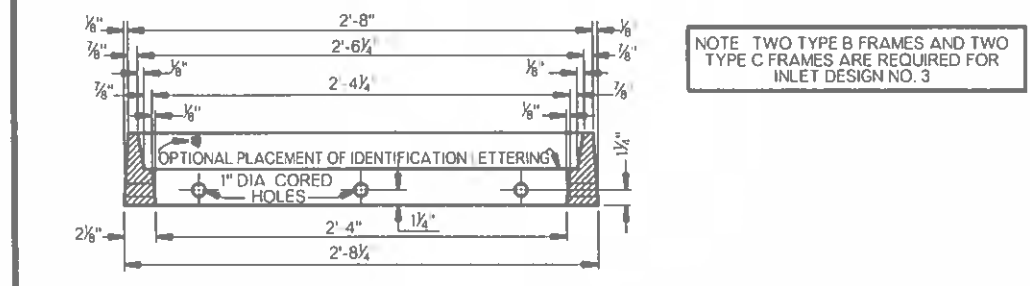
STORM SEWER INLET FRAME TYPE A FOR INLET DESIGN NO. 1



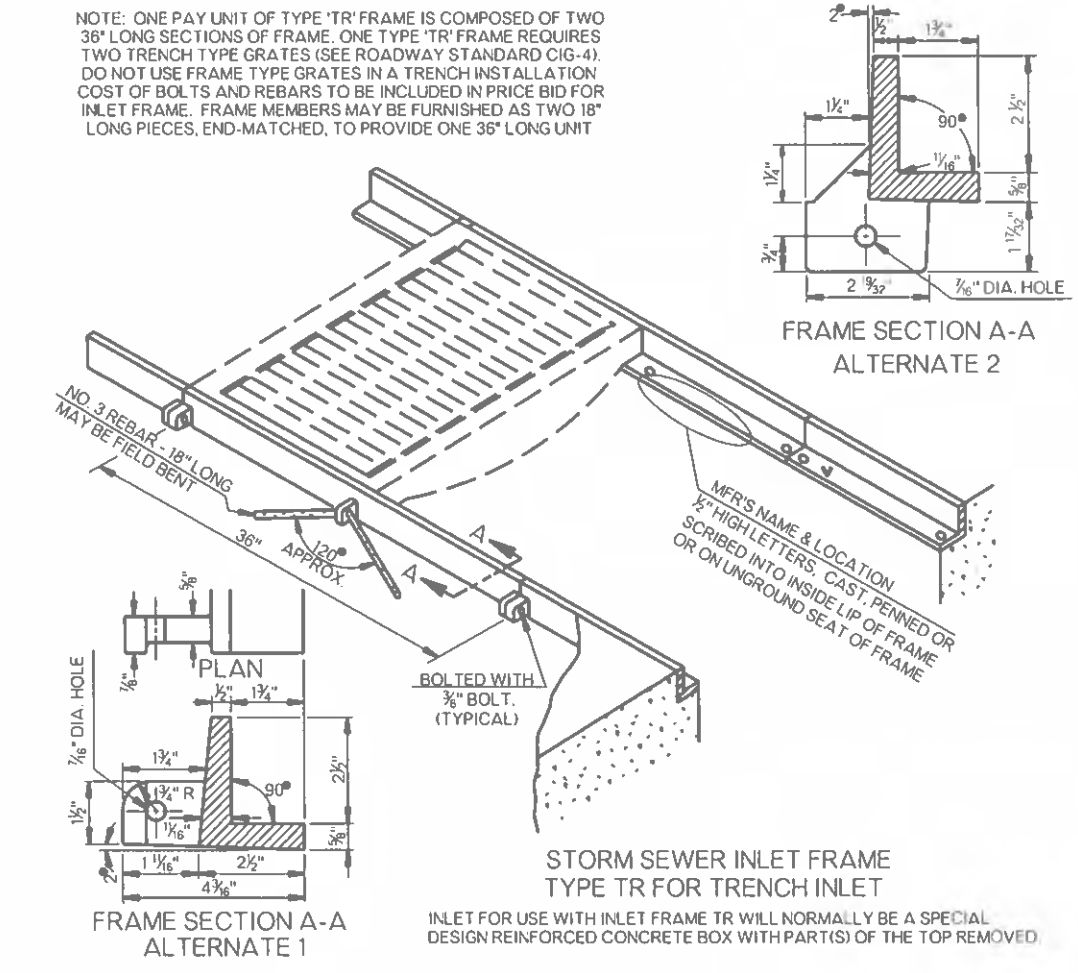
STORM SEWER INLET FRAME TYPE B FOR INLET DESIGN NOS. 2 AND 3



NOTE: TWO TYPE B FRAMES AND TWO TYPE C FRAMES ARE REQUIRED FOR INLET DESIGN NO. 3



STORM SEWER INLET FRAME TYPE C FOR INLET DESIGN NO. 3



STORM SEWER INLET FRAME TYPE TR FOR TRENCH INLET
INLET FOR USE WITH INLET FRAME TR WILL NORMALLY BE A SPECIAL DESIGN REINFORCED CONCRETE BOX WITH PART(S) OF THE TOP REMOVED.

- GENERAL NOTES**
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS
 - INLET DESIGN NO. 1 REQUIRES ONE TYPE 'A' FRAME
 - INLET DESIGN NO. 2 REQUIRES TWO TYPE 'B' FRAMES AND 2 EA 3/4" x 5" BOLTS WITH NUTS AND ONE S 4 x 7 7/8 x 3'-4" LONG SUPPORT BEAM IF BUILT ON CURVED CURB. THE INLET REQUIRES 1 EA 3/4" x 5" BOLT WITH NUT AND 1 EA 3/4" x 6 1/2" BOLT WITH NUT AND ONE M 5 x 18.9 x 3'-4" LONG SUPPORT BEAM.
 - INLET DESIGN NO. 3 REQUIRES THE SAME APPURTENANCES AS DESIGN NO. 2 WITH TWO OR MORE TYPE 'C' FRAMES LOCATED BETWEEN THE TWO TYPE 'B' FRAMES AND ONE ADDITIONAL SUPPORT BEAM AND A PAIR OF BOLTS WITH NUTS FOR EACH ADDED TYPE 'C' FRAME. PLUS ONE ADDITIONAL PAIR OF BOLTS AND SUPPORT BEAM
 - ALL LETTERING TO BE RECESSED 1/16" AND SHALL NOT EXCEED 1" IN HEIGHT. INFORMATION REQUIRED SHALL BE STATED IN THE SPECIFICATIONS. LOCATION OF LETTERING TO BE AS SHOWN WITH ADDITIONAL IDENTIFICATION LETTERING AT OTHER LOCATIONS ACCEPTABLE
 - FRAMES SHALL BE CAST STEEL, DUCTILE IRON, OR GRAY IRON CONFORMING TO SECTION 725 OF THE SPECIFICATIONS
 - INLET FRAMES AND GRATES INSTALLED DURING ORIGINAL CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE ORIGINAL INLET

NOTE: MACHINING (SYMBOL A) MAY BE ACCOMPLISHED BY MILLING OR BY LEVEL GRINDING

BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
611 (I)	REPLACEMENT OF INLET FRAME AND GRATE (I)	EA
611 (J)	REPLACEMENT OF INLET FRAME (J)	EA

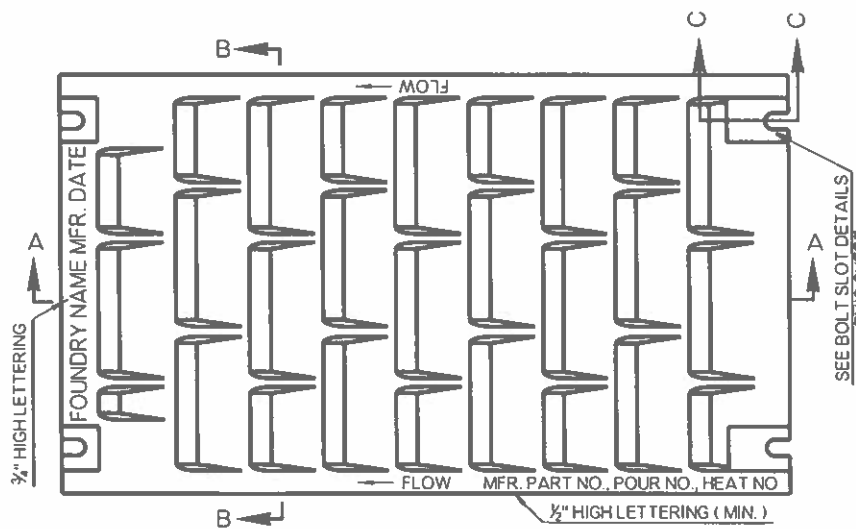
TYPE OF FRAME AND TYPE OF GRATE SHALL BE SPECIFIED

TYPE A, B, OR C FRAMES AS SHOWN HERE WITH GRATES FROM STANDARD CIG-4 (TYPE VG F OR RVG-F) COMPRISE THE PAY ITEM. SEE NOTE THIS SHEET FOR PAY UNIT.

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ROADWAY DESIGN DIVISION STANDARD

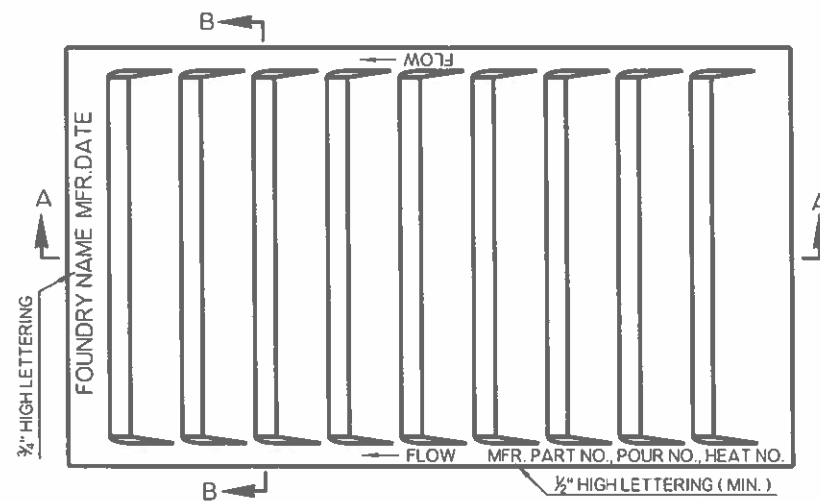


STORM SEWER INLET FRAMES (CURB INLETS)



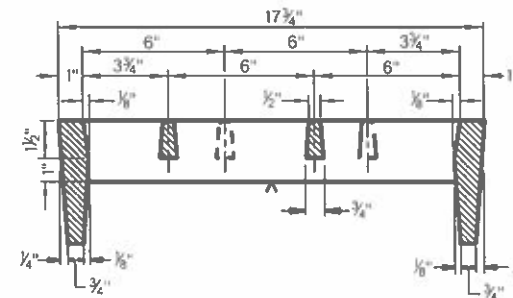
PLAN - RIBBED VANE GRATE
(SHOWN FOR TRENCH INSTALLATION)

TYPE RVG-F (FRAME INSTALLATION)
TYPE RVG-T (TRENCH INSTALLATION)

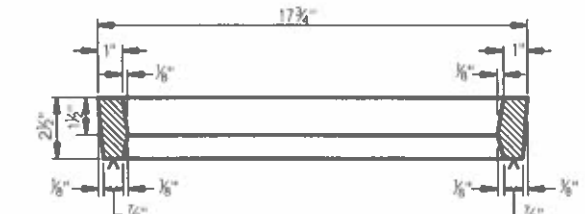


PLAN - VANE GRATE
(SHOWN FOR FRAME INSTALLATION)

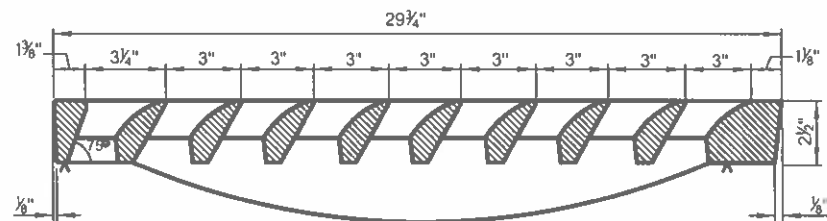
TYPE VG-F (FRAME INSTALLATION)
TYPE VG-T (TRENCH INSTALLATION)



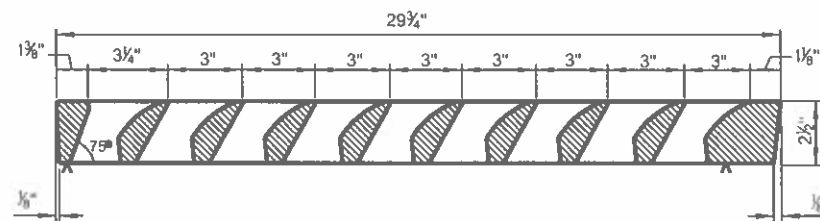
SECTION B - B (TRENCH INSTALLATION)



SECTION B - B (FRAME INSTALLATION)



SECTION A - A (TRENCH INSTALLATION)

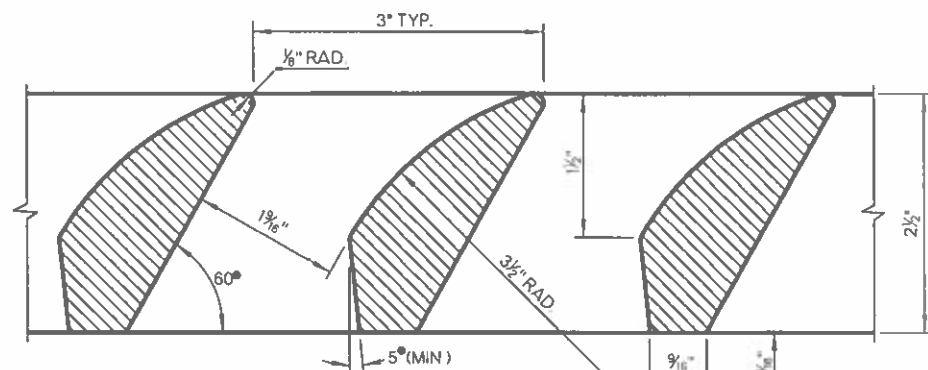


SECTION A - A (FRAME INSTALLATION)

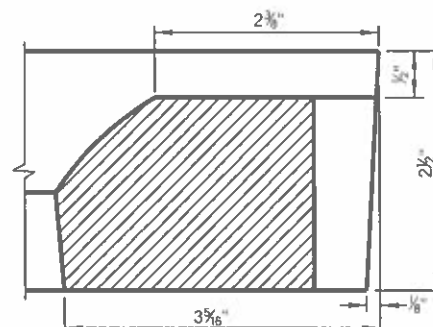
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. FRAME TYPE GRATES SHALL NOT TO BE USED IN TRENCH INSTALLATIONS.
3. GRATES SHALL BE INSTALLED IN THE FRAME WITH FLOW ARROW POINTING DOWNSTREAM OR TOWARD THE LOW POINT IN A SUMP.
4. ALL LETTERING IS TO BE RECESSED 1/16". ALL INFORMATION REQUIRED SHALL BE SUFFICIENT FOR IDENTIFICATION, AS SHOWN.
5. GRATES SHALL BE CAST STEEL, DUCTILE IRON, OR GRAY IRON CONFORMING TO SECTION 725 OF THE SPECIFICATIONS.
6. ALL GRATES INSTALLED IN A TRENCH FRAME (STD. SSIF-5) SHALL HAVE A BOLTED HOLD-DOWN FEATURE. IF INSTALLED IN AN ANGLE IRON FRAME OR RESTING ON A CONCRETE SHOULDER, A POSITIVE HOLD-DOWN FEATURE, APPROVED BY THE ENGINEER, SHALL BE USED.
7. INLET FRAMES, GRATES AND COVER GRATES INSTALLED DURING ORIGINAL CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE ORIGINAL INLET OR MANHOLE.

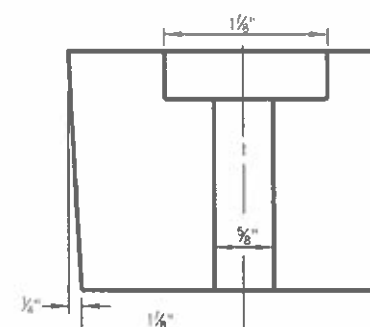
NOTE: MACHINING (SYMBOL Δ) MAY BE ACCOMPLISHED BY MILLING OR BY LEVEL GRINDING.



TYPICAL SECTION THRU VANES



SECTION C - C



END VIEW

BOLT SLOT DETAILS

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
611 (I)	REPLACEMENT OF INLET FRAME AND GRATE	EA
611 (K)	REPLACEMENT OF INLET GRATE (TYPE \blacksquare)	EA

▼ ANY FRAME TYPE GRATE ON THIS DRAWING INSTALLED IN A PROPER FRAME, AS SHOWN ON ROADWAY STANDARD SSIF-5 (TYPES A, B AND C) WILL COMPRISE THE PAY ITEM.

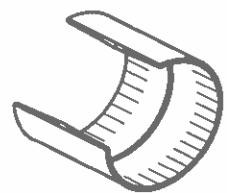
CAST INLET GRATE NOMENCLATURE	
TYPE VG-F	VANE GRATE - FRAME TYPE
TYPE VG-T	VANE GRATE - TRENCH TYPE
TYPE RVG-F	RIBBED VANE GRATE - FRAME TYPE
TYPE RVG-T	RIBBED VANE GRATE - TRENCH TYPE

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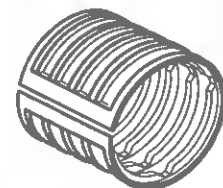


CAST IRON GRATES
(CURB INLETS)

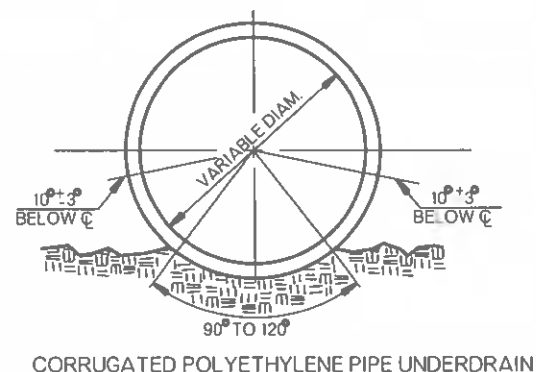
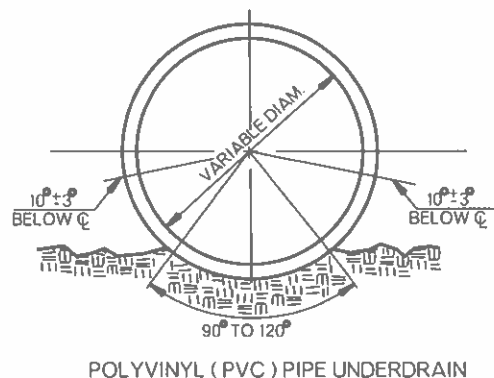
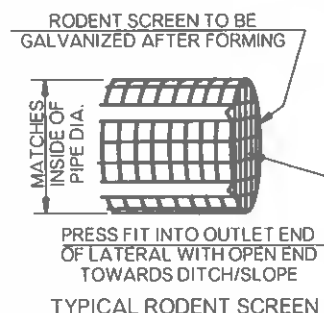
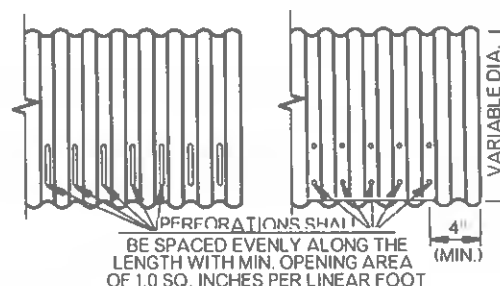
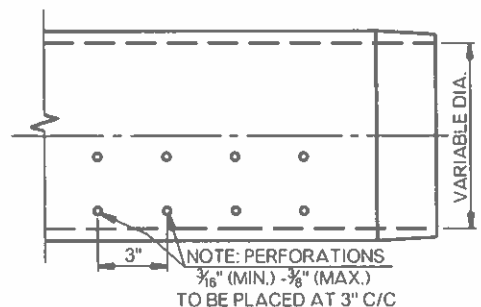
2019 SPECIFICATIONS



TYPICAL COUPLING FOR PVC PIPE UNDERDRAIN 1/4 SECTION REMOVED



TYPICAL CORRUGATED COUPLING OR AN APPROVED EQUAL



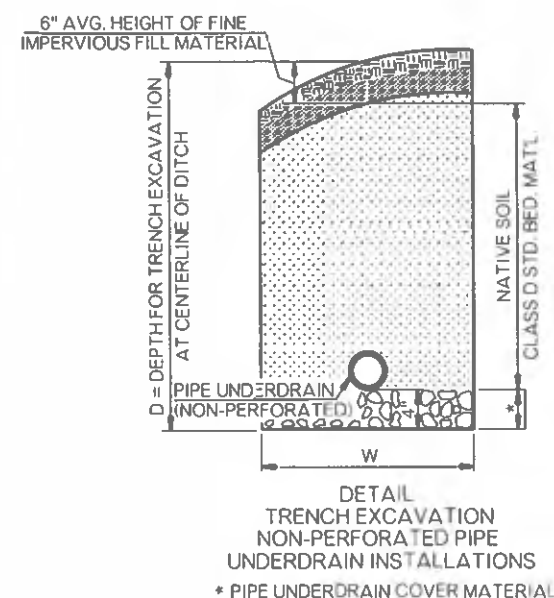
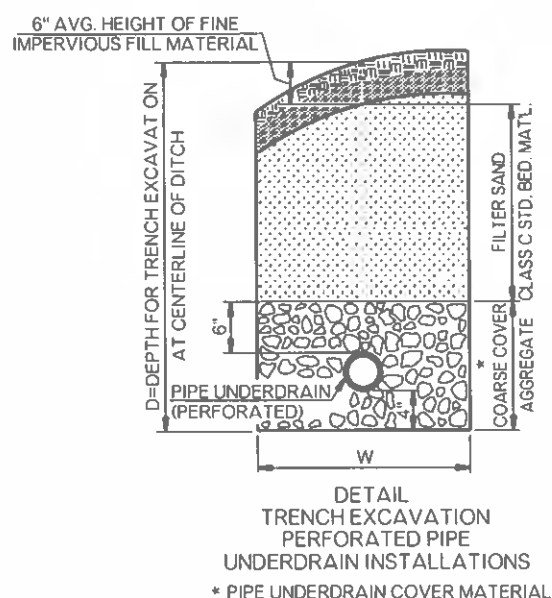
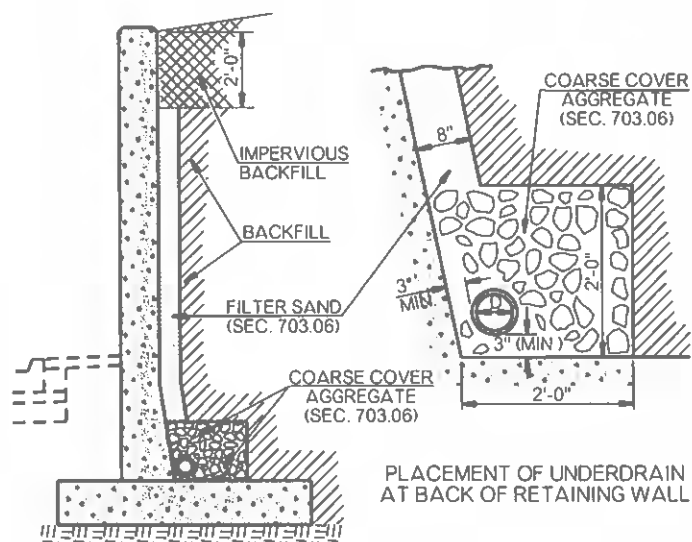
INSTALLATION TECHNIQUE: (12" DIAMETER OR SMALLER)

PERFORATED PIPE UNDERDRAIN, WHEN INSTALLED IN A TRENCH, SHALL BE BEDDED ON 4" OF COARSE COVER AGGREGATE. THE INSTALLED PIPE SHALL THEN BE CAREFULLY BACKFILLED WITH THE REMAINING COARSE COVER AGGREGATE TO 6" ABOVE THE TOP OF THE PIPE. FILTER SAND SHALL BE INSTALLED TO APPROXIMATELY 6" BELOW THE ORIGINAL NATURAL GROUND AS APPROVED BY THE ENGINEER. THE COARSE COVER AGGREGATE AND FILTER SAND SHALL BE PAID FOR AS PIPE UNDERDRAIN COVER MATERIAL AND SHALL CONFORM TO SEC. 703.06 OF THE SPECIFICATIONS.

NON-PERFORATED PIPE UNDERDRAIN, WHEN INSTALLED IN A TRENCH, SHALL BE BEDDED IN A 4" LAYER CONSISTING OF COARSE AGGREGATE COVER MATERIAL OR A 50-50 MIX OF COARSE AGGREGATE COVER MATERIAL AND FILTER SAND. THIS LAYER OF COVER MATERIAL SHALL CONFORM TO SEC. 703.06, AND SHALL BE PAID FOR AS PIPE UNDERDRAIN COVER MATERIAL. THE REMAINING BACKFILL MAY BE NATIVE SOIL REMOVED IN THE TRENCHING OPERATION. FILTER SAND OR BACKFILLED ACCORDING TO THE ENGINEER. COST TO BE INCLUDED IN OTHER ITEMS OF WORK. SEE GENERAL NOTE NUMBERS 5 & 6.

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
- THE EXTENT, LOCATION AND DEPTH OF DRAINS MAY BE ADJUSTED BY THE ENGINEER TO SUIT CONDITIONS FOUND DURING CONSTRUCTION.
- COST OF ALL FITTINGS TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE UNDERDRAIN.
- FOR PIPE UNDERDRAIN OF UP TO 12" IN DIAMETER, W = 24" WITHOUT SHEETING AND SHORING. W = 36" WHEN SHEETING AND SHORING IS USED. SEE ROADWAY STANDARD SPI-5 FOR SHEETING & SHORING NOTES.
- FOR PIPE UNDERDRAIN LARGER THAN 12" IN DIAMETER, SEE ROADWAY STANDARD SPI-5 FOR ADDITIONAL TRENCH EXCAVATION DETAILS.
- NON-PERFORATED UNDERDRAIN PIPES LARGER THAN 12", SHALL BE TREATED AS PIPE CONDUITS. I.E. PAY ITEMS SHALL CONSIST OF TRENCH EXCAVATION AND BEDDING MATERIAL. SEE STANDARD SPB-2.
- MATERIALS SHOWN HERE ARE TYPICAL ONLY AND ARE NOT THE ONLY CHOICE FOR SUBSURFACE DRAINAGE PURPOSES.
- OUTLET OPENING SHALL HAVE INSTALLED A REMOVABLE RODENT SCREEN HAVING A WIRE MESH DESIGN & 0.23" TO 0.50" (NOM.) SQUARE OPENINGS. SCREEN MATERIAL MAY BE STAINLESS STEEL OR GALVANIZED WITH WIRE THICKNESS OF BETWEEN 0.023" & 0.038". AFTER SHAPING AND FABRICATION RODENT SCREEN DESIGN SHALL BE APPROVED BY THE ENGINEER.
- THE FINAL SECTION OF THE OUTLET LATERAL CONDUIT SHALL BE NON-PERFORATED, SCHEDULE 40 OR TYPE S HIGH DENSITY POLYETHYLENE AND A MINIMUM 20'-0" IN LENGTH, INCLUDING COUPLINGS.
- FOR DETAILS OF OUTLET LATERAL HEADWALL, SEE ROADWAY STANDARD PED-4.



BASIS OF PAYMENT		
ITEM NO	ITEM	UNIT
613 (H)	PERFORATED PIPE UNDERDRAIN ROUND	LF
613 (I)	NON-PERFORATED PIPE UNDERDRAIN RND	LF
613 (Q)	OUTLET LATERAL HEADWALL	EA
613 (T)	STANDARD BEDDING MATERIAL, CLASS C	CY
613 (U)	PIPE UNDERDRAIN COVER MATERIAL	CY
613 (V)	TRENCH EXCAVATION	CY

■ DIMENSION TO BE SPECIFIED IN INCHES

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PIPE UNDERDRAIN INSTALLATION

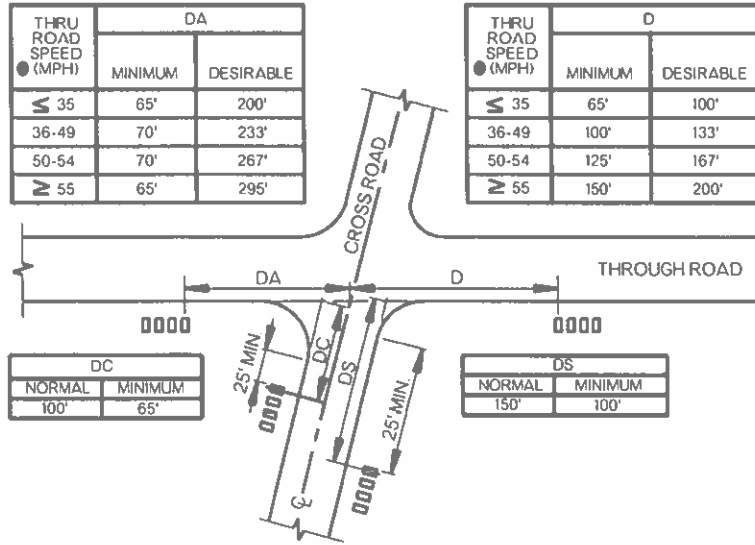
2019 SPECIFICATIONS

PUD-4

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● SPEED FACTOR MAY BE DESIGN SPEED, OBSERVED SPEED OR ASSIGNED SPEED BASED UPON PREDICTABLE GROWTH FACTORS OR PENDING IMPROVEMENTS

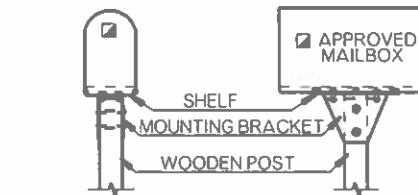


SUGGESTED MINIMUM CLEARANCE DISTANCES TO NEAREST MAILBOX IN MAIL STOPS AT INTERSECTIONS

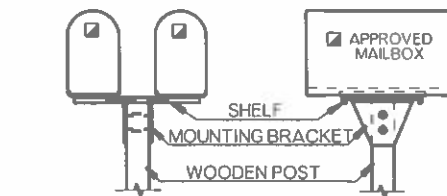
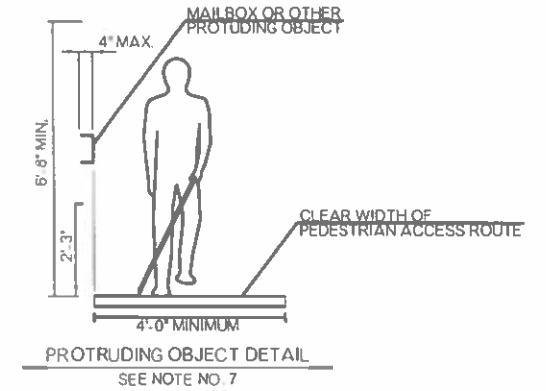
HIGHWAY TYPE AND TRAFFIC CONDITIONS	OFFSET TABLE			
	WIDTH OF ALL-WEATHER SURFACE OF TURNOUT OR AVAILABLE SHOULDER AT MAIL BOX		DISTANCE ROADSIDE FACE OF MAILBOX IS TO BE OFFSET BEHIND EDGE OF TURNOUT OR USABLE SHOULDER	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
RURAL HIGHWAY OVER 10,000 VPD	12'	8'	8' TO 12'	0
RURAL HIGHWAY 1,500 TO 10,000 VPD	12'	8'	8' TO 12'	0
RURAL HIGHWAY 400 TO 1,500 VPD	10'	8'	8' TO 12'	0
RURAL ROAD ADT UNDER 400 VPD	8'	6'	8' TO 12'	10"
RURAL ROAD ADT UNDER 50 VPD SPEED 40 MPH OR LESS	6'	2'	8' TO 12'	0
RESIDENTIAL STREET WITHOUT CURB OR ALL-WEATHER SHOULDER	6'	0	8' TO 12'	10" ●
CURBED STREET	NOT APPLICABLE		8' TO 12' BEHIND FACE OF CURB	6' BEHIND FACE OF CURB

ADT - AVERAGE DAILY TRAFFIC, THROUGH ROAD ONLY
 VPD - VEHICLES PER DAY
 ● IF TURNOUT IS PROVIDED, THIS MAY BE REDUCED TO ZERO.

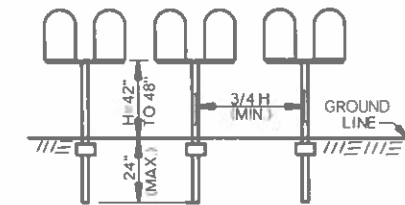
MAILBOX DESIGN TYPE	MAILBOX DIMENSIONS & SIZES		
	DIMENSIONS (NOM.)		
	LENGTH	WIDTH	HEIGHT
1	19"	6 1/2"	8 1/2"
1-A	21"	8"	10 1/2"
2	23 1/2"	11 1/2"	13 1/2"



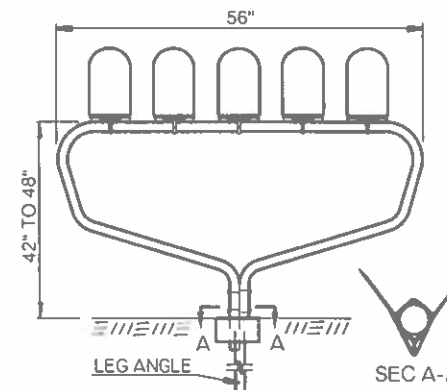
MAILBOX INSTALLATION - SINGLE WOODEN POST SUPPORT & BRACKET ASSEMBLY DETAILS



MAILBOX INSTALLATION - MULTIPLE (DOUBLE OR TWIN BOX)



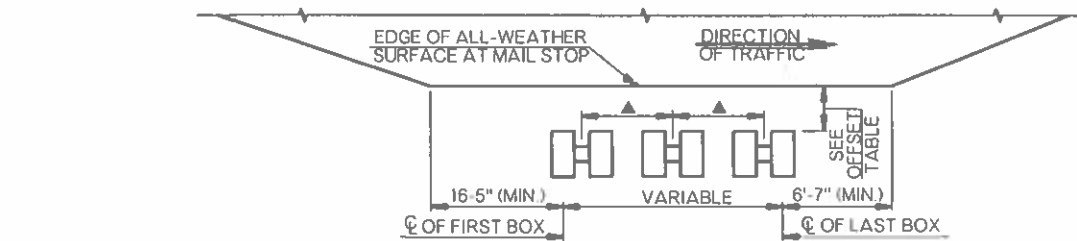
POST SPACING DETAIL MULTIPLE BOX INSTALLATION SINGLE POST SERIES



MAILBOX INSTALLATION - MULTIPLE (MULTIPLE BOX SUPPORT DETAILS) MAXIMUM NUMBER OF MAILBOXES = 5

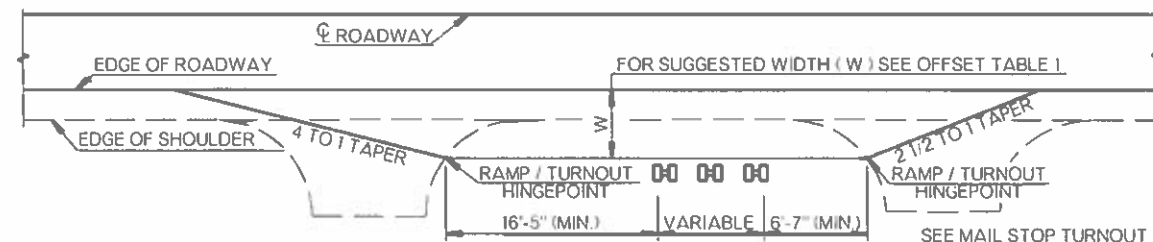
GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.
2. MAILBOX INSTALLATION, SINGLE OR MULTIPLE TYPE, SHALL BE OF A DESIGN AND MATERIAL THAT HAS BEEN CRASH-TESTED AND APPROVED. OTHER DESIGNS OR MAILBOX TYPES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
3. IF MAILBOX IS INSTALLED IN AN AREA WITH GUARDRAIL, MAILBOX AND/OR POST ASSEMBLY SHOULD BE BEHIND OR FLUSH WITH FACE OF RAIL.
4. PRODUCER AND CONTRACTOR SHALL AVOID PATENT INFRINGEMENT OF THE MAILBOX SUPPORT ASSEMBLY AND SHALL SAVE THE STATE HARMLESS IN THE USE OF ANY MAILBOX SUPPORT ASSEMBLY.
5. ALTERNATE WOODEN POST SUPPORT INSTALLATIONS MAY BE USED IN LIEU OF METAL PIPE SUPPORT UNITS IF WOODEN COMPONENTS CONFORM TO CURRENT SPECIFICATIONS.
6. PRICE OF EACH MAILBOX INSTALLATION, SINGLE OR MULTIPLE, INCLUDES PAYMENT FOR INSTALLATION OF THE POST SYSTEM, SUPPORT POST, ALL ATTACHMENT HARDWARE AND MOUNTING OF THE MAILBOX. PAYMENT FOR THE MAILBOX WILL BE PAID FOR BY THE EACH AND SEPARATELY FROM THE SUPPORT SYSTEM.
7. IF A MAILBOX IS INSTALLED BEHIND THE CURB, THEN A MINIMUM OF 4 FEET CLEAR CONTINUOUS SPACE MUST BE ALLOWED BETWEEN THE MAILBOX AND THE EXTREME OUTSIDE EDGE OF THE DESIGNATED PEDESTRIAN ACCESS ROUTE PER PROWAG (PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES).



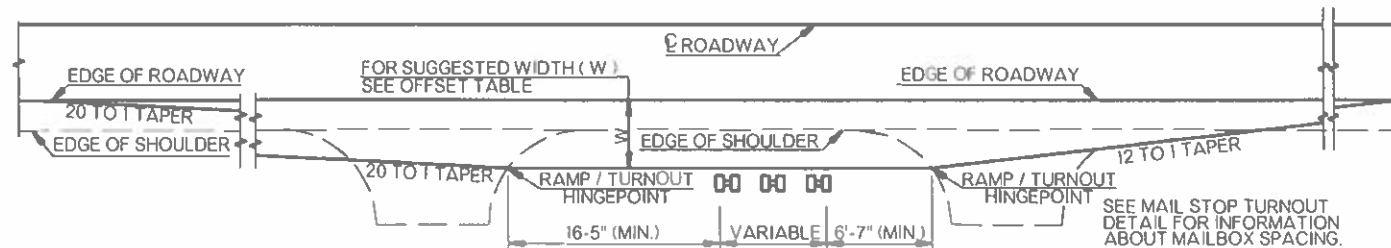
MAIL STOP TURNOUT DETAIL

▲ RECOMMENDED MINIMUM SPACING IS 3/4 OF THE DIMENSION FROM THE GROUND LINE TO THE BOTTOM OF THE MAILBOX



MAIL STOP LAYOUT

FOR ROADS CARRYING TRAFFIC AT 40 MPH OR LESS OR FOR LOCAL AND COLLECTOR ROADS



MAIL STOP LAYOUT

ROADS CARRYING TRAFFIC AT SPEED OVER 40 MPH

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
629 (A)	MAILBOX INSTALLATION - SINGLE	EA
629 (B)	MAILBOX INSTALLATION - MULTIPLE	EA
629 (C)	REMOVAL OF MAILBOX INSTALLATION	EA
629 (D)	REMOVE AND RESET MAILBOX	EA

MAILBOX DESIGN TYPE(S) AND LOCATION(S) SHALL BE SPECIFIED IN THE PLANS.

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 ROADWAY DESIGN DIVISION STANDARD



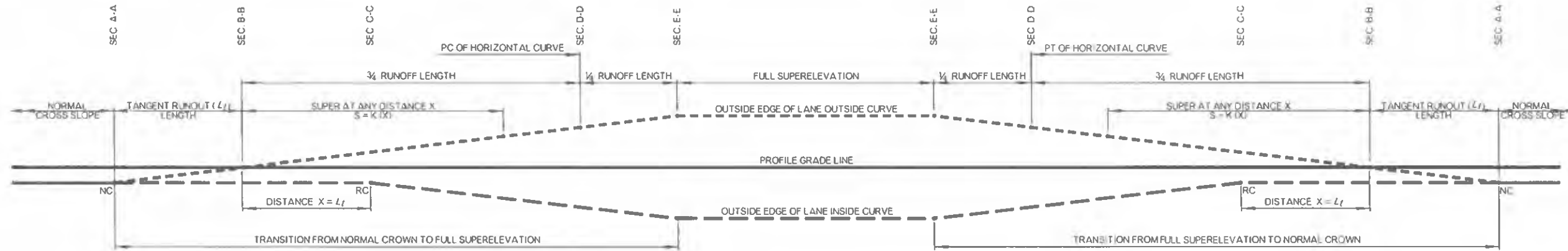
MAILBOX INSTALLATION

2019 SPECIFICATIONS

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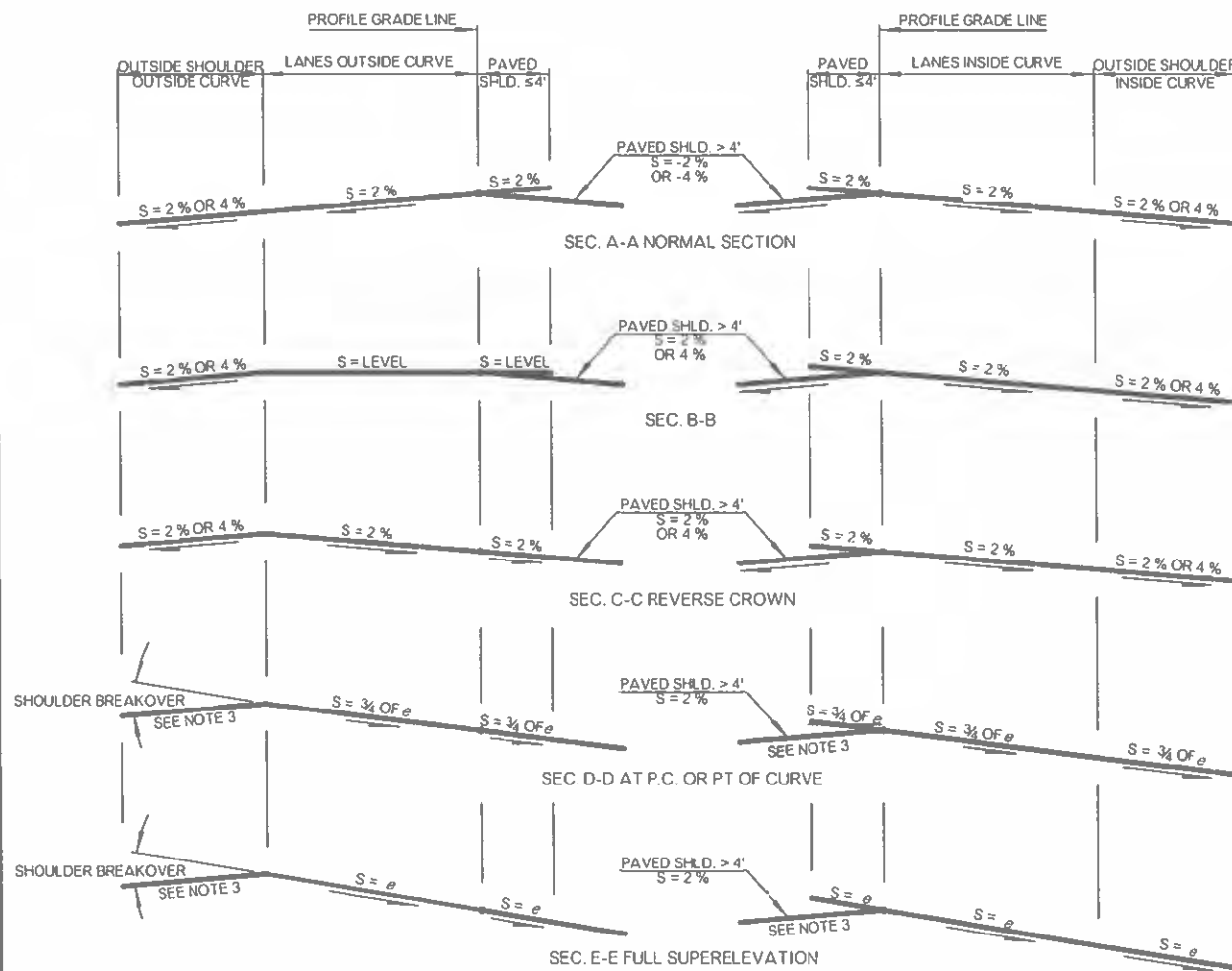
R-67



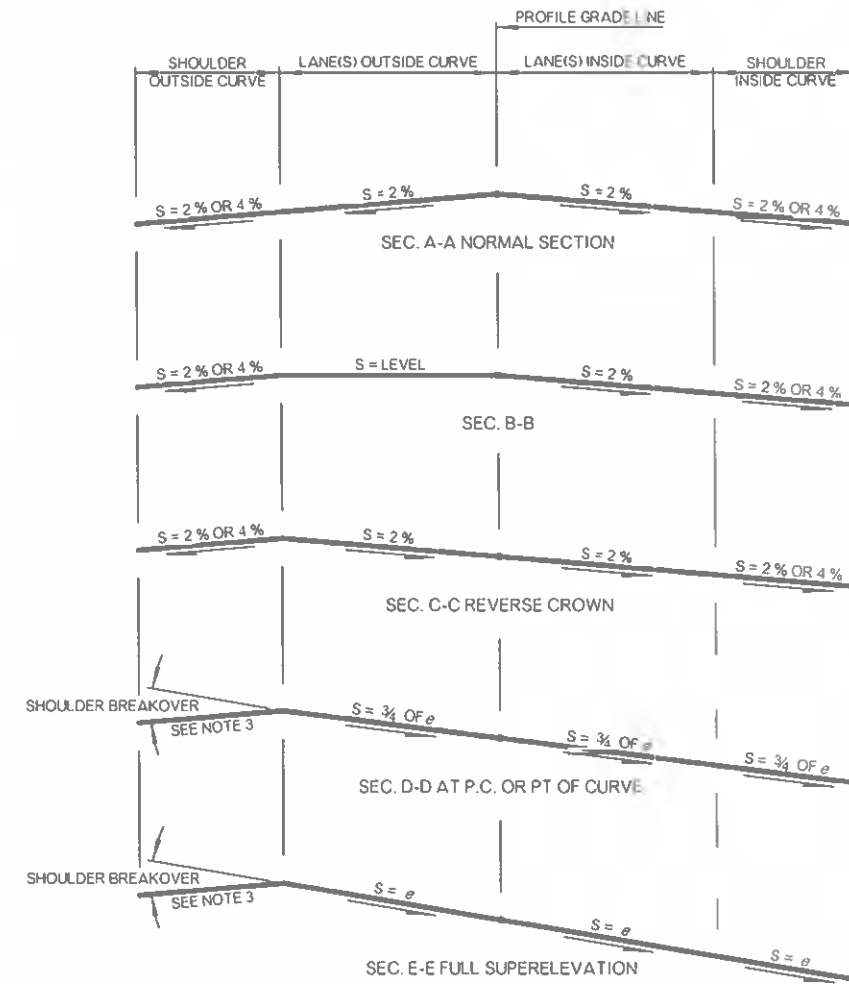
PROFILE FOR UNDIVIDED (CROWN SECTION) AND DIVIDED HIGHWAYS
 PROFILE GRADE IS FINISH GRADE LINE

RUNOFF LENGTH ADJUSTMENTS		
NUMBER OF LANES ROTATED	ADJUSTMENT FACTOR	LENGTH INCREASE RELATIVE TO 1 LANE
n_j	b_w	$n_j b_w$
1.0	1.00	1.00
1.5	0.83	1.25
2.0	0.75	1.50
2.5	0.70	1.75
3.0	0.67	2.00
3.5	0.64	2.25

SUPERELEVATION NOMENCLATURE
 b_w = ADJUSTMENT FACTOR FOR ROTATED LANES.
 e_d = DESIGN SUPERELEVATION RATE (%)
 L_r = MINIMUM LENGTH OF SUPERELEVATION RUNOFF
 L_t = MINIMUM LENGTH OF TANGENT RUNOUT
 n_j = NUMBER OF LANES ROTATED.
 NC = NORMAL CROWN
 RC = REVERSE CROWN
 S = CROSS SLOPE (%)
 V_d = DESIGN SPEED (MILES PER HOUR)
 $K = \frac{e_d V_d^2}{L_r}$ (FT/FT)



TYPICAL SECTIONS FOR DIVIDED HIGHWAYS
 NOTE: FOR DIVIDED HIGHWAYS WITH MEDIAN WIDTH GREATER THAN 46 FEET, TREAT EACH DIRECTION AS A SEPARATE ROADWAY.
 PROFILE GRADE IS FINISH GRADE LINE



TYPICAL SECTIONS FOR UNDIVIDED HIGHWAYS
 PROFILE GRADE IS FINISH GRADE LINE

- GENERAL NOTES**
- THIS STANDARD DRAWING PROVIDES BASIC GUIDELINES FOR SUPERELEVATION DEVELOPMENT FOR TWO OR FOUR LANE, OPEN ROADWAY CONDITIONS ONLY. FOR OTHER SUPERELEVATION DESIGN CRITERIA, SEE THE 2018 AASHTO "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS".
 - FOR CURVES WITH SPIRALS, RUNOFF LENGTH IS EQUAL TO SPIRAL LENGTH. WITH FULL SUPERELEVATION REACHED AT S.C. OR C.S. OF CURVE. CHECK RAMP GRADES AND SUPERELEVATION TRANSITIONS AT RAMP TERMINALS DURING STAKING AND MAKE ADJUSTMENTS AS REQUIRED TO OBTAIN SMOOTH PROFILES FOR BOTH EDGES OF THE RAMP PAVEMENT. CROSSOVER CROWN LINE BREAKOVER SHALL NOT EXCEED 5.0% (CALCULATED AS THE ALGEBRAIC DIFFERENCE IN CROSS SLOPES OF ADJACENT PAVEMENTS), WITHOUT THE APPROVAL OF ODOT ENGINEER.
 - IF PRACTICAL THE SHOULDER BREAKOVER SHOULD NOT EXCEED 0.07 FEET PER FOOT, CALCULATED AS THE ALGEBRAIC DIFFERENCE IN CROSS SLOPE OF PAVEMENT AND SHOULDER SURFACES. IT IS ACCEPTABLE FOR THE BREAKOVER TO BE 8% ROTATE SHOULDER TO MAINTAIN DESIRABLE BREAKOVER. CONTINUOUS SHOULDER CROSS SLOPE SHOULD BE AT LEAST 1% TO INSURE PROPER DRAINAGE.
 - CROSS SLOPE (S) IS NORMALLY SET AT 3/4 (75%) SUPER AT THE P.C. AND PT OF A CURVE, HOWEVER THE DESIGNER MAY ADJUST THIS PERCENTAGE TO BE FROM 60% TO 90%, TO ACCOMMODATE SITE CONDITIONS.
 - THE SUPERELEVATION TABLE FOR LOW SPEED URBAN STREETS MAY BE USED WHERE THE DESIGN SPEED IS NOT GREATER THAN 45 MPH.

SUPERELEVATION RATE GUIDELINES

- e_{max} = 6.0% ELEVATED OR INTERMITTENTLY ELEVATED ROADWAYS (BRIDGES, BOXES), ROADWAYS WITH FREQUENT SLOW MOVING VEHICLES, URBAN STREETS WHERE ROADSIDE DEVELOPMENT PRECLUDES HIGHER SUPERELEVATION RATE
- e_{max} = 8.0% DEPRESSED OR GROUND-LEVEL ROADWAYS; ROADWAYS ON STEEP OR LONG DOWNGRADES, ROADWAYS WHERE DRAINAGE CONSIDERATIONS ARE PRIMARY LOW VOLUME GRAVEL-SURFACED ROADS

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 ROADWAY DESIGN DIVISION STANDARD



SUPERELEVATION

SUPERELEVATION e _s	SUPERELEVATION TABLE (LOW SPEED URBAN STREETS)																					SUPERELEVATION e _s
	V _G = 15 mph			V _G = 20 mph			V _G = 25 mph			V _G = 30 mph			V _G = 35 mph			V _G = 40 mph			V _G = 45 mph			
	RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		RADIUS (FT.)	L _r (FT.)		
		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2		n ₁ =1	n ₁ =2	
-2.0% (NC)	50	31	46	107	32	49	198	34	51	333	36	55	510	39	58	762	41	62	1,039	44	67	-2.0% (NC)
2.0% (RC)	44	31	46	92	32	49	167	34	51	273	36	55	408	39	58	593	41	62	794	44	67	2.0% (RC)
2.2%	44	34	51	91	36	54	165	38	57	270	40	60	404	43	64	586	46	68	785	49	73	2.2%
2.4%	44	37	55	91	39	58	164	41	62	268	44	65	400	46	70	580	50	74	776	53	80	2.4%
2.6%	43	40	60	90	42	63	163	45	67	265	47	71	396	50	75	573	54	81	767	58	87	2.6%
2.8%	43	43	65	89	45	68	161	48	72	263	51	76	393	54	81	567	58	87	758	62	93	2.8%
3.0%	43	46	69	89	49	73	160	51	77	261	55	82	389	58	87	561	62	93	750	67	100	3.0%
3.2%	43	49	74	88	52	78	159	55	82	259	58	87	385	62	93	556	66	99	742	71	107	3.2%
3.4%	42	52	78	88	55	83	158	58	87	256	62	93	382	68	99	550	70	106	734	76	113	3.4%
3.6%	42	55	83	87	58	88	157	62	93	254	65	98	378	70	105	544	74	112	726	80	120	3.6%
3.8%	42	58	88	87	62	92	155	65	98	252	69	104	375	74	110	539	79	118	718	84	127	3.8%
4.0%	42	62	92	86	65	97	154	69	103	250	73	109	371	77	116	533	83	124	711	89	133	4.0%
4.2%	41	65	97	85	68	102	153	72	108	248	76	115	368	81	122	528	87	130	703	93	140	4.2%
4.4%	41	68	102	85	71	107	152	75	113	246	80	120	365	85	128	523	91	137	696	98	147	4.4%
4.6%	41	71	106	84	75	112	151	79	118	244	84	125	361	89	134	518	95	143	689	102	153	4.6%
4.8%	41	74	111	84	78	117	150	82	123	242	87	131	358	93	139	513	99	149	682	107	160	4.8%
5.0%	41	77	115	83	81	122	149	86	129	240	91	136	355	97	145	508	103	155	675	111	167	5.0%
5.2%	40	80	120	83	84	126	148	89	134	238	95	142	352	101	151	503	108	161	668	116	173	5.2%
5.4%	40	83	125	82	88	131	147	93	139	236	98	147	349	105	157	498	112	168	662	120	180	5.4%
5.6%	40	86	129	82	91	136	146	96	144	234	102	153	346	108	163	494	116	174	655	124	187	5.6%
5.8%	40	89	134	81	94	141	145	99	149	233	105	158	343	112	168	489	120	180	649	129	193	5.8%
6.0%	39	92	138	81	97	146	144	103	154	231	109	164	340	116	174	485	124	186	643	133	200	6.0%

NOTES - LOW-SPEED URBAN STREETS TABLE

1. THE VALUES LISTED ON THIS TABLE WERE CALCULATED USING DISTRIBUTION METHOD 2
2. SUPERELEVATION MAY BE OPTIONAL ON LOW-SPEED URBAN STREETS.
3. THE SUPERELEVATION RUNOFF LENGTH (L_r) WAS BASED ON THE NUMBER OF LANES ROTATED. SINGLE LANE ROTATED IS TYPICAL OF 2 LANE HIGHWAYS, AND TWO LANES ROTATED IS TYPICAL OF 4 LANE HIGHWAYS
4. FOR THE TANGENT RUNOUT LENGTH (L_r), USE THE FORMULA: $\frac{2.0\%(0.1)}{K}$, WHERE K IS $\frac{e \times 0.1}{L_r (FT)}$
5. VALUES OF RADIUS AND SUPERELEVATION RUNOFF LENGTHS SHALL NOT BE INTERPOLATED OR ROUNDED UP.

APPROVED BY ROADWAY ENGINEER: *[Signature]* DATE 6/30/22
ROADWAY DESIGN DIVISION STANDARD



SUPERELEVATION TABLE
LOW SPEED URBAN STREETS

2019 SPECIFICATIONS

ALL GENERAL NOTES SHOWN BELOW SHALL APPLY TO ALL OF THE STANDARD DRAWINGS IN TCS SERIES.

DESCRIPTION	REVISIONS	DATE
MODIFIED NOTES		3/15/2011

CONTRACTOR

ON CONSTRUCTION PROJECTS IT WILL BE THE CONTRACTORS RESPONSIBILITY TO INSTALL THE NECESSARY TRAFFIC CONTROL BEFORE CONSTRUCTION BEGINS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL DEVICES TO ASSURE A HIGH DEGREE OF BOTH DAY AND NIGHT VISIBILITY, WHICH WILL INCLUDE ANY WASHING, REPLACEMENT AND/OR REPOSITIONING WHERE DEEMED NECESSARY BY THE ENGINEER.

THE CONTRACTOR SHALL REPAIR OR REPLACE ANY NEW OR EXISTING PERMANENT STATE OWNED SIGNS WHICH ARE DAMAGED DUE TO HIS NEGLIGENCE OR CARELESS HANDLING DURING THE CONSTRUCTION OF THIS PROJECT. THIS SHALL BE DONE AT THE CONTRACTORS EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY TRAFFIC CONTROL WORK ZONE AND EXISTING PAVEMENT MARKINGS ON ALL ROADWAYS OPEN TO TRAFFIC WITHIN THE PROJECT. SUFFICIENT QUANTITIES HAVE BEEN PROVIDED FOR MAINTAINING PAVEMENT MARKINGS FOR PRESCRIBED DETOUR ROUTES WHEN DEEMED NECESSARY BY THE ENGINEER.

SIGN MATERIALS

ALL SIGN BLANK MATERIALS SHALL BE THE OPTION OF THE CONTRACTOR BUT SHALL BE OF SUCH MATERIAL THAT WILL RETAIN A SATISFACTORY APPEARANCE THROUGHOUT THE LIFE OF THE PROJECT.

ALL SIGNS, LIGHTS, FLAGS, ETC. SHALL CONFORM IN SIZE, SHAPE, COLOR, LEGENDS AND APPLICATIONS TO THE STANDARDS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND/OR OKLAHOMA STATE STANDARD DRAWINGS FOR SIGNS. STANDARD DRAWINGS ARE AVAILABLE FROM THE DEPARTMENT OF TRANSPORTATION. INTERPRETATIONS THAT MAY BE NECESSARY SHALL BE REFERRED TO THE ENGINEER.

SIGN SHEETING

REFLECTORIZATION OF TRAFFIC CONTROL DEVICES SHALL BE BY MEANS OF WIDE ANGLE, FLAT TOP REFLECTIVE SHEETING MEETING THE REQUIREMENTS OF 2009, OKLAHOMA STANDARD SPECIFICATIONS.

SIGN INSTALLATION

ALL SIGNS SHALL BE SECURELY PLACED OR WEIGHTED TO PREVENT BLOWING OVER. ROCKS, BROKEN CONCRETE OR OTHER SUCH OBJECTS SHALL NOT BE CONSIDERED AN ACCEPTABLE SUBSTITUTE FOR SAND BAGS WHEN USED TO OBTAIN ADDED STABILITY FOR MOVABLE SIGNS AND BARRICADES.

SPACING OF SIGNING, ON THE PLANS OR TCS STANDARDS, SHOULD BE NO LESS THAN THE DISTANCES SHOWN. THE DISTANCE BETWEEN SIGNS SHOULD BE INCREASED ON HIGH SPEED OR MORE HEAVILY TRAVELED HIGHWAYS, OR WHERE SIGHT DISTANCE IS RESTRICTED.

IN ALL CONSTRUCTION ZONES, THE 48 INCH X 48 INCH WARNING SIGNS SHALL HAVE ATTACHED THERETO FLORESCENT FLAGS AND TYPE "A" WARNING LIGHTS. THIS SHALL ALSO APPLY WHEN SIGNS ARE USED ON BOTH SIDES OF THE ROADWAY. ADDITIONAL FLASHING LIGHTS MAY BE REQUIRED WHEN SO DESIRED BY THE ENGINEER.

ALL DIAMOND SHAPED CONSTRUCTION WARNING SIGNS ON EXPRESSWAYS OR FREEWAYS SHALL BE 48 INCH X 48 INCH, WITH THE APPROPRIATE ADVISORY SIGN WHERE REQUIRED UNLESS OTHERWISE NOTED IN THE PLANS.

DUE TO THE TEMPORARY NATURE OF CONSTRUCTION, SIGNS WHICH ARE 33 S.F. AND OVER WILL HAVE NO REINFORCING STEEL IN THEIR FOOTINGS.

ALL SIGNS AND SIGN ASSEMBLIES WITH A TOTAL SURFACE AREA OF 10 S.F. OR MORE SHALL BE INSTALLED ON TWO (2) POSTS. THE EXCEPTION BEING SINGLE ROUTE MARKER ASSEMBLIES.

SIGNS MOUNTED ON BARRICADES SHALL BE MOUNTED AS HIGH AS NECESSARY TO BE VISIBLE.

BARRICADES

ONE (1) WING BARRICADE SHALL BE SET ON EACH SIDE OF THE ROADWAY IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE EXCEPTIONS ARE MINOR CROSS STREETS AND SECTION LINE ROADS WHICH INTERSECT THE WORK AREA.

WING BARRICADES SHALL BE INSTALLED ON TWO (2) BREAKAWAY POSTS.

WORK DURATION

THE FIVE CATEGORIES OF WORK DURATION AND THEIR TIME AT A LOCATION SHALL BE:
A) LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 DAYS.
B) INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
C) SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
D) SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
E) MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.

LIGHTING

TYPE "A" WARNING LIGHTS SHALL BE USED ON BARRICADES (AS REQUIRED) AND WARNING SIGNS.

TYPE "C" WARNING LIGHTS MAY BE USED ON VERTICAL PANELS (OPTIONAL).

CONSTRUCTION NOTES

SHOULD THE REQUIRED WORK ON ANY PROJECT, INCLUDING ANY TRAFFIC CONTROL, OVERLAP OR OTHERWISE INTERFERE WITH THE ON-GOING WORK OR TRAFFIC CONTROL OF ANOTHER PROJECT, IT SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTORS TO COORDINATE THEIR WORK ACTIVITIES TO FACILITATE THE SAFE MOVEMENT OF TRAFFIC THROUGHOUT OR AROUND THEIR COLLECTIVE WORK AREAS. ANY SUCH RECOMMENDED CHANGES SHALL BE SUBMITTED IN WRITING TO EACH PROJECT RESIDENT ENGINEER FOR REVIEW AND APPROVAL.

ALL TRAFFIC CONTROL DEVICES NOT REQUIRED FOR THE SAFE CONDUCT OF TRAFFIC THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE SHALL BE PROMPTLY REMOVED, COMPLETELY COVERED, TURNED AWAY FROM TRAFFIC OR OTHERWISE TAKEN OUT OF SERVICE. DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN 15 FEET (15') OF AN OPEN DRIVING LANE, EITHER BEFORE OR AFTER THEY ARE TO BE USED UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. THESE DEVICES SHALL BE REMOVED FROM THE TEMPORARY TRAFFIC CONTROL ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS 15 FEET (15') SETBACK, THE CONTRACTOR SHALL DETERMINE ALTERNATE LOCATIONS AND REQUEST THE ENGINEERS APPROVAL TO USE THEM.

TRAFFIC CONTROL DEVICES, WARNING DEVICES, AND BARRIERS SHALL BE KEPT IN CORRECT POSITION, PROPERLY DIRECTED, CLEARLY VISIBLE AND CLEAN AT ALL TIMES. DAMAGED, DEFACED OR DIRTY DEVICES OR BARRICADES SHALL IMMEDIATELY BE REPAIRED, REPLACED OR CLEANED BY THE CONTRACTOR AND APPROVED FOR USE BY THE ENGINEER.

NO EQUIPMENT OR VEHICLES BELONGING TO THE CONTRACTOR, HIS SUB-CONTRACTORS OR EMPLOYEES SHALL BE PARKED OR STOPPED WITHIN 30 FEET (30') OF A LANE CARRYING TRAFFIC, AT ANY TIME, UNLESS REQUIRED BY ONGOING WORK OPERATIONS.

ALL DETOURS AND DIVERSIONS SHOULD BE IN PLACE, WITH SIGNING, STRIPING AND CHANNELIZING DEVICES AS SHOWN IN THE PLANS OR STANDARD DRAWINGS, BEFORE THEY ARE OPENED TO TRAFFIC.

WHEN IT BECOMES NECESSARY TO CLOSE THE ROAD TO THROUGH TRAFFIC, NO LESS THAN SEVEN DAYS PRIOR TO THE CLOSURE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING INDIVIDUALS OR AGENCIES DESCRIBING THE AFFECTED ROAD AND THE APPROXIMATE DURATION OF THE CLOSURE. THOSE TO BE NOTIFIED INCLUDE BUT ARE NOT LIMITED TO 1) LOCAL LAW ENFORCEMENT OFFICIALS, 2) LOCAL FIRE OFFICIALS, 3) AMBULANCE SERVICES, 4) LOCAL SCHOOL SUPERINTENDENT, 5) UNITED STATES POSTAL SERVICE, AND 6) CITY OR COUNTY ROAD SUPERINTENDENT.

ALL TEMPORARY TRAFFIC CONTROL DEVICES, AND THEIR CONDITIONS THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT, SHALL MEET O.D.O.T.'S LATEST "QUALITY STANDARDS FOR TEMPORARY TRAFFIC CONTROL DEVICES". THE O.D.O.T. RESIDENT ENGINEER WILL MAKE FINAL DECISION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES BASED ON THE O.D.O.T. GUIDELINES.

NO GENDER BIAS SIGNS ARE ALLOWED.

ARROW DISPLAY

USE OF AN ARROW DISPLAY, IN THE ARROW OR CHEVRON MODE, SHALL BE LIMITED TO STATIONARY OR MOVING LANE CLOSURES.

AN ARROW DISPLAY, IN THE CAUTION MODE, SHALL BE USED ONLY FOR SHOULDER WORK, BLOCKING THE SHOULDER, ROADSIDE WORK NEAR THE SHOULDER, OR FOR MOBILE OPERATIONS (I.E. STRIPING).

AN ARROW DISPLAY IN THE ARROW OR CHEVRON MODE, SHALL NOT BE USED ON A TWO-LANE, TWO-WAY ROADWAY FOR TEMPORARY ONE-LANE OPERATION.

AN ARROW DISPLAY SHALL NOT BE USED ON A MULTI-LANE ROADWAY TO LATEROALLY SHIFT TRAFFIC.

CHANNELIZING DEVICES

IN THOSE AREAS WHERE DRIVERS ARE ASKED TO MAKE A DECISION OR MUST BE GUIDED THROUGH A PRECISE MOVEMENT, BY USE OF CHANNELIZING DEVICES, IT IS ESPECIALLY IMPORTANT TO PROVIDE A CLEARLY DEFINED PATH. EXAMPLES OF THIS COULD BE IN DELINEATING A TEMPORARY GORE OR TURNING RADIUS. IN SUCH AREAS THE SPACING OF CHANNELIZING DEVICES MAY BE REDUCED TO 10 FEET FOR SPEEDS OF 40 M.P.H. OR LESS, AND 20 FEET FOR SPEEDS GREATER THAN 40 M.P.H.

WHEN CHANNELIZING DEVICES ARE USED TO DIRECT TRAFFIC ACROSS EXISTING LANE LINES OR EDGE LINES, THE SPACING BETWEEN CHANNELIZING DEVICES SHALL BE REDUCED 50%. SPACING SHOULD ALSO BE REDUCED WHEN CHANNELIZING DEVICES ARE PLACED ON CURVES, HILLS, OR NEXT TO POTENTIAL HAZARDS.

ALL TRAFFIC CONTROL CHANNELIZING DEVICES SHALL MEET MUTCD COLOR REQUIREMENTS.

FLAGGERS

FLAGGERS MUST BE CLEARLY VISIBLE TO APPROACHING TRAFFIC FOR A DISTANCE SUFFICIENT TO PERMIT PROPER RESPONSE BY MOTORISTS TO THE FLAGGING INSTRUCTIONS, AND TO PERMIT TRAFFIC TO REDUCE SPEED OR STOP BEFORE ENTERING THE TEMPORARY TRAFFIC CONTROL ZONE. FLAGGERS SHALL BE POSITIONED TO MAINTAIN MAXIMUM COLOR CONTRAST BETWEEN THE FLAGGER'S REFLECTIVE CLOTHING AND EQUIPMENT AND THE WORK AREA BACKGROUND.

DURING HOURS OF DARKNESS, FLAGGER STATIONS SHALL BE ILLUMINATED SUCH THAT THE FLAGGER WILL BE CLEARLY VISIBLE TO APPROACHING TRAFFIC. LIGHTS TO BE USED FOR ILLUMINATING THE STATION SHALL BE APPROVED BY THE ENGINEER. REFLECTORIZED PADDLES AND REFLECTORIZED VESTS, SHIRTS OR JACKETS SHALL BE USED FOR NIGHTTIME FLAGGING.

UNLESS OTHERWISE SPECIFIED IN THE PLANS, THE COST OF FLAGGING OPERATIONS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

MINIMUM STANDARDS FOR TRAFFIC CONTROL DEVICES

- (1) WARNING LIGHTS (TYPE A FLASHERS AND TYPE C STEADY BURN)
 - (A) NOT LESS THAN NINETY (90) PERCENT OF THE TOTAL NUMBER OF LIGHTS BEING USED AT ANY ONE TIME SHALL BE FULLY OPERATIONAL.
 - (B) NOT MORE THAN THREE (3) LIGHTS ADJACENT TO ONE ANOTHER SHALL BE FAILING.
- (2) ARROW DISPLAY
 - (A) WHEN IN ARROW MODE, NO MORE THAN TWO (2) LAMPS IN THE STEM AND ZERO (0) LAMPS IN THE HEAD SHALL BE FAILING. THE DIMMING FUNCTION SHALL BE OPERATING PROPERLY.
 - (B) WHEN IN CAUTION MODE (CORNERS), A MINIMUM OF FOUR (4) LAMPS SHALL BE OPERATIONAL. THE DIMMING FUNCTION SHALL BE OPERATING PROPERLY.
 - (C) ANY LAMP WHICH IS LIGHTED BUT IMPROPERLY ALIGNED SHALL NOT BE CONSIDERED OPERATIONAL.
- (3) CHANGEABLE MESSAGE SIGNS
 - (A) NOT LESS THAN NINETY (90) PERCENT OF THE PIXELS SHALL BE FUNCTIONAL IN EACH CHARACTER MODULE.
 - (B) NO SANBAG BALLASTING OVER 3 FEET IN HEIGHT.
- (4) PAVEMENT MARKING TAPE
 - (A) NOT MORE THAN TEN (10) PERCENT OF ALL TAPE, PAINT, MESSAGE OR SYMBOL SHALL BE MISSING.
 - (B) NOT MORE THAN TWO (2) CONSECUTIVE DASHED LINES SHALL BE MISSING.
 - (C) NOT MORE THAN FIFTY (50) CONTINUOUS FEET OF A SOLID LINE SHALL BE MISSING.
- (5) CONSTRUCTION ZONE PAVEMENT MARKERS
 - (A) NOT MORE THAN TEN (10) PERCENT OF THE TOTAL NUMBER OF MARKERS SHALL BE MISSING.
 - (B) NOT MORE THAN THREE (3) CONSECUTIVE MARKERS SHALL BE MISSING.

STRIPING

WHENEVER THE WORK CAUSES THE OBLITERATION OF PAVEMENT MARKINGS, EITHER TEMPORARY OR PERMANENT MARKINGS SHALL BE IN PLACE PRIOR TO OPENING THE ROADWAY TO TRAFFIC. CENTERLINE PAVEMENT MARKINGS SHALL BE PROVIDED AT ALL TIMES FOR ROADWAYS OPEN TO TRAFFIC.

THE APPLICATION SURFACES FOR PAVEMENT MARKINGS SHALL BE FREE OF DUST, DIRT, MOISTURE OR OTHER FOREIGN MATTER WHICH WOULD INTERFERE WITH ADHESION. INSTALLATION OF ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

ALL TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED IMMEDIATELY AHEAD OF THE PERMANENT STRIPING OPERATIONS OR RE-STRIPING FOR FOLLOWING CONSTRUCTION PHASES.

WHEN REMOVABLE PAVEMENT MARKINGS TAPE IS TO BE INSTALLED ON NEW CONCRETE PAVEMENT, THE CURING COMPOUND SHALL BE REMOVED PRIOR TO INSTALLATION.

IF REMOVABLE PAVEMENT MARKING TAPE IS INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND FAILS DURING THE FIRST SIX MONTHS OF SERVICE, IT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. REPLACEMENT SHALL BE ACCOMPLISHED IN A TIMELY MANNER UPON BEING NOTIFIED, BY THE ENGINEER, OF SUCH FAILURE.

PILOT CAR

WHEN LANE CLOSURES ARE REQUIRED ON TWO-LANE / TWO-WAY ROADWAYS, THE CONTRACTOR MAY, AT HIS OPTION, UTILIZE A PILOT CAR. IF THE CONTRACTOR ELECTS TO USE A PILOT CAR, CHANNELIZING DEVICES ALONG THE CENTERLINE WILL NOT BE REQUIRED. THE PILOT CAR OPERATOR SHALL BE IN RADIO CONTACT WITH PERSONNEL IN THE TEMPORARY TRAFFIC CONTROL ZONE. MAXIMUM SPEED OF THE PILOT CAR THROUGH THE WORK AREA SHALL BE 25 M.P.H. FULL COMPENSATION FOR FURNISHING AND OPERATING THE PILOT CAR, (INCLUDING DRIVER, RADIOS, AND ANY OTHER EQUIPMENT OR LABOR REQUIRED) SHALL BE CONSIDERED AS INCLUDED IN THE COST OF OTHER ITEMS OF WORK.

MISCELLANEOUS

TRAFFIC CONDITIONS MAY NECESSITATE CHANGES IN THE USE AND/OR QUANTITIES OF THE TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS OR IN THE STANDARDS. ANY SUCH CHANGES ARE SUBJECT TO APPROVAL BY THE ENGINEER.

ALL CHANNELIZING DEVICES PROVIDED ON THIS PROJECT SHALL BE IN GOOD CONDITION AND SHALL BE APPROVED FOR USE ON THIS PROJECT BY THE ENGINEER.

THE REGULATORY SPEED LIMITS THROUGH THE WORK ZONE MAY BE ADJUSTED AT THE DISCRETION OF THE ENGINEER WITH THE DOCUMENTED APPROVAL OF THE DIVISION ENGINEER IN ACCORDANCE WITH TITLE 47 OF THE OKLAHOMA MOTOR VEHICLE LAWS.

THE TERMINATION AREA EXTENDS FROM THE DOWNSTREAM END OF THE WORK AREA TO THE TEMPORARY TRAFFIC CONTROL DEVICE SUCH AS "END ROAD WORK" SIGNS, IF POSTED. A SPEED SIGN, OR OTHER SIGNS MAY BE USED TO INFORM ROAD USERS THAT THEY CAN RESUME NORMAL OPERATIONS.

THE CONSTRUCTION SIGNING AND BARRICADE CONTRACTOR SHOULD AFFIX THEIR COMPANY NAME AND/OR LOGO INCONSPICUOUSLY ON EACH TRAFFIC CONTROL DEVICE.



APPROVED BY TRAFFIC ENGINEER: *[Signature]* DATE: 3/21/11

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
TRAFFIC CONTROL CONSTRUCTION NOTES

2009 SPECIFICATIONS

TCS1-1 01

T-501

\$\$\$done\$\$\$

TAPER LENGTH CRITERIA FOR WORK ZONES

SPEED LIMIT M.P.H.	FORMULA	TAPER LENGTH (MINIMUM) (FT)			NUMBER OF CHANNELIZING DEVICES REQUIRED (MINIMUM)			SPACING CHANNELIZING DEVICES REQUIRED (MAXIMUM)		MAXIMUM HORIZONTAL ALIGNMENT THRU DETOUR (DEGREE) (S=0)	SPEED LIMIT M.P.H.
		10' OFFSET	11' OFFSET	12' OFFSET	10' OFFSET	11' OFFSET	12' OFFSET	① THRU TAPER SECTION (FT.)	② THRU TANGENT SECTION (FT.)		
20	$L = \frac{W + S^2}{60}$	70	75	80	5	5	5	20	40	—	20
25		105	115	125	6	6	6	25	50	—	25
30		150	165	180	6	7	7	30	60	15	30
35		205	225	245	7	8	8	35	70	11	35
40	$L = W \times S$	265	295	320	8	9	9	40	80	8	40
45		450	495	540	11	12	13	45	90	6	45
50		500	550	600	11	12	13	50	100	5	50
55		550	605	660	12	14	15	50	100	4	55
60		600	660	720	13	15	16	50	100	3	60
65		650	715	780	14	16	17	50	100	2.5	65
70		700	770	840	15	17	18	50	100	2	70
75		750	825	900	16	18	19	50	100	1.8	75

NOTES:

① RECOMMENDED SIGNING TO BE USED THRU LANE TAPER IS (1) CW1-B ON EVERY OTHER DRUM.

② RECOMMENDED SIGNING TO BE USED THRU TANGENT LANES IS (1) R4-7A(1) OR (1) R4-7A(1) (AS APPLIES) ON EVERY OTHER DRUM.

L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85 PERCENTILE SPEED IN MPH

TYPE OF TAPER
UPSTREAM TAPERS
MERGING TAPER
SHIFTING TAPER
SHOULDER TAPER
TWO-WAY TRAFFIC TAPER

TAPER LENGTH
L MINIMUM
1/2 L MINIMUM
1/3 L MINIMUM
100 FEET MAXIMUM

DOWNSTEAM TAPERS
(USE IS OPTIONAL)
100 FEET PER LANE

FLARE RATES FOR CONCRETE MEDIAN BARRIER IN TEMPORARY TRAFFIC CONTROL ZONES

SPEED *	FLARE RATE (MINIMUM)
40 M.P.H.	9 TO 1
45 M.P.H.	10 TO 1
50 M.P.H.	11 TO 1
55 M.P.H.	12 TO 1
60 M.P.H.	13 TO 1
65 M.P.H.	14 TO 1
70 M.P.H.	15 TO 1
75 M.P.H.	16 TO 1

* POSTED SPEED LIMIT PRIOR TO CONSTRUCTION

PAVEMENT MARKINGS THROUGH TEMPORARY TRAFFIC CONTROL ZONE

	DRIVING SURFACE	FLEX TAB MARKERS	TAPE (REMOVABLE)	TAPE (NON-REMOVABLE)	PAINT	CONSTRUCTION ZONE PAVEMENT MARKERS
ASPHALT	EXISTING PAVEMENT TO BE REMOVED OR OVERLAYED IN THE NEXT PHASE	X	X	X	X	X
	EXISTING PAVEMENT TO BE LEFT IN PLACE THRU THE NEXT PHASE	X	X			X
	INTERMEDIATE LIFT	X	X	X	X	X
	MILLED SURFACE	X	X	X	X	X
	FINAL LIFT	X	X			
CONCRETE	EXISTING PAVEMENT TO BE REMOVED OR OVERLAYED IN THE NEXT PHASE	X	X	X	X	X
	EXISTING PAVEMENT TO BE LEFT IN PLACE THRU THE NEXT PHASE	X	X			X
	FINAL SURFACE	X	X		X	X

NOTE: USE OF NON-REMOVABLE TAPE (FOILBACK) SHALL BE LIMITED TO THOSE CONDITIONS SHOWN IN THE TABLE.

RECOMMENDED CLEAR ZONE DISTANCE (FT) (CONSTRUCTION WORK ZONES)

DESIGN SPEED	DESIGN ADT	FILL SLOPES			CUT SLOPES		
		6:1 OR FLATTER	5:1 OR 4:1	3:1	3:1	4:1 OR 5:1	6:1 OR FLATTER
40 MPH OR LESS	UNDER 750	4	4		4	4	4
	750-1500	5	6		5	5	5
	1500-6000	6	7		6	6	6
	OVER 6000	7	8		7	7	7
45-50 MPH	UNDER 750	5	6		4	4	5
	750-1500	7	8		5	6	7
	1500-6000	8	10		6	7	8
	OVER 6000	10	12		7	9	10
55 MPH	UNDER 750	6	7		4	5	5
	750-1500	8	10		5	7	8
	1500-6000	10	12		7	8	10
	OVER 6000	11	13		8	10	11
60 MPH	UNDER 750	8	10		5	6	7
	750-1500	10	13		6	8	10
	1500-6000	13	16 *		7	9	12
	OVER 6000	15	18 *		10	12	13
65-70 MPH	UNDER 750	9	10		5	7	7
	750-1500	12	14		6	9	10
	1500-6000	14	17 *		8	11	13
	OVER 6000	15	19 *		11	13	14

SEE NOTE 3

NOTES:
* THE CLEAR ZONE MAY BE LIMITED TO 15 FEET FOR PRACTICALITY AND TO PROVIDE A CONSISTENT ROADWAY TEMPLATE.

(1) ALL DISTANCES ARE MEASURED FROM EDGE OF THE TRAVEL LANE.

(2) FOR CLEAR ZONES, THE "DESIGN ADT" WILL BE THE TOTAL ADT ON TWO-WAY ROADWAYS AND DIRECTIONAL ADT ON ONE-WAY ROADWAYS (E.G., RAMP AND ONE ROADWAY OF A DIVIDED HIGHWAY).

(3) FILL SLOPES WHICH ARE 3:1 OR STEEPER ARE CRITICAL AND MAY REQUIRE A BARRIER, THEREFORE THERE IS NOT A CLEAR ZONE APPLICATION.

STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

SPEED * (MPH)	LENGTH (FEET)
20 M.P.H.	115
25 M.P.H.	155
30 M.P.H.	200
35 M.P.H.	250
40 M.P.H.	305
45 M.P.H.	360
50 M.P.H.	425
55 M.P.H.	495
60 M.P.H.	570
65 M.P.H.	645
70 M.P.H.	730
75 M.P.H.	820

* POSTED SPEED, OFF-PEAK 85th PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED.

CROSSOVER CRITERIA FOR WORK ZONES

WIDTH OF MEDIAN (W) (FT)	LATERAL SHIFT - (P) (FT)	LENGTH OF CROSSOVER - LC * (FT)										
		V.	30 M.P.H.	35 M.P.H.	40 M.P.H.	45 M.P.H.	50 M.P.H.	55 M.P.H.	60 M.P.H.	65 M.P.H.	70 M.P.H.	75 M.P.H.
		D.	15°	11°	8°	6°	5°	4°	3°	2.5°	2°	1.8°
20	32	R.	382	521	716	955	1146	1433	1910	2292	2865	3183
30	42		219	256	301	348	382	427	493	541	605	637
40	52		290	293	344	398	437	489	565	619	692	730
50	62		277	325	382	443	485	543	628	688	770	812
60	72		301	354	417	483	529	593	685	751	841	886
70	82		324	381	448	519	570	638	738	809	905	955
80	92		344	405	478	554	608	681	787	863	966	1,018
90	102		363	428	505	586	643	720	833	914	1,023	1,078
100	112		381	450	531	616	676	758	877	962	1,076	1,135
110	122		398	470	555	644	708	793	918	1,007	1,127	1,189
120	132		414	489	578	672	738	827	958	1,050	1,176	1,240
			429	508	601	698	767	860	995	1,092	1,223	1,290

* CROSSOVER = REVERSE CURVE CONNECTION TYING TWO (2) PARALLEL ROADWAYS.

RECOMMENDED DISTANCE BETWEEN SIGNS (MIN.)

ROAD TYPE	A (FT)	B (FT)	C (FT)
URBAN (LOW SPEED)	100	100	100
URBAN (HIGH SPEED)	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1,000	1,500	2,640

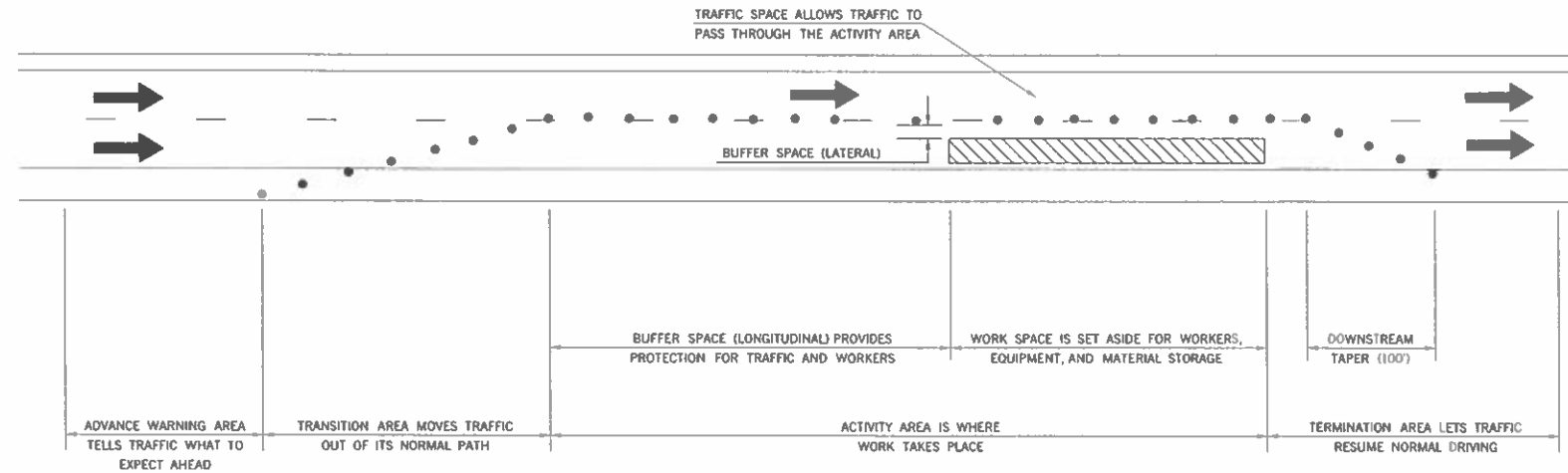
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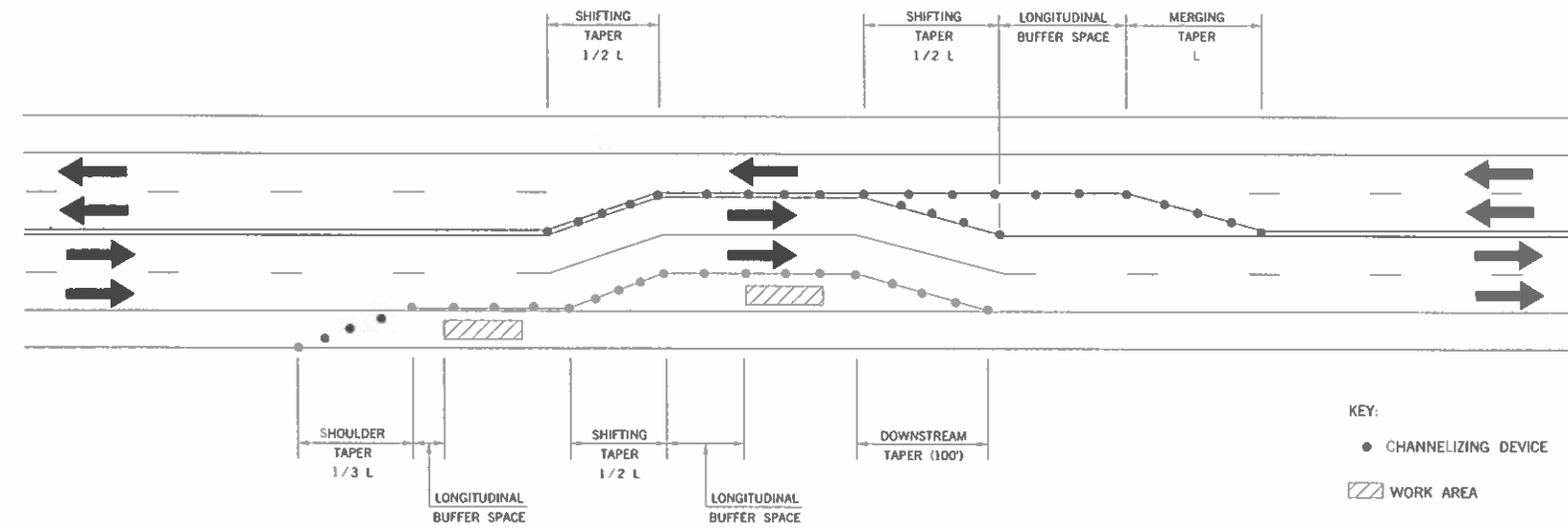
APPROVED BY *David Smart* DATE: 6/23/10
TRAFFIC ENGINEER

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
TRAFFIC CONTROL TABLES AND CHARTS

DESCRIPTION	REVISIONS	DATE
CHANGED TRANSITION NOTATION		5/31/2011



COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE



TAPERS AND BUFFER SPACE

TEMPORARY TRAFFIC CONTROL ELEMENTS



APPROVED BY
 TRAFFIC ENGINEER: *[Signature]* DATE: 5/31/2011

TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD

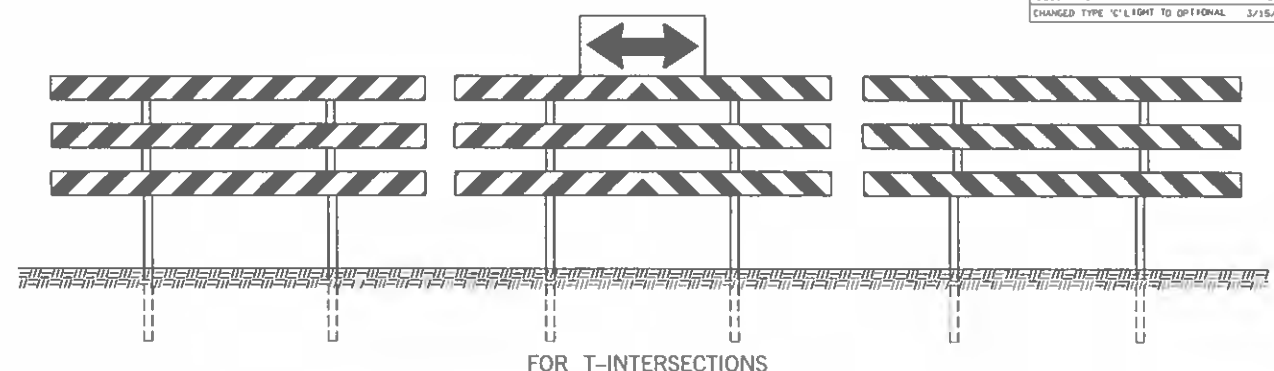
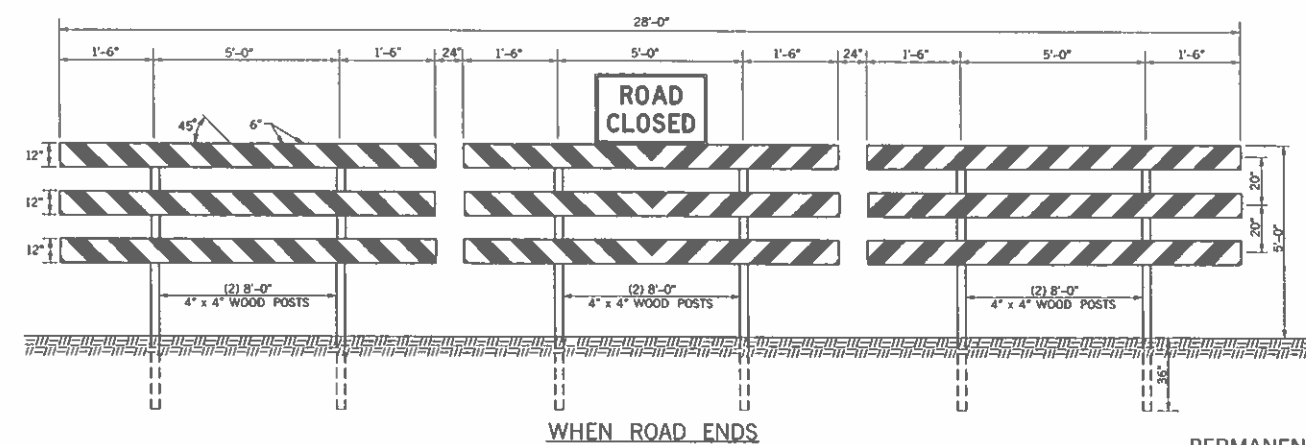
TEMPORARY TRAFFIC CONTROL ELEMENTS

2009 SPECIFICATIONS

TCS3-1	01
T-503	

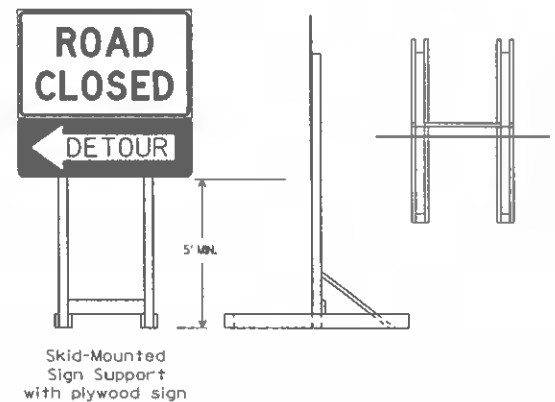
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DESCRIPTION	REVISIONS	DATE
CHANGED TYPE 'C' LIGHT TO OPTIONAL		3/15/2011

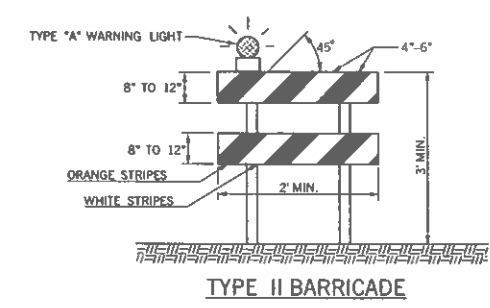
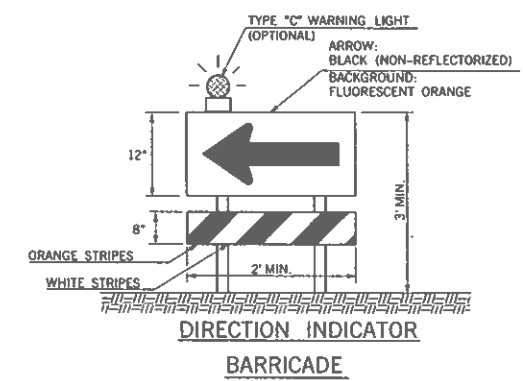


NOTES: A PERMANENT BARRICADE TYPE III(A) SHALL CONSIST OF NINE (9) PANELS AND SIX (6) POSTS.
TYPICAL INSTALLATION AS SHOWN IS FOR AN ABSOLUTE CLOSURE.
BARRICADES SHOULD NOT BE PLACED PARALLEL TO TRAFFIC IF NOT OUTSIDE OF CLEAR ZONE.

PERMANENT BARRICADE TYPE III(B) WILL BE IDENTICAL TO TYPE III(A) WITH NINE (9) ADDITIONAL REFLECTORIZED 34"x12" LUMBER PANELS ATTACHED TO THE BACK SIDE OF THE BARRICADE.
COLOR BACKGROUND - WHITE (REFLECTORIZED)
DIAGONAL STRIPES - RED (REFLECTORIZED)



LONG INTERMEDIATE TERM STATIONARY PORTABLE SIGN SUPPORTS
5 Foot Mounting Height
(SKID MOUNTED)
(SHALL BE PLACED BEHIND TYPE III BARRICADE)



NOTES: FOR WOODEN BARRICADES NOMINAL LUMBER DIMENSIONS WILL BE SATISFACTORY FOR RAILS LESS THAN 3 FEET LONG, 4 INCH WIDE STRIPES SHALL BE USED.
TYPE II BARRICADES SHALL BE CONSTRUCTED USING A MINIMUM OF TWO (2) POSTS FOR WOODEN BARRICADES, PANEL THICKNESS SHALL NOT EXCEED ONE-HALF INCH (1/2")
BARRICADES SHOULD NOT BE PLACED PARALLEL TO TRAFFIC IF NOT OUTSIDE OF CLEAR ZONE.

PROJECTS WITH WORK LIMITS OF 2.0 MILES OR MORE IN LENGTH WILL REQUIRE THE G20-1A SIGN THE SIGN (G20-1A) WILL BE REQUIRED ON ONE SIDE OF A 2-LANE ROADWAY AND BOTH SIDES OF A DIVIDED HIGHWAY.

ALL BARRICADE STRIPES SHALL BE RETROREFLECTIVE
COLOR BACKGROUND - WHITE (REFLECTORIZED)
DIAGONAL STRIPES - FLUORESCENT ORANGE (REFLECTORIZED)

IF BARRICADES ARE USED TO CHANNELIZE PEDESTRIANS, THERE SHALL BE CONTINUOUSLY DETECTABLE BOTTOM AND TOP RAILS WITH NO GAPS BETWEEN INDIVIDUAL BARRICADES TO BE DETECTABLE TO USERS OF LONG CANES THE BOTTOM OF THE BOTTOM RAIL SHALL BE NO HIGHER THAN 6 INCHES ABOVE THE GROUND SURFACE. THE TOP OF THE TOP RAIL SHALL BE NO LOWER THAN 36 INCHES ABOVE THE GROUND SURFACE.

SIGNS MOUNTED ON TYPE III BARRICADES SHOULD NOT COVER MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS
SIGNS MOUNTED ON BARRICADES OR OTHER PORTABLE SUPPORTS, SHALL BE NO LESS THAN 1 ABOVE THE TRAVELED WAY.

SANDBAGS MAY BE PLACED ON LOWER PARTS OF THE FRAME OR THE STAYS OF BARRICADES TO PROVIDE THE REQUIRED BALLAST.

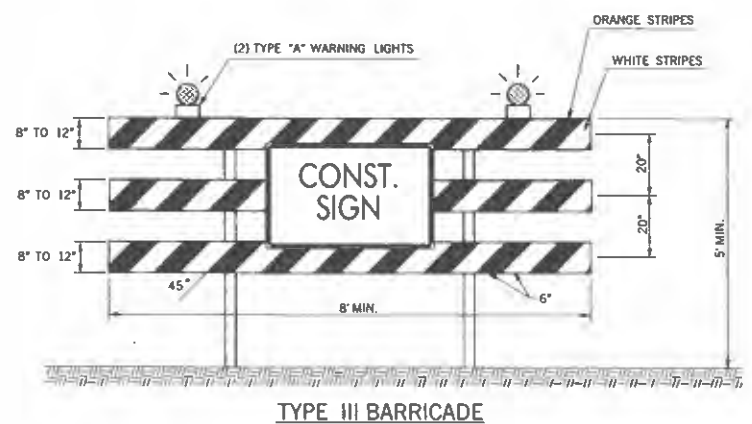
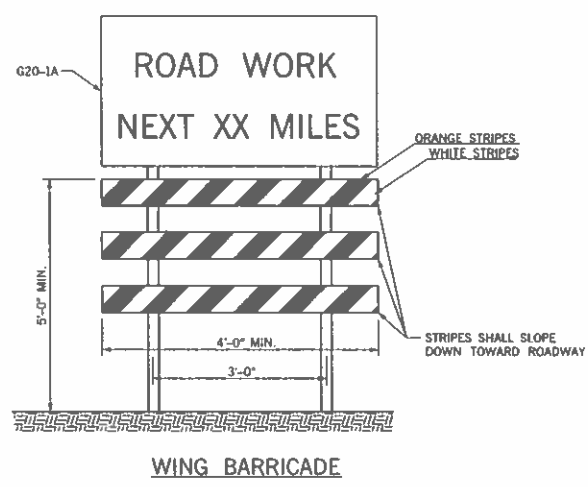
BALLAST SHALL NOT BE PLACED ON TOP OF ANY STRIPED RAIL BARRICADES SHALL NOT BE BALLASTED BY NONDEFORMABLE OBJECTS SUCH AS ROCKS OR CHUNKS OF CONCRETE BALLAST SHALL NOT EXTEND INTO THE ACCESSIBLE PASSAGE WIDTH OF 60"

DIRECTION INDICATOR BARRICADE SHALL CONSIST OF A ONE-DIRECTION LARGE ARROW (W1-6) SIGN MOUNTED ABOVE A DIAGONAL STRIPED, HORIZONTALLY ALIGNED, RETRO-REFLECTIVE RAIL.

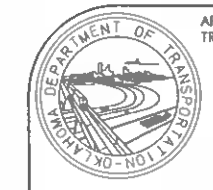
WHERE BARRICADES EXTEND ENTIRELY ACROSS A ROADWAY, THE STRIPES SHOULD SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH ROAD USERS MUST TURN.

WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED, THE BARRICADE STRIPES SHOULD SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE OR BARRICADES.

WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD BE POSITIONED TO SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.



BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	\$0
880(C)	CONSTRUCTION BARRICADES	\$0
880(E)	WARNING LIGHTS	\$0



APPROVED BY TRAFFIC ENGINEER: *[Signature]* DATE: 3/31/11

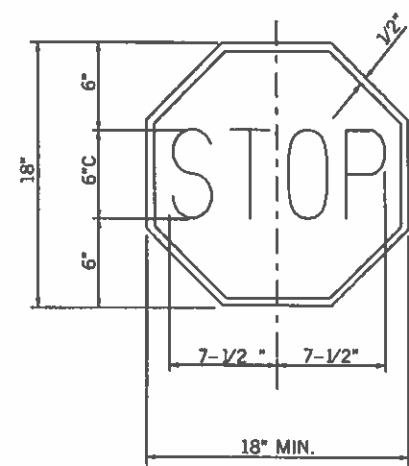
TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
TRAFFIC CONTROL DEVICES

2009 SPECIFICATIONS

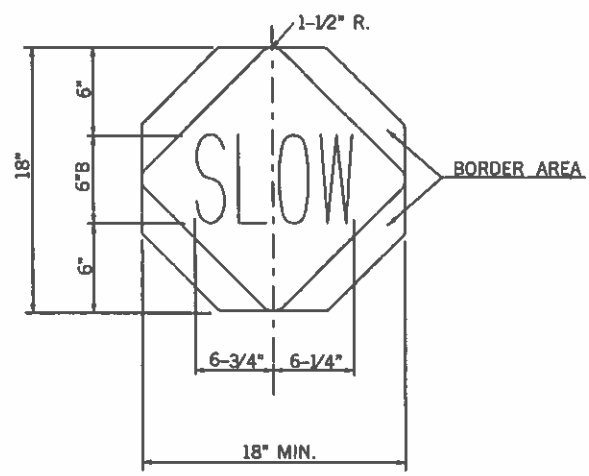
TCS4-1	01
T-504	

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DESCRIPTION	REVISIONS	DATE
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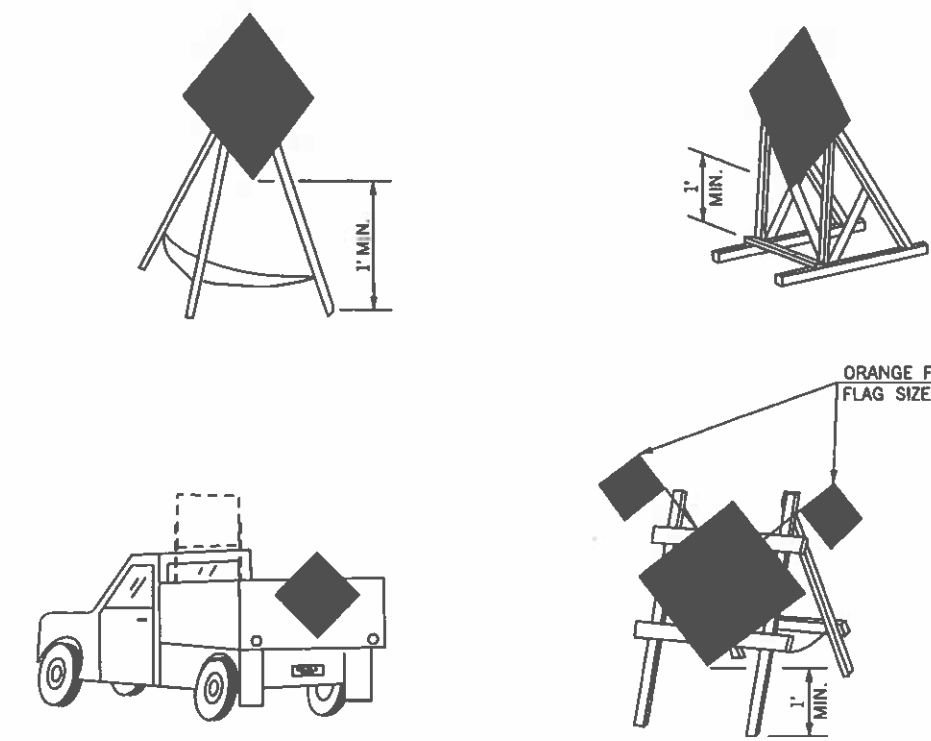


STOP:
 LEGEND AND BORDER: WHITE (REFLECTORIZED)
 BACKGROUND: RED (REFLECTORIZED)



SLOW:
 LEGEND AND BORDER AREA: BLACK (NON-REFLECTORIZED)
 BACKGROUND: ORANGE (REFLECTORIZED)

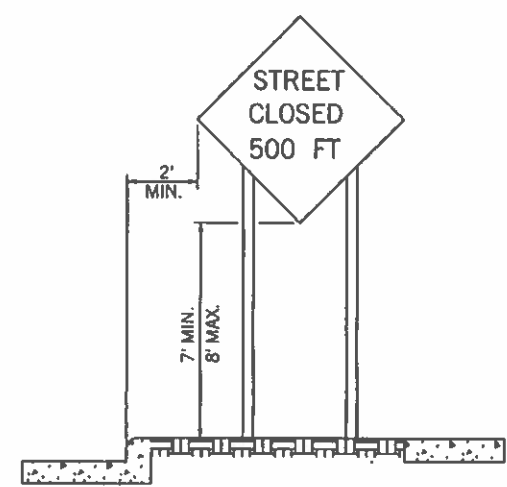
STOP-SLOW PADDLE



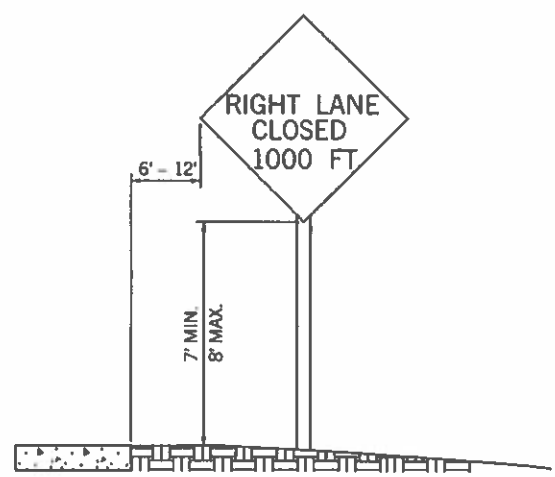
ORANGE FLAGS (OPTIONAL)
 FLAG SIZE 16" x 16" (MIN.)

NOTE:
 THE BOTTOM OF SIGNS MOUNTED ON BARRICADES OR TEMPORARY SUPPORTS SHALL NOT BE LESS THAN 1 FOOT ABOVE THE TRAVELED WAY.

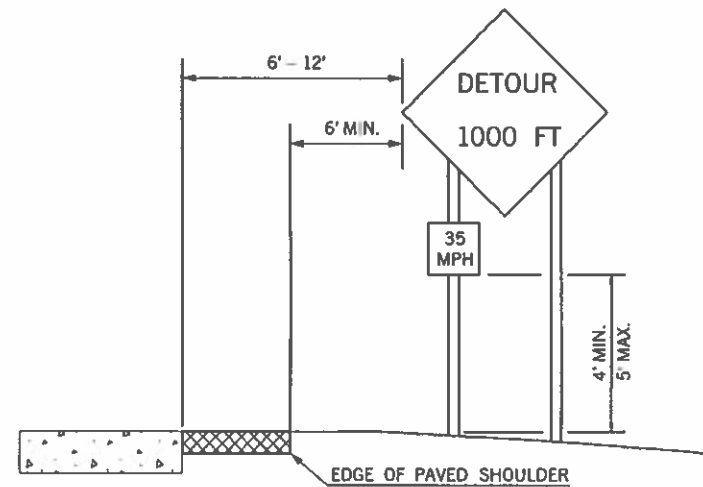
**PORTABLE AND TEMPORARY MOUNTINGS
 METHODS OF MOUNTING SIGNS OTHER THAN ON POSTS**



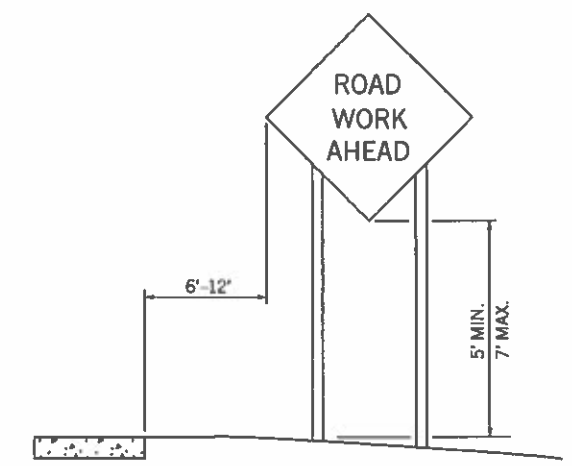
**URBAN DISTRICT
 (WITH CURB)**



**URBAN DISTRICT
 (WITHOUT CURB)**



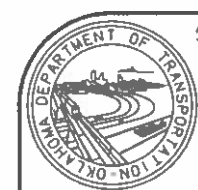
**RURAL DISTRICT WITH
 ADVISORY SPEED PLATE**



RURAL DISTRICT

HEIGHT AND LATERAL LOCATIONS OF SIGNS - TYPICAL INSTALLATIONS

TRFPC36 MA\2009_Standards_TC\505.dgn 8:16:51 AM 6/22/2010 d:\usr2\lib\lroyh.pen R:\TRAF_PLOT\bw.tbl



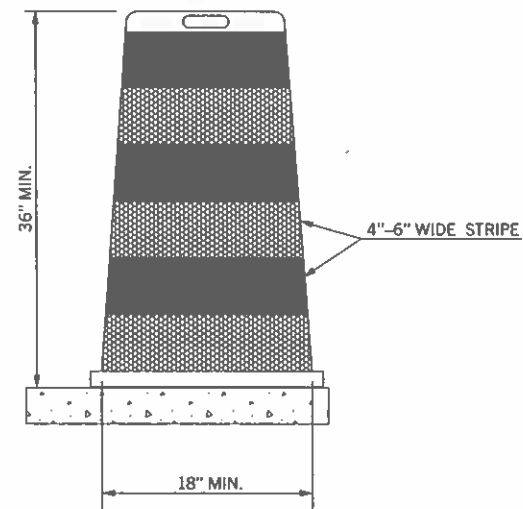
APPROVED BY
 TRAFFIC ENGINEER *Chad Smith* DATE 6/23/10

TRAFFIC STANDARD
 TRAFFIC CONTROL STANDARD
 TYPICAL SIGN INSTALLATION

2009 SPECIFICATIONS

TCSS-1	00
T-505	

DESCRIPTION	REVISIONS	DATE
ADD NOTE TO VERTICAL PANEL		07/29/00
CHANGED TYPE "C" LIGHT TO OPTIONAL		3/15/2011



DRUM

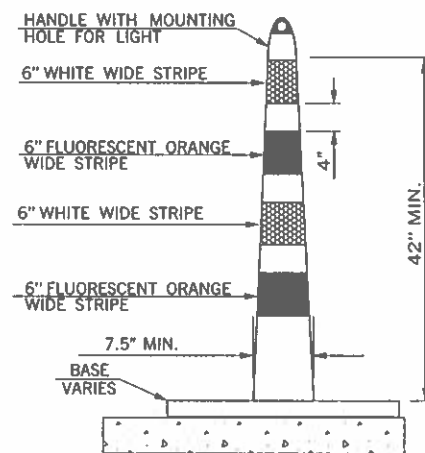
NOTES:

METAL DRUMS SHALL NOT BE USED.

EACH DRUM SHALL HAVE A MINIMUM OF TWO (2) FLUORESCENT ORANGE STRIPES ALTERNATING WITH A MINIMUM OF TWO (2) WHITE STRIPES. THESE STRIPES SHALL CONSIST OF RETROREFLECTIVE SHEETING.

BALLAST SHALL NOT BE PLACED ON TOP OF A DRUM.

DRUMS SHALL NOT BE USED TO DELINEATE AN EDGE DROP OFF IF THEY MUST BE PLACED IN THE DROP OFF AREA BELOW THE LEVEL OF THE DRIVING SURFACE.



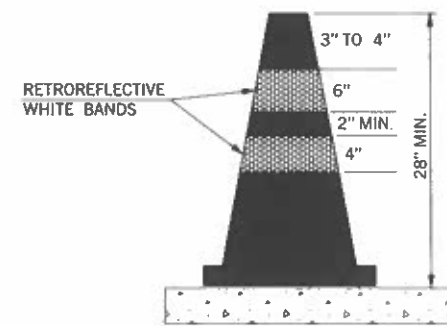
CHANNELIZER CONE

NOTES:

CHANNELIZER CONES USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 42 INCHES HIGH.

EACH CHANNELIZER CONES SHALL HAVE A MINIMUM OF TWO (2) FLUORESCENT ORANGE STRIPES ALTERNATING WITH A MINIMUM OF TWO (2) WHITE STRIPES. THESE STRIPES SHALL CONSIST OF RETROREFLECTIVE SHEETING.

BASE SHALL WEIGH 30 LBS. OR MORE.

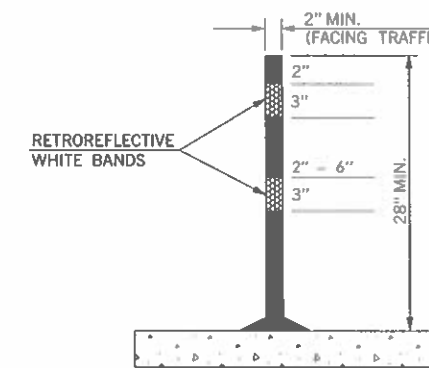


CONE

NOTES:

CONES USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 28 INCHES HIGH.

CONES SHALL BE PREDOMINANTLY ORANGE, WITH WHITE RETROREFLECTIVE SHEETING.

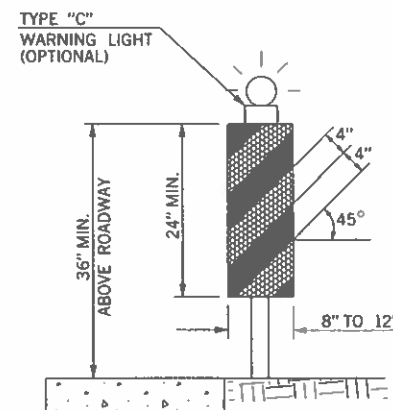


TUBE CHANNELIZER

NOTES:

TUBE CHANNELIZERS USED ON HIGH SPEED ROADWAYS, ON ALL HIGHWAYS DURING NIGHTTIME, OR WHENEVER MORE CONSPICUOUS GUIDANCE IS NEEDED SHALL BE A MINIMUM OF 28 INCHES HIGH.

TUBE CHANNELIZERS SHALL BE PREDOMINANTLY ORANGE, WITH WHITE RETROREFLECTIVE SHEETING.



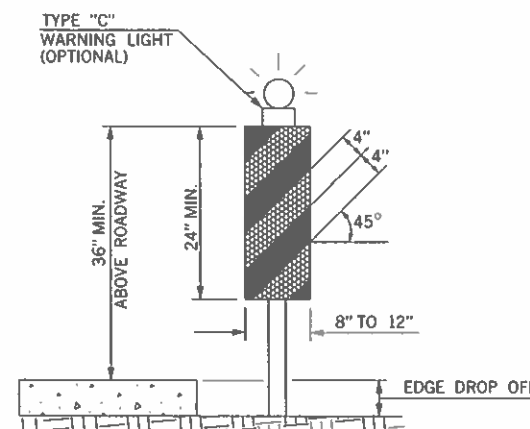
**VERTICAL PANEL
W/O DROP OFF**

NOTES:

PANEL STRIPE WIDTHS SHALL BE 6 INCHES EXCEPT WHERE PANELS LENGTHS ARE LESS THAN 36 INCHES, THEN 4 INCH WIDE STRIPES MAY BE USED.

MARKINGS FOR VERTICAL PANELS SHALL BE ALTERNATING FLUORESCENT ORANGE AND WHITE RETROREFLECTORIZED STRIPES (SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION TRAFFIC IS TO PASS).

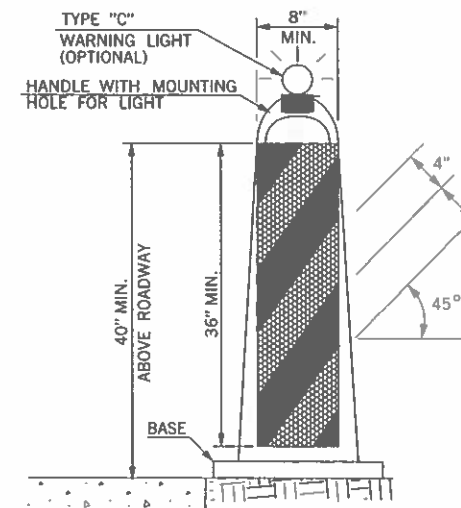
SHALL HAVE A MINIMUM OF TWO (2) FULL FLUORESCENT ORANGE STRIPES.



**VERTICAL PANEL
W/DROP OFF**

ON UNDIVIDED HIGHWAYS, VERTICAL PANELS SHALL HAVE A MINIMUM OF 192 SQUARE INCHES OF RETROREFLECTIVE SHEETING ON EACH PANEL (FRONT AND BACK). WHEN USED ON HIGH SPEED ROADWAYS, VERTICAL PANELS SHALL HAVE MINIMUM OF 270 SQUARE INCHES OF RETROREFLECTIVE SHEETING ON EACH PANEL (FRONT AND BACK). THIS SHALL CONSTITUTE ONE (1) COMPLETE VERTICAL PANEL.

ON DIVIDED HIGHWAYS A VERTICAL PANEL MAY HAVE SHEETING ON ONLY ONE SIDE.



STACKABLE VERTICAL PANEL

NOTES:

(1) VERTICAL PANEL SIGNS SHALL BE MOUNTED BACK TO BACK WHEN USED FOR TWO-WAY TRAFFIC.

(2) BASE SHALL BE NO LARGER THAN 28" LONG BY 20" WIDE, AND 2" THICK.

(3) BASE SHALL WEIGHT 30 LBS. OR MORE.

(4) THESE DEVICES SHALL BE CONSTRUCTED OF A MATERIAL THAT CAN BE STRUCK WITHOUT DAMAGING VEHICLES ON IMPACT.

KEY:

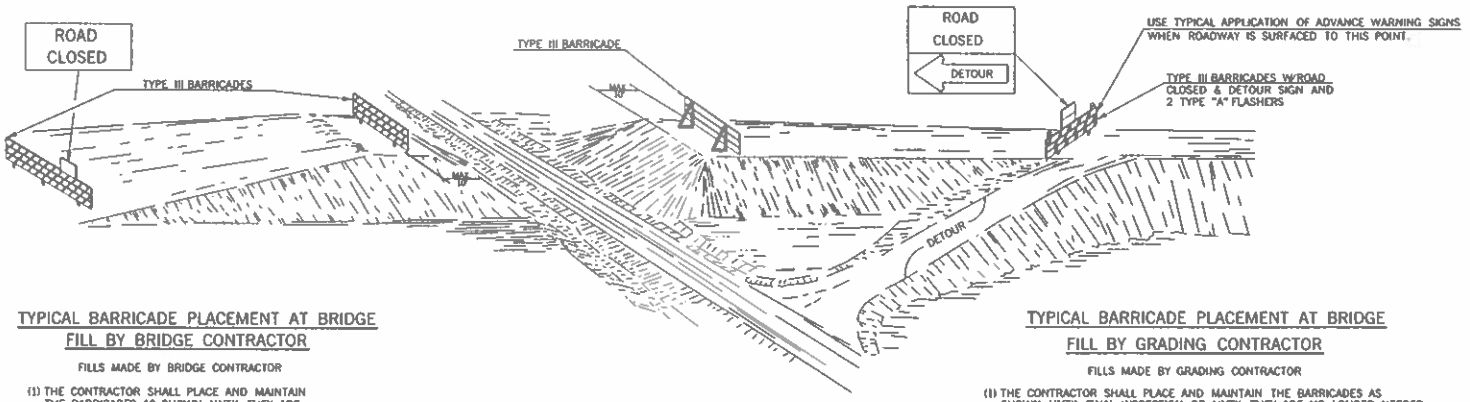
- FLUORESCENT ORANGE (REFLECTORIZED)
- WHITE (REFLECTORIZED)

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(D)	VERTICAL PANEL	SD
880(E)	WARNING LIGHTS	SD
880(F)	DRUMS	SD
880(G)	TUBE CHANNELIZERS	SD
880(H)	CONES	SD
880(I)	CHANNELIZER CONES	SD



APPROVED BY TRAFFIC ENGINEER: *[Signature]* DATE: 3/21/11

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CHANNELIZING DEVICES

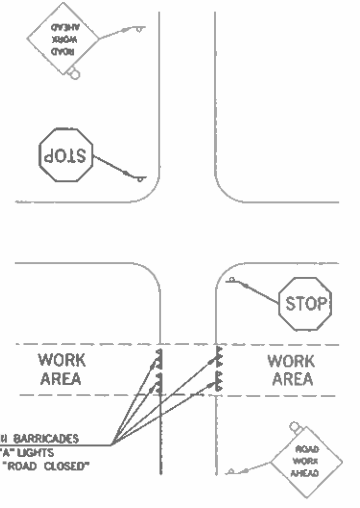


TYPICAL BARRICADE PLACEMENT AT BRIDGE FILL BY BRIDGE CONTRACTOR

- FILLS MADE BY BRIDGE CONTRACTOR
- (1) THE CONTRACTOR SHALL PLACE AND MAINTAIN THE BARRICADES AS SHOWN UNTIL THEY ARE NO LONGER NEEDED.
 - (2) THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO REMOVAL OF THE BARRICADES.
 - (3) THE ENGINEER SHALL NOTIFY THE GRADING CONTRACTOR TO FURNISH AND ERECT HIS BARRICADES "IMMEDIATELY" AFTER THE BRIDGE CONTRACTOR REMOVES HIS BARRICADES. THE GRADING CONTRACTOR SHALL MAINTAIN HIS BARRICADES UNTIL FINAL INSPECTION OR UNTIL THEY ARE NO LONGER NEEDED.
 - (4) BARRICADES AT BRIDGE FILL SHALL BE IN PLACE AND MAINTAINED AT ALL TIMES UNTIL OPENED TO TRAFFIC. HOWEVER, BARRICADES MAY BE REMOVED OR ADJUSTED, AS NEEDED, TO ALLOW ACCESS TO THE WORK AREA.

TYPICAL BARRICADE PLACEMENT AT BRIDGE FILL BY GRADING CONTRACTOR

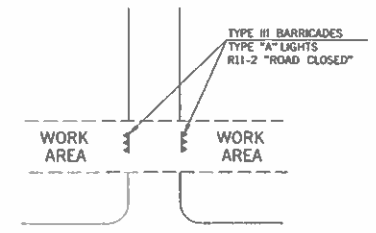
- FILLS MADE BY GRADING CONTRACTOR
- (1) THE CONTRACTOR SHALL PLACE AND MAINTAIN THE BARRICADES AS SHOWN UNTIL FINAL INSPECTION OR UNTIL THEY ARE NO LONGER NEEDED.
 - (2) THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO REMOVAL OF THE BARRICADES.
 - (3) IF THE BRIDGE WORK ORDER IS ISSUED PRIOR TO COMPLETION OF THE GRADING CONTRACT, THE BRIDGE CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE GRADING CONTRACTOR TO ASSUME RESPONSIBILITY FOR PROTECTION OF THE BRIDGE WORK AREA. THIS WILL INCLUDE FURNISHING, INSTALLING, AND MAINTAINING ALL BARRICADES AND SIGNS NECESSARY TO PROVIDE THAT PROTECTION UNTIL THE BRIDGE IS COMPLETED AND THE FINAL INSPECTION IS COMPLETED.
 - (4) IF THE BRIDGE WORK ORDER HAS NOT BEEN ISSUED PRIOR TO THE FINAL INSPECTION OF THE GRADING, THEN THE GRADING CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE OKLAHOMA DEPARTMENT OF TRANSPORTATION FOR STATE FORCES TO SUPPLY, INSTALL AND MAINTAIN ANY NECESSARY TRAFFIC CONTROL DEVICES NEEDED TO PROTECT THE WORK AREA. THESE STATE OWNED DEVICES SHALL REMAIN IN PLACE UNTIL SUCH TIME THAT THE BRIDGE WORK ORDER IS ISSUED. AT THAT TIME THE BRIDGE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR TRAFFIC CONTROL AND REPLACE THE STATE OWNED DEVICES WITH HIS OWN.
 - (5) SUFFICIENT NUMBER OF TYPE II BARRICADES WITH SIGNS SHALL BE USED TO COMPLETELY CLOSE THE WORK AREA TO THROUGH TRAFFIC.
 - (6) BARRICADES AT BRIDGE FILL SHALL BE IN PLACE AND MAINTAINED AT ALL TIMES UNTIL OPENED TO TRAFFIC. HOWEVER, BARRICADES MAY BE REMOVED OR ADJUSTED, AS NEEDED, TO ALLOW ACCESS TO THE WORK AREA.



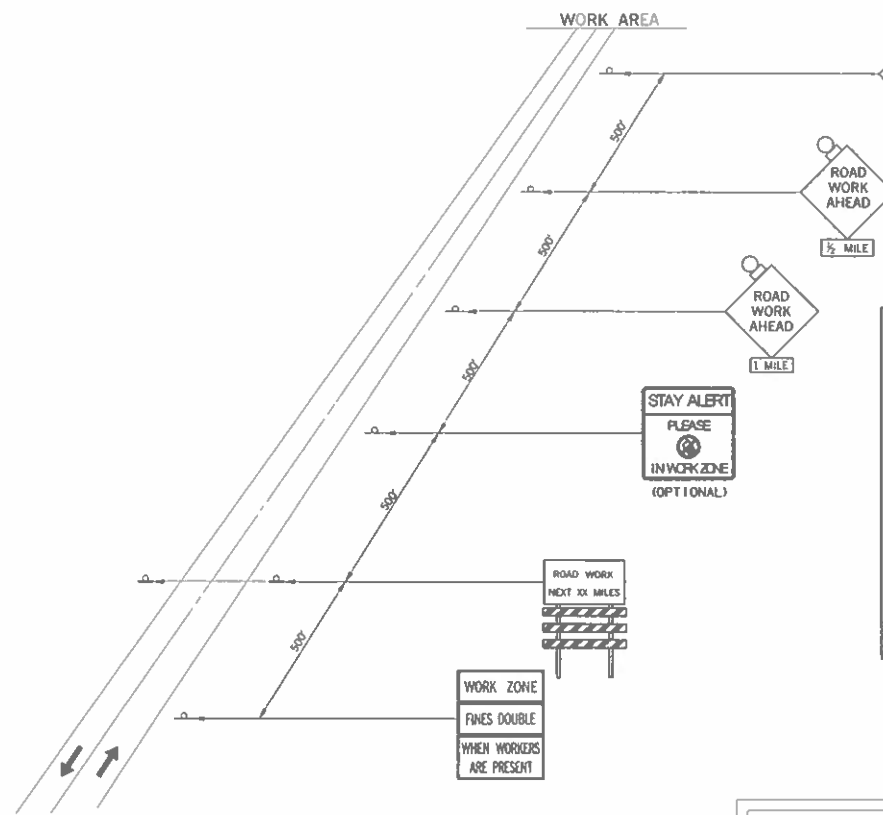
TYPICAL SIGN PLACEMENT FOR INTERSECTING ROADS AND STREETS

- NOTES:
- (1) SIGNS SHOWN FOR ONE DIRECTION OF TRAVEL ONLY.
 - (2) FLASHING WARNING LIGHTS SHALL BE USED TO CALL ATTENTION TO THE EARLY WARNING SIGNS.
 - (3) WARNING LIGHTS SHOULD BE USED TO MARK CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 - (4) PLACEMENT OF TYPE II BARRICADES SHALL BE APPROVED BY THE ENGINEER.
 - (5) TYPE II BARRICADES, DRUMS AND/OR VERTICAL PANELS MAY BE SUBSTITUTED FOR TYPE III BARRICADES TO AVOID OBSTRUCTING THE MOTORISTS VIEW.
 - (6) IF TWO OR MORE DRIVEWAYS ARE IN CLOSE PROXIMITY, THE BARRICADES BETWEEN THE DRIVEWAYS MAY BE OMITTED AT THE DISCRETION OF THE ENGINEER.
 - (7) THE "ROAD WORK AHEAD" SIGN, WHICH SERVES AS A GENERAL WARNING OF OBSTRUCTIONS OR RESTRICTIONS, SHALL BE LOCATED ON ALL INTERSECTING ROADS AND STREETS.

DESCRIPTION	REVISIONS	DATE
MODIFIED NOTE		3/18/2011
ADD "NO CELL PHONE USAGE IN WORK ZONE, DISTANCE 5' OR TO BARRIING SIGNS"		4/2/2013



TYPICAL SIGN PLACEMENT FOR PRIVATE DRIVE OR RESIDENCE



TYPICAL APPLICATION ADVANCE WARNING SIGNS ON 2-LANE HIGHWAY

TYPICAL CONSTRUCTION WARNING SIGNS WITH MESSAGES OTHER THAN DETAILED ON STANDARD DRAWINGS SHALL BE CONSTRUCTED USING THE LARGEST POSSIBLE LETTER SIZE. SIGN SIZE AND COLOR SHALL BE THE SAME AS OTHER CONSTRUCTION WARNING SIGNS USED FOR SIMILAR CONDITIONS.

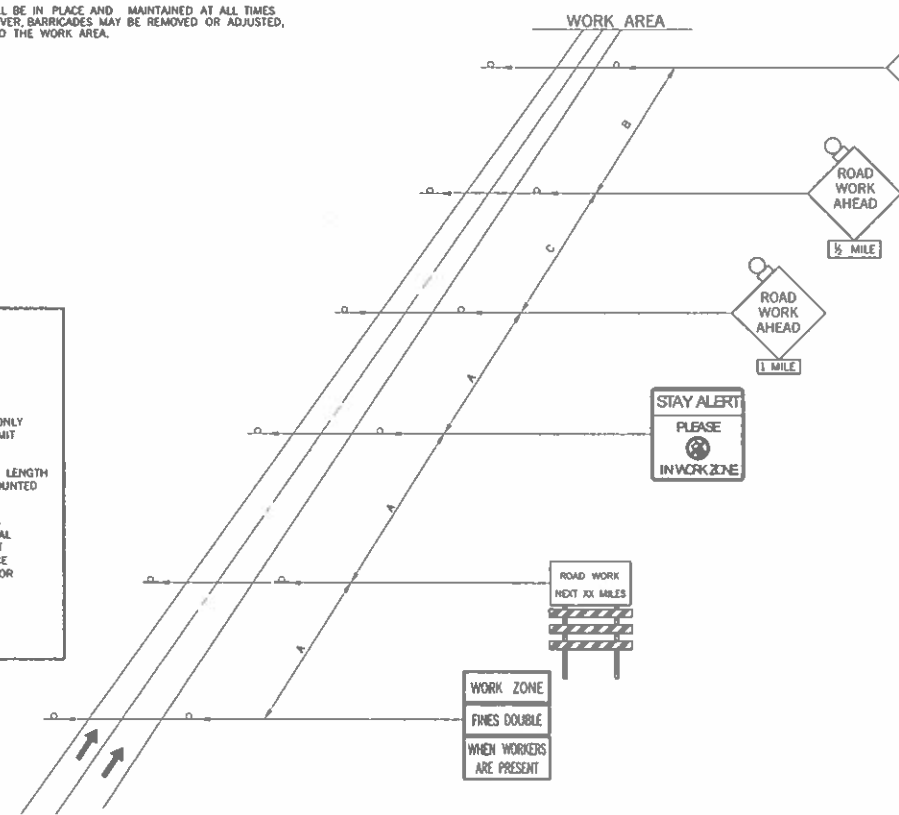
FINES DOUBLE IN WORK ZONE SIGNS ARE TO BE USED ONLY ON STATE OR FEDERAL HIGHWAYS WHERE THE SPEED LIMIT IS REDUCED OR AS DIRECTED BY THE ENGINEER.

PROJECTS WITH WORK LIMITS OF 1.0 MILES OR MORE IN LENGTH WILL REQUIRE THE G20-1A SIGN. THE SIGN SHALL BE MOUNTED AS SHOWN ON TCS4-1 (LATEST REVISION).

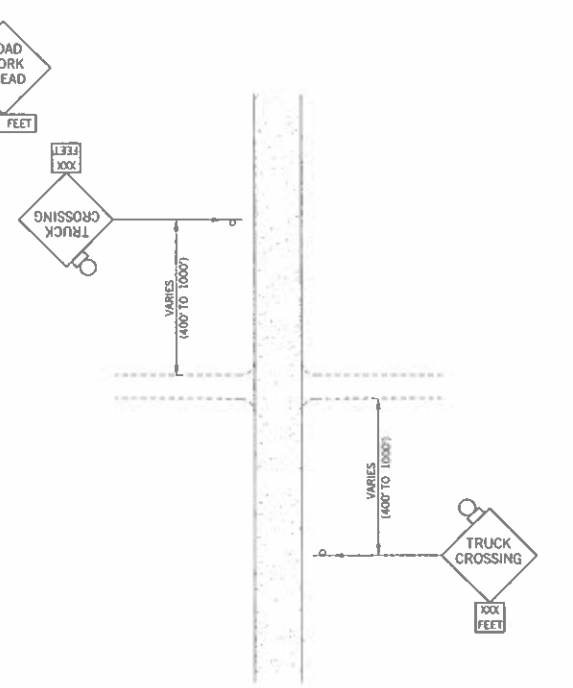
WARNING SIGNS SHOWN ARE "ADVANCE" WARNING SIGNS AND ARE REQUIRED ON ALL STATE HIGHWAYS. ADDITIONAL WARNING SIGNS MAY BE REQUIRED WITHIN THE PROJECT LIMITS TO WARN DRIVERS OF SPECIFIC HAZARDS. ADVANCE "WARNING SIGNS" MAY CHANGE AS CONDITIONS CHANGE OR AS DIRECTED BY THE ENGINEER.

PROJECT WORK OF 1.0 MILE OR MORE IN LENGTH WILL REQUIRE SIGNS CS-14 AND R2-1 TO BE PLACED EVERY 1/2 MILE THROUGH WORK ZONE.

ROAD TYPE	DISTANCE BETWEEN SIGNS SHALL BE A (MIN.)		
	A (FT)	B (FT)	C (FT)
URBAN (LOW SPEED)	100	100	100
URBAN (HIGH SPEED)	350	350	350
RURAL	500	500	500
EXPRESSWAY /FREEWAY	1,000	1,500	2,640



TYPICAL APPLICATION ADVANCE WARNING SIGNS ON A DIVIDED HIGHWAY



TYPICAL APPLICATION ADVANCE SIGNING WHERE TRUCKS ARE CROSSING



APPROVED BY TRAFFIC ENGINEER: *Charles J. ...* DATE: 4/1/2012

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
PLACEMENT OF ADVANCE
WARNING SIGNS

2009 SPECIFICATIONS

TCS7-1	02
T-507	

\$\$\$\$\$

DESCRIPTION	REVISIONS	DATE



STOP

R1-1	30 x 30	5.18 SF
R1-1E	36 x 36	7.46 SF
R1-1F	48 x 48	13.26 SF

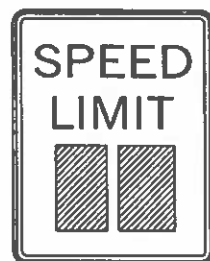
COLOR:
LEGEND AND BORDER:
 WHITE (REFLECTORIZED)
BACKGROUND:
 RED (TRANSPARENT REFLECTORIZED)



YIELD

R1-2	36 x 36 x 36	3.90 SF
R1-2E	48 x 48 x 48	6.93 SF
R1-2F	60 x 60 x 60	10.83 SF

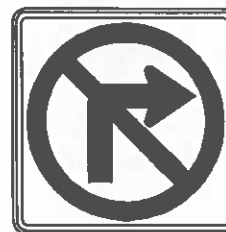
COLOR:
LEGEND AND BORDER:
 RED (TRANSPARENT REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



SPEED LIMIT

R2-1(1)	24 x 30	5.00 SF
R2-1E()	36 x 48	12.00 SF
R2-1F()	48 x 60	20.00 SF

COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



NO RIGHT TURN

R3-1	24 x 24	4.00 SF
R3-1E	36 x 36	9.00 SF
R3-1F	48 x 48	16.00 SF

COLOR:
ARROW AND BORDER:
 BLACK (NON-REFLECTORIZED)
CIRCLE AND DIAGONAL:
 RED (TRANSPARENT REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



NO LEFT TURN

R3-2	24 x 24	4.00 SF
R3-2E	36 x 36	9.00 SF
R3-2F	48 x 48	16.00 SF

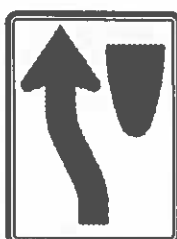
COLOR:
ARROW AND BORDER:
 BLACK (NON-REFLECTORIZED)
CIRCLE AND DIAGONAL:
 RED (TRANSPARENT REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



KEEP RIGHT SIGN

R4-7	24 x 30	5.00 SF
R4-7E	36 x 48	12.00 SF
R4-7F	48 x 60	20.00 SF

COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



KEEP LEFT SIGN

R4-8	24 x 30	5.00 SF
R4-8E	36 x 48	12.00 SF
R4-8F	48 x 60	20.00 SF

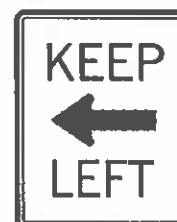
COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



KEEP RIGHT

R4-7a(R)	24 x 30	5.00 SF
R4-7a(R)E	36 x 48	12.00 SF
R4-7a(R)F	48 x 60	20.00 SF

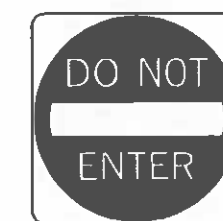
COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



KEEP LEFT

R4-7a(L)	24 x 30	5.00 SF
R4-7a(L)E	36 x 48	12.00 SF
R4-7a(L)F	48 x 60	20.00 SF

COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)



DO NOT ENTER

R5-1	30 x 30	6.25 SF
R5-1E	36 x 36	9.00 SF
R5-1F	48 x 48	16.00 SF

COLOR:
SYMBOL:
 RED (TRANSPARENT REFLECTORIZED)
LEGEND AND BACKGROUND:
 WHITE (REFLECTORIZED)



ONE WAY

R6-1(L)	36 x 12	3.00 SF
R6-1E(L)	54 x 18	6.75 SF
R6-1F(L)	54 x 18	6.75 SF

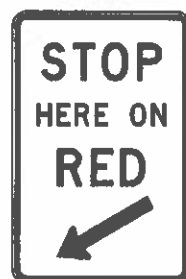
COLOR:
ARROW AND BORDER:
 WHITE (NON-REFLECTORIZED)
LEGEND AND BACKGROUND:
 BLACK (REFLECTORIZED)



ONE WAY

R6-1(R)	36 x 12	3.00 SF
R6-1E(R)	54 x 18	6.75 SF
R6-1F(R)	54 x 18	6.75 SF

COLOR:
ARROW AND BORDER:
 WHITE (NON-REFLECTORIZED)
LEGEND AND BACKGROUND:
 BLACK (REFLECTORIZED)



STOP HERE ON RED

R10-6	24 x 36	6.00 SF
-------	---------	---------

COLOR:
LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
BACKGROUND:
 WHITE (REFLECTORIZED)

NOTES:
 WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY TRAFFIC ENGINEER *David Smith* DATE 6/23/10

TRAFFIC STANDARD
 TRAFFIC CONTROL STANDARD
 CONSTRUCTION SIGNS

DESCRIPTION	REVISIONS	DATE
CHANGED SIGN DESIGNATION		3/15/2011



ROAD CLOSED

R11-2 48 x 30 10.00 SF

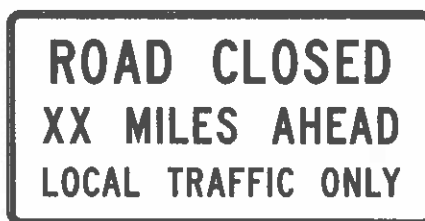
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
WHITE (REFLECTORIZED)



LANE CLOSED

R11-2(LANE) 48 x 30 10.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
WHITE (REFLECTORIZED)



ROAD CLOSED XX MILES AHEAD

R11-3a 60 x 30 12.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
WHITE (REFLECTORIZED)



BRIDGE OUT XX MILES AHEAD

R11-3b 60 x 30 12.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
WHITE (REFLECTORIZED)



ROAD CLOSED TO THRU TRAFFIC

R11-4 60 x 30 12.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
WHITE (REFLECTORIZED)



DETOUR SIGN

M4-8 24 x 12 2.00 SF
M4-8E 30 x 15 3.13 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DETOUR SIGN

M4-9(R) 30 x 24 5.00 SF
M4-9(R)E 48 x 36 12.00 SF
M4-9(R)F 60 x 48 20.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DETOUR SIGN

M4-9(L) 30 x 24 5.00 SF
M4-9(L)E 48 x 36 12.00 SF
M4-9(L)F 60 x 48 20.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DETOUR SIGN

M4-9(V) 30 x 24 5.00 SF
M4-9(V)E 48 x 36 12.00 SF
M4-9(V)F 60 x 48 20.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DETOUR SIGN

M4-10(R) 48 x 18 6.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DETOUR SIGN

M4-10(L) 48 x 18 6.00 SF

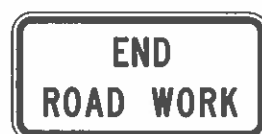
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



ROAD WORK NEXT XX MILES SIGN

G20-1A 36 x 18 4.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



END ROAD WORK SIGN

G20-2A 36 x 18 4.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



PILOT CAR FOLLOW ME SIGN

G20-4 36 x 18 4.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)

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ALL DIAMOND SHAPE CONSTRUCTION WARNING SIGNS SHALL BE 48 INCHES X 48 INCHES UNLESS OTHERWISE NOTED IN THE PLANS.

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY
TRAFFIC ENGINEER: *[Signature]* DATE: 3/21/11

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS9-1 01
T-509

DESCRIPTION	REVISIONS	DATE



TURN LEFT

W1-1(L) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



TURN RIGHT

W1-1(R) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



CURVE LEFT

W1-2(L) 48 x 48 16.00 SF

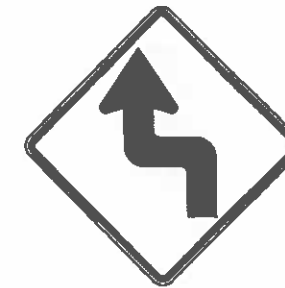
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



CURVE RIGHT

W1-2(R) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



LEFT REVERSE TURN

W1-3(L) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



RIGHT REVERSE TURN

W1-3(R) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



LEFT REVERSE CURVE

W1-4(L) 48 x 48 16.00 SF

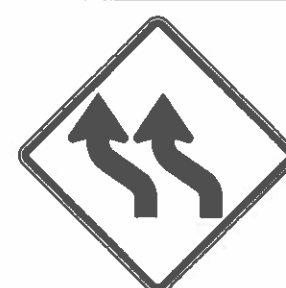
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



RIGHT REVERSE CURVE

W1-4(R) 48 x 48 16.00 SF

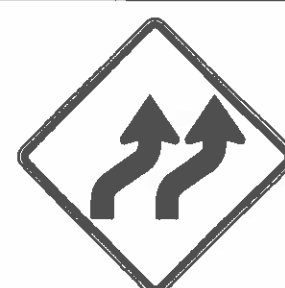
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



LEFT REVERSE CURVE

W1-4B(L) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



RIGHT REVERSE CURVE

W1-4B(R) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)

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* SUPPLEMENTAL SIGNS SHALL ONLY BE USED IN CONJUNCTION WITH DIAMOND SHAPE CONSTRUCTION WARNING SIGNS. THE SIZE OF SUPPLEMENTAL SIGNS SHALL BE APPROPRIATE FOR USE WITH A 48 INCH X 48 INCH WARNING SIGN UNLESS OTHERWISE NOTED IN THE PLANS.



LEFT REVERSE CURVE

W1-4C(L) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



RIGHT REVERSE CURVE

W1-4C(R) 48 x 48 16.00 SF

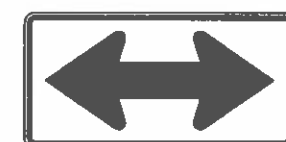
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



ARROW

W1-6 48 x 24 8.00 SF
W1-6E 60 x 30 12.50 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)



DOUBLE ARROW

W1-7 48 x 24 8.00 SF
W1-7E 60 x 30 12.50 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE
(REFLECTORIZED)

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY TRAFFIC ENGINEER: *David Smith* DATE: 6/22/10

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TC510-1 00

T-510

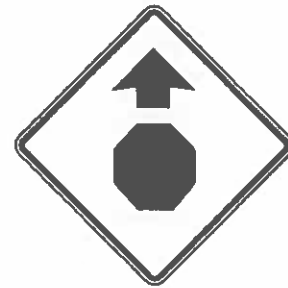
DESCRIPTION	REVISIONS	DATE
CHANGE DESIGN NUMBER		07/19/10



CHEVRON

W1-8 18 x 24 3.00 SF
W1-8E 30 x 36 7.50 SF
W1-8F 36 x 48 12.00 SF

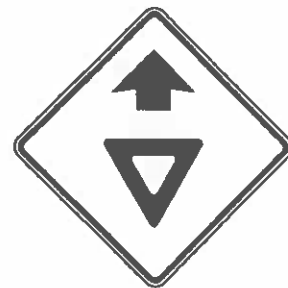
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



STOP AHEAD

W3-1 48 x 48 16.00 SF

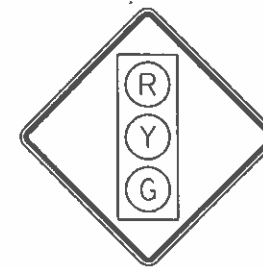
COLOR:
BORDER AND ARROW:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)
SYMBOL:
WHITE BORDER ON RED BACKGROUND (REFLECTORIZED)



YIELD AHEAD

W3-2 48 x 48 16.00 SF

COLOR:
BORDER AND ARROW:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)
SYMBOL:
WHITE BORDER ON RED BACKGROUND (REFLECTORIZED)



SIGNAL AHEAD

W3-3 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)
R = RED (REFLECTORIZED)
Y = YELLOW (REFLECTORIZED)
G = GREEN (REFLECTORIZED)



BE PREPARED TO STOP

BE PREPARED TO STOP SIGN

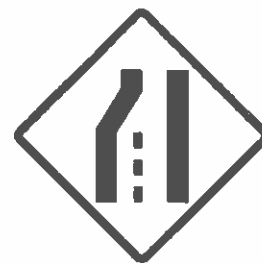
W3-4 48 x 48 16.00 SF
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



SPEED REDUCTION

W3-5 48 x 48 16.00 SF

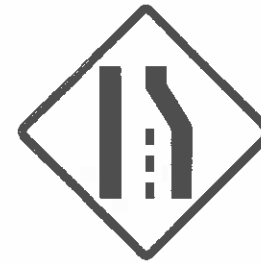
COLOR:
BORDER AND ARROW:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)
SYMBOL:
BLACK BORDER AND TEXT ON
WHITE BACKGROUND (REFLECTORIZED)



LEFT LANE ENDS

W4-2(L) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



RIGHT LANE ENDS

W4-2(R) 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



ROAD NARROWS

ROAD NARROWS

W5-1 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



NARROW BRIDGE

NARROW BRIDGE

W5-2 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)

NOTES:
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ONE LANE BRIDGE

W5-3 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



DIVIDED HIGHWAY

W6-1 48 x 48 16.00 SF

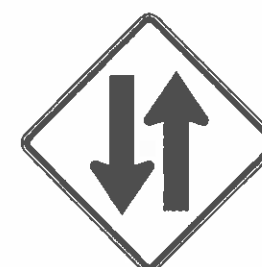
COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



DIVIDED HIGHWAY

W6-2 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



TWO WAY TRAFFIC SIGN

W6-3 48 x 48 16.00 SF

COLOR:
SYMBOL AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY TRAFFIC ENGINEER *[Signature]* DATE: 8/6/10

TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS11-1 01

T-511

TRFC36 U:\Traffic\TRAFFIC STD CURRENT\2009\DRAWINGS\TCS11-1-01.dgn 10:38:39 AM 7/19/2010 R:\TRAFFIC\erovh\pen R:\TRAFFIC\erovh\pen



LOW SHOULDER SIGN

W8-9 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



UNEVEN LANES SIGN

W8-11 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



NO CENTER LINE SIGN

W8-12 48 x 48 16.00 SF

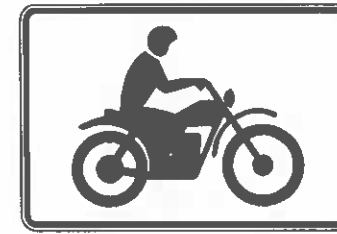
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



GROOVED PAVEMENT SIGN

W8-15 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



MOTORCYCLE (PLAQUE) *

W8-15P 18 x 36 4.50 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)

DESCRIPTION	REVISIONS	DATE

NOTES:
WORD SIGNS MAY BE USED IF SYMBOL SIGNS ARE NOT AVAILABLE EITHER IN "STANDARD HIGHWAY SIGNS MANUAL" OR IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) (CURRENT EDITION).

ALL DIAMOND SHAPE CONSTRUCTION WARNING SIGNS SHALL BE 48 INCHES X 48 INCHES UNLESS OTHERWISE NOTED IN THE PLANS.

* SUPPLEMENTAL SIGNS SHALL ONLY BE USED IN CONJUNCTION WITH DIAMOND SHAPE CONSTRUCTION WARNING SIGNS. THE SIZE OF SUPPLEMENTAL SIGNS SHALL BE APPROPRIATE FOR USE WITH A 48 INCH X 48 INCH WARNING SIGN UNLESS OTHERWISE NOTED IN THE PLANS.



SHOULDER DROP-OFF (SYMBOL)

W8-17 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



SHOULDER DROP-OFF (PLAQUE) *

W8-17P 18 x 36 4.50 SF

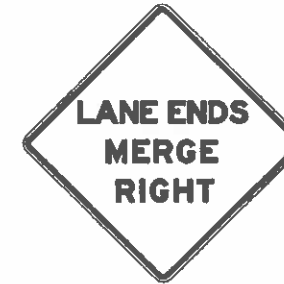
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



LANE ENDS MERGE LEFT SIGN

W9-2(L) 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



LANE ENDS MERGE RIGHT SIGN

W9-2(R) 48 x 48 16.00 SF

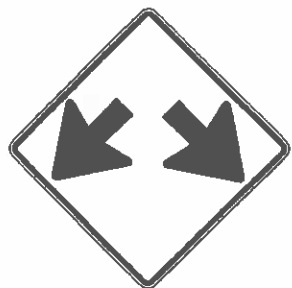
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



TRUCK CROSSING SIGN

W11-10 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



DOUBLE ARROW SIGN

W12-1 48 x 48 16.00 SF

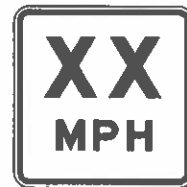
COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



CLEARANCE SIGN

W12-2 48 x 48 16.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



ADVISORY SPEED SIGN *

W13-1P 18 x 18 2.25 SF
W13-1PE 24 x 24 4.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)



XX FEET SIGN *

W16-2P 24 x 18 3.00 SF
W16-2PE 30 x 24 5.00 SF

COLOR:
LEGEND AND BORDER:
BLACK (NON-REFLECTORIZED)
BACKGROUND:
FLUORESCENT ORANGE (REFLECTORIZED)

BASIS OF PAYMENT

ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY: *Chris G. Smith* DATE: 6/23/10
TRAFFIC ENGINEER

TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS13-1 00

T-513

TRFPC36_M:\2009 Standards TC\1513.dgn 8:19:50 AM 6/27/2010 d:\usr2\hib\arohy\pen R:\TRAF PLOT\bw.tbl

DESCRIPTION	REVISIONS	DATE



ROAD WORK SIGN

W20-1 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



DETOUR SIGN

W20-2 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



ROAD CLOSED SIGN

W20-3 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



STREET CLOSED SIGN

W20-3A 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



ONE LANE ROAD SIGN

W20-4 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



LEFT LANE CLOSED SIGN

W20-5(L) 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



RIGHT LANE CLOSED SIGN

W20-5(R) 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



FLAGGER SIGN

W20-7 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



FLAGGER SIGN

W20-7a 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



WORKERS SIGN

W21-1 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



FRESH OIL SIGN

W21-2 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)



ROAD MACHINERY AHEAD SIGN

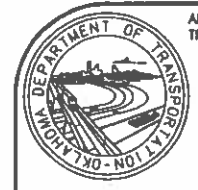
W21-3 48 x 48 16.00 SF
 COLOR:
 LEGEND AND BORDER:
 BLACK (NON-REFLECTORIZED)
 BACKGROUND:
 FLUORESCENT ORANGE (REFLECTORIZED)

NOTES:
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BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



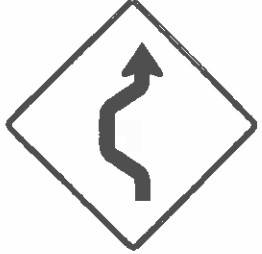
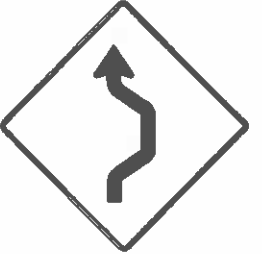
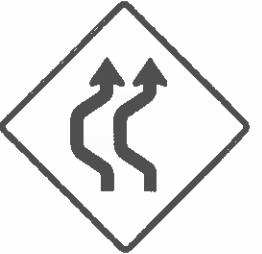
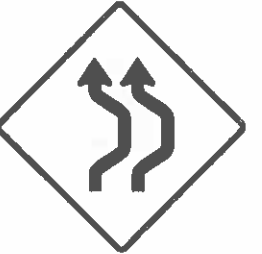
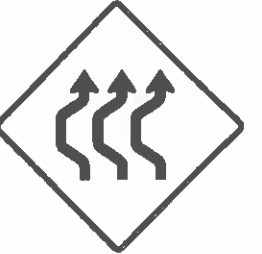
APPROVED BY
 TRAFFIC ENGINEER *David Smalley* DATE: 6/23/10
 TRAFFIC STANDARD

TRAFFIC CONTROL STANDARD
 CONSTRUCTION SIGNS

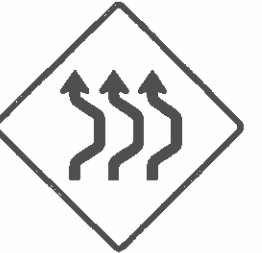

2009 SPECIFICATIONS

TRFPC36 MA\2009_Standard\TC14-1514.dgn 8/3/05 AM 8/23/2010 R:\TRAFFIC_PLOT\arrow\open R:\TRAFF_PLOT\New.dgn

TREP36 MA\2009 Standards TCS16.dgn 8:21:00 AM 6/2/2010 d:\usr2\jib\erofb\pen R:\TRAFFIC\PLANT\bw.tbl

 <p>DOUBLE REVERSE CURVE (1 LANE) W24-1(L) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>	 <p>DOUBLE REVERSE CURVE (1 LANE) W24-1(R) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>	 <p>DOUBLE REVERSE CURVE (2 LANE) W24-1a(L) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>	 <p>DOUBLE REVERSE CURVE (2 LANE) W24-1a(R) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>	 <p>DOUBLE REVERSE CURVE (3 LANE) W24-1b(L) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>
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DESCRIPTION	REVISIONS	DATE

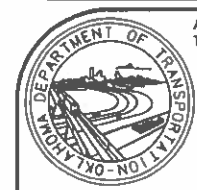
 <p>DOUBLE REVERSE CURVE (3 LANE) W24-1b(R) 48 X 48 16.00 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>	 <p>ALL LANES*</p> <p>W24-1cP 24 X 24 4.00 SF W24-1cEP 30 X 30 6.25 SF</p> <p>COLOR: LEGEND AND BORDER: BLACK (NON-REFLECTORIZED) BACKGROUND: FLUORESCENT ORANGE (REFLECTORIZED)</p>
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BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY TRAFFIC ENGINEER: *Charles Smith* DATE: 6/23/10

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS16-1 00
T-516

DESCRIPTION	REVISIONS	DATE
CHANGED DESCRIPTIONS		3/15/2011



Dimensions are in inches.tenths

SIGN NUMBER	CS-13
WIDTH x HGHT.	2'-0" x 1'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	2.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
B	E	G	I	N		D 2000
4.8	8.2	11.3	14.9	16.5		14.4



Dimensions are in inches.tenths

SIGN NUMBER	CS-13E
WIDTH x HGHT.	3'-0" x 1'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
B	E	G	I	N		D 2000
7.2	12.3	16.9	22.3	24.7		21.6

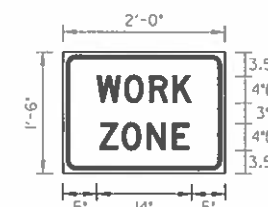


Dimensions are in inches.tenths

SIGN NUMBER	CS-13F
WIDTH x HGHT.	4'-0" x 1'-6"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	6.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
B	E	G	I	N		E 2000
7.1	15.2	22.6	30.9	34.4		33.8

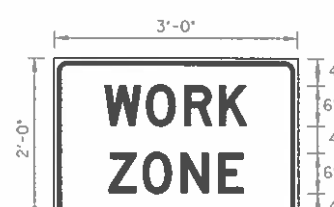
FLO* = FLUORESCENT ORANGE



Dimensions are in inches.tenths

SIGN NUMBER	CS-14
WIDTH x HGHT.	2'-0" x 1'-6"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

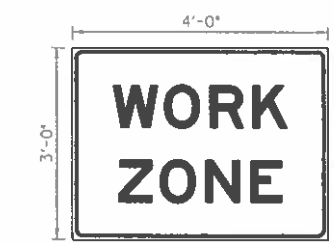
LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
W	O	R	K			D 2000
5	9.1	12.8	16.2			14
Z	O	N	E			D 2000
5.4	8.7	12.5	16.1			13.2



Dimensions are in inches.tenths

SIGN NUMBER	CS-14E
WIDTH x HGHT.	3'-0" x 2'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	6.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

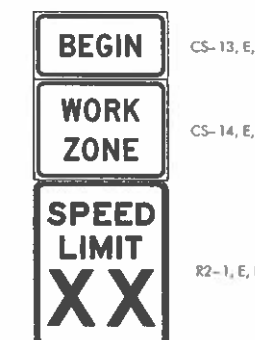
LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
W	O	R	K			D 2000
7.5	13.6	19.2	24.3			21
Z	O	N	E			D 2000
8.1	13.1	18.7	24.2			19.8



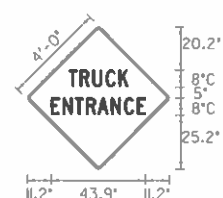
Dimensions are in inches.tenths

SIGN NUMBER	CS-14F
WIDTH x HGHT.	4'-0" x 3'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	12.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: FLO*
LEGENDBORDER	TYPE: Non-Reflective COLOR: Black

LETTER POSITIONS (X)					LENGTH	SERIES/SIZE
W	O	R	K			E 2000
7.6	17.2	25.7	33.8			32.9
Z	O	N	E			E 2000
8.5	16.4	24.9	33.5			31



CONSTRUCTION
BEGIN WORK ZONE
SPEED LIMIT
ASSEMBLY



Dimensions are in inches.tenths

SIGN NUMBER	CS-15
WIDTH x HGHT.	4'-0" x 4'-0"
BORDER WIDTH	0.75'
CORNER RADIUS	1.38'
MOUNTING	Ground
SIGN AREA	16.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: Yellow
LEGENDBORDER	TYPE: Reflective COLOR: Black

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
T	R	U	C	K							C 2000
19.3	24.5	30.4	36.5	42.5							27.7
E	N	T	R	A	N	C	E				C 2000
11.2	16.7	22.3	27.5	32.7	38.9	45	51.1				43.9

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
880(B)	CONSTRUCTION SIGNS	SD



APPROVED BY
TRAFFIC ENGINEER: *David Shady* DATE: 3/21/11

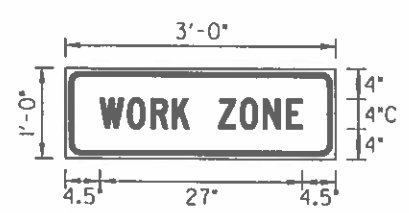
TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS19-1 01
T-519

SS&S

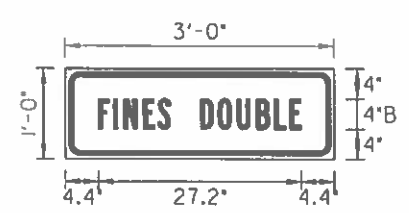
DESCRIPTION	REVISIONS	DATE
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SIGN NUMBER	CS-16
WIDTH x HGHT.	3'-0" x 1'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

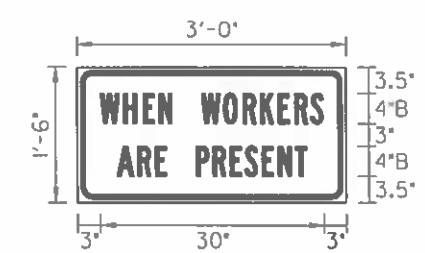
LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
W	O	R	K	Z	O	N	E					C 2000
4.5	8	11.2	14.1	16.3	20.3	23.2	26.3	29.5			27	



SIGN NUMBER	CS-17
WIDTH x HGHT.	3'-0" x 1'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	3.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

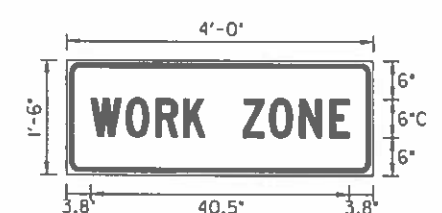
LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
F	I	N	E	S	D	O	U	B	L	E				B 2000
4.4	6.5	7.9	10.5	12.4	14.1	18.1	20.5	23.1	25.7	28	30.1	27.2		



SIGN NUMBER	CS-18
WIDTH x HGHT.	3'-0" x 1'-6"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	4.5 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

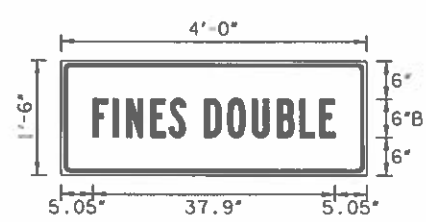
LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
W	H	E	N		W	O	R	K	E	R	S		B 2000	
3	6.1	8.7	10.9	12.6	16.6	19.6	22.2	24.6	27	29.1	31.3	30		
A	R	E		P	R	E	S	E	N	T			B 2000	
5.3	8	10.3	11.9	15.9	18.1	20.5	22.4	24.8	26.9	29.2		25.5		



SIGN NUMBER	CS-16E
WIDTH x HGHT.	4'-0" x 1'-6"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	6.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: Orange
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

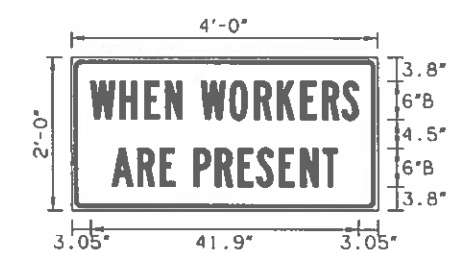
LETTER POSITIONS (X)											LENGTH	SERIES/SIZE
W	O	R	K	Z	O	N	E					C 2000
3.8	9	13.8	18.2	21.5	27.5	31.8	36.5	41.2			40.5	



SIGN NUMBER	CS-17E
WIDTH x HGHT.	4'-0" x 1'-6"
BORDER WIDTH	0.63'
CORNER RADIUS	1.5'
MOUNTING	Ground
SIGN AREA	6.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
F	I	N	E	S	D	O	U	B	L	E				B 2000
5.1	8.2	10.3	14.2	17.1	22.7	26.2	30.1	34	37.5	40.7	37.9			



SIGN NUMBER	CS-18E
WIDTH x HGHT.	4'-0" x 2'-0"
BORDER WIDTH	0.63'
CORNER RADIUS	1.13'
MOUNTING	Ground
SIGN AREA	8.0 Sq.Ft.
BACKGROUND	TYPE: Reflective COLOR: White
LEGEND/BORDER	TYPE: Non-Reflective COLOR: Black

Dimensions are in inches, tenths

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE
W	H	E	N	W	O	R	K	E	R	S			B 2000	
3	7.7	11.6	14.9	20.4	24.9	28.8	32.4	36	39.2	42.4	41.9			
A	R	E		P	R	E	S	E	N	T			B 2000	
6.4	10.5	14	19.3	22.7	26.3	29.1	32.7	35.9	39.3			35.2		

WORK ZONE

CS-16, E

FINES DOUBLE

CS-17, E

WHEN WORKERS ARE PRESENT

CS-18, E

CONSTRUCTION
FINES DOUBLE
ASSEMBLY

BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
860(B)	CONSTRUCTION SIGNS	SD



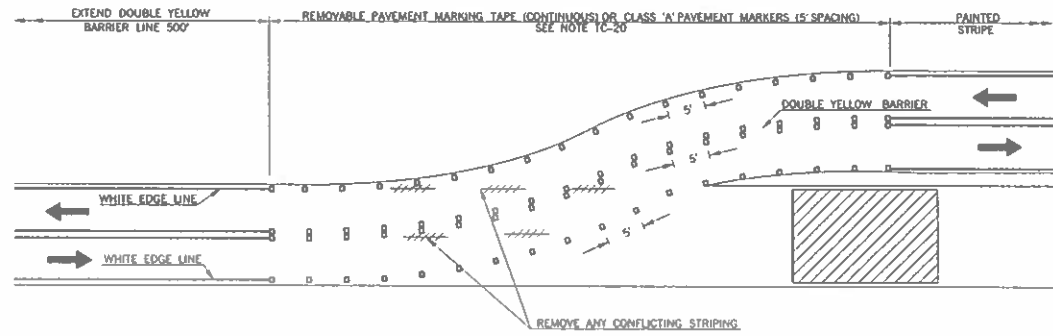
APPROVED BY
TRAFFIC ENGINEER *David J. Smith* DATE 5/23/10

TRAFFIC STANDARD
TRAFFIC CONTROL STANDARD
CONSTRUCTION SIGNS

2009 SPECIFICATIONS

TCS20-1 00
T-520

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CONSTRUCTION ZONE PAVEMENT MARKINGS THRU SHOO-FLY

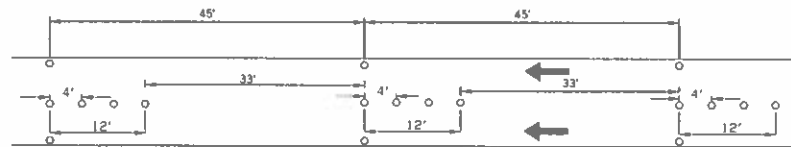


**ONE-WAY PAVEMENT MARKING
REMOVABLE TAPE OR PAINT**

PAVEMENT MARKINGS: REMOVABLE TAPE OR PAINT
 WIDTH OF STRIPED LANE LINES SHALL BE A MINIMUM OF 4".
 INTERMEDIATE-TERM STATIONARY PAVEMENT MARKINGS ARE THOSE THAT MAY BE USED UNTIL THE EARLIEST DATE WHEN IT IS PRACTICAL AND POSSIBLE TO INSTALL PERMANENT PAVEMENT MARKINGS THAT MEET THE FULL OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARDS FOR PAVEMENT MARKINGS.

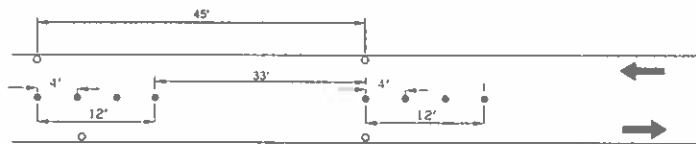


**TWO-WAY PAVEMENT MARKING
REMOVABLE TAPE OR PAINT**



**ONE-WAY PAVEMENT MARKING
FLEX TABS**

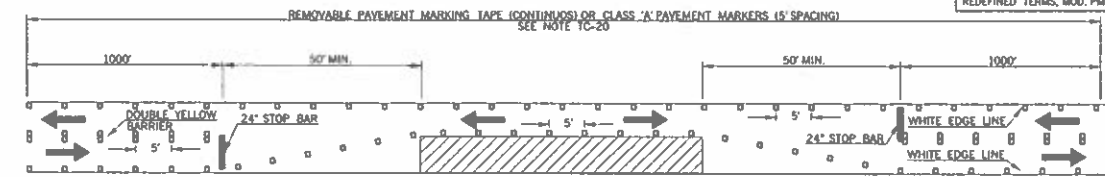
PAVEMENT MARKINGS: FLEX TABS
 TYPE I - FLEX TAB MARKERS SHALL HAVE REFLECTORIZED MATERIAL ON BOTH SIDES.
 TYPE II - FLEX TAB MARKERS SHALL HAVE REFLECTORIZED MATERIAL ON BOTH SIDES AND SHALL HAVE A CLEAR REMOVABLE COVER.
 FLEX TABS MAY BE INSTALLED AS SHOWN FOR LONG-TERM STATIONARY PAVEMENT MARKINGS.



**TWO-WAY PAVEMENT MARKING
FLEX TABS**

INTERMEDIATE-TERM STATIONARY PAVEMENT MARKINGS

DESCRIPTION	REVISIONS	DATE
ADDED TRAFFIC STRIPE NOTES		4/7/02
REDEFINED TERMS, MOD. PM SPACING		4/2/2013



**TYPICAL PAVEMENT MARKINGS FOR ONE LANE CLOSURE ON TWO LANE /TWO WAY ROADWAY
REMOVABLE TAPE OR CONSTRUCTION ZONE PAVEMENT MARKERS**

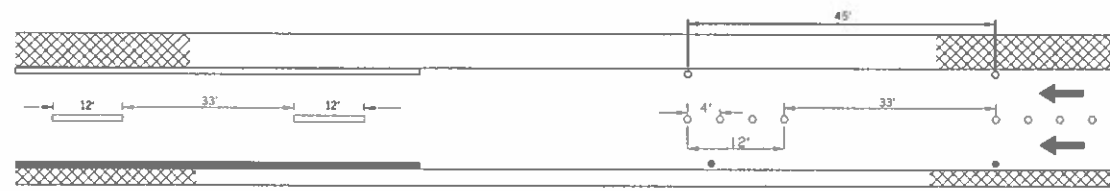
NOTES:
 CONSTRUCTION ZONE PAVEMENT MARKINGS SHALL CONSIST OF EITHER PAINT, CONSTRUCTION ZONE PAVEMENT MARKERS (FLEX TABS) OR REMOVABLE MARKING TAPE. THERMO-PLASTIC STRIPE MAY BE USED IN CONJUNCTION WITH PAINT, FLEX TABS OR TAPE WHEN SPECIFIED IN THE PLANS.
 ALL PAVEMENT MARKINGS TO BE PLACED ON TEMPORARY SURFACES OR ON SURFACES SCHEDULED TO BE REMOVED SHALL BE DONE WITH PAINT UNLESS OTHERWISE SHOWN IN THE PLANS OR STANDARD DRAWINGS. ALL FINAL OR FINISHED SURFACES SHALL BE MARKED WITH EITHER REMOVABLE PAVEMENT MARKING TAPE OR CONSTRUCTION ZONE PAVEMENT MARKERS, UNLESS OTHERWISE NOTED ON THE PLANS.
 WIDTH OF STRIPED LANE LINES SHALL BE A MINIMUM OF 4".

KEY:

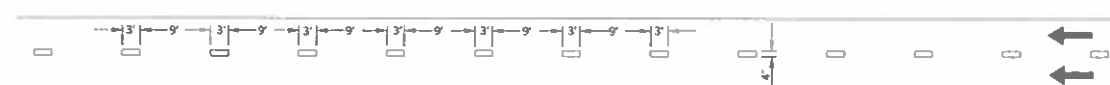
	WORK ZONE
	WHITE LANE LINE (PAINT OR TAPE)
	YELLOW LANE LINE (PAINT OR TAPE)
	WHITE FLEX TAB
	YELLOW FLEX TAB
	CLASS A PAVEMENT MARKER



TWO-LANE /TWO-WAY



**4 -LANE
DIVIDED ROADWAY**



**WHITE DOTTED LINE
LONG-TERM STATIONARY PAVEMENT MARKINGS**

MUTCD DEFINITIONS OF THE FIVE CATEGORIES OF WORK DURATION, AND THEIR TIME AT A LOCATION SHALL BE:
 A. LONG-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN 3 DAYS.
 B. INTERMEDIATE-TERM STATIONARY IS WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
 C. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
 D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
 E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY.



APPROVED BY
 TRAFFIC ENGINEER: *[Signature]* DATE: 4/18/2013

TRAFFIC STANDARD
 TRAFFIC CONTROL STANDARD
 CONSTRUCTION ZONE PAVEMENT MARKINGS

\$\$\$date\$\$\$

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: May 21, 2024
Subject: Approval of Contract with Merritt Sealing Company dba Merritt Tennis and Track System for Ripper Park Pickle Ball Courts

BACKGROUND

The City of Bethany received a TSET grant in the amount of \$80,000 to be used for the construction of a pickle ball court. The proposed court will be located at the Ripper Park tennis courts. Converting one tennis court will result in the creation of 4 pickle ball courts.

Bids were opened May 1, 2024. City engineers, TEIM Design, recommend award to Merritt Sealing Company dba Merritt Tennis and Track System in the amount of \$89,182.47

RECOMMENDATION

1. Approval of Construction Contract with Merritt Sealing Company dba Merritt Tennis and Track System in the amount of \$89,182.47.

ADDITIONAL COMMENTS

Funding will be provided by the Tobacco Settlement Endowment Trust Grant accounted for in the Capital Improvement Fund.

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



TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 12, 2024

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

Re: Ripper Park Pickelball Courts

Dear Ms. Gray,

Attached for your review and disposition please find the BID Tabulation for the above-mentioned project. The bids were received, May 1, 2024, and all bid bonds and affidavits were found to be in order. The two bids were tabulated correctly.

Therefore, we recommend the award of the contract to Merritt Sealing Company dba Merritt Tennis and Track System for the base bid only in the amount of \$89,182.47.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'RW S', written over a light blue circular stamp.

Robbie Williams, PE

Attachment: Contract, Bonds, and Insurance Certificate
Bid Tab

BID TABULATION - MAY 1, 2024
 RIPPER PARK PICKELBALL COURTS

Summary of Pay Quantities					Engineers Estimate		Merritt Tennis and Track Systems		Rudy Construction Co	
Item Number	Lot Name	Title	Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	Base Bid	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION	1.00	lump sum	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00
2	Base Bid	NOT USED								
3	Base Bid	ASPHALT CRACK REPAIR	1,500.00	linear foot	\$3.00	\$4,500.00	\$2.00	\$3,000.00	\$10.00	\$15,000.00
4	Base Bid	ASPHALT CONCRETE (PG 76-28 OK) SUPER PAVÉ TYPE SS (3 INCHES) (ODOT SPEC 411)	785.00	square yard	\$50.40	\$39,564.00	\$48.41	\$38,001.85	\$50.00	\$39,250.00
5	Base Bid	TACK COAT (ODOT SPEC 407)	76.00	gallons	\$5.00	\$380.00	\$2.00	\$152.00	\$8.00	\$608.00
6	Base Bid	3-INCH ASPHALT EDGE RAIL	352.00	linear foot	\$8.00	\$2,816.00	\$21.31	\$7,501.12	\$10.00	\$3,520.00
7	Base Bid	PLEXIPAVE SURFACE APPLICATION FOR APSHALT	785.00	square yard	\$36.00	\$28,260.00	\$31.50	\$24,727.50	\$65.00	\$51,025.00
8	Base Bid	STRIPE (PAINT) (2 INCH WIDE) (WHITE)	800.00	linear foot	\$4.00	\$3,200.00	\$1.00	\$800.00	\$2.00	\$1,600.00
9	Base Bid	INSTALL NET WITH POSTS AND FOOTINGS	4.00	each	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00	\$5,000.00	\$20,000.00
10	ALTERNATE 1	SIDEWALK (4FT)	100.00	square yard	\$100.00	\$10,000.00	\$130.00	\$13,000.00	\$150.00	\$15,000.00
						Based Bid Plus Alternate No. 1 Total:	\$109,720.00	\$102,182.47		\$147,003.00
						Based Bid Total:	\$99,720.00	\$89,182.47		\$132,003.00
						Alternate No 1 Total:	\$10,000.00	\$13,000.00		\$15,000.00

CONSTRUCTION CONTRACT

This Contract is made and entered into on the 21st day of May, 2024, by and between the City of Bethany, an Oklahoma Municipal Corporation, hereinafter called "City," and Merritt Sealing Company dba Merritt Tennis and Track Systems a(n) _____, hereinafter called "Contractor."

WITNESSETH:

WHEREAS, in accordance with the Charter of the City of Bethany and the Public Competitive Bidding act of 1974, 61 Okla. Stat. §§ 101 et seq. (hereinafter collectively referred to as "local and state law"), the City has caused to be prepared certain plans, specifications, and other bidding documents (the "Bidding Documents") for the work hereinafter described; and,

WHEREAS, in accordance with local and state law, the City has approved and adopted all of said Bidding Documents and has caused a Solicitation for Bids to be given and advertised and has received sealed bids for the furnishing of all labor and materials for:

RIPPER PARK PICKLEBALL COURTS

as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of this Contract; and,

WHEREAS, Contractor, in response to said Solicitation for Bids, has submitted to the City, in the manner and at the time specified, a sealed bid in accordance with the terms of the Bidding Documents; and,

WHEREAS, the City, in the manner provided by local and state law, has publicly opened, examined and canvassed the bids submitted and has determined and declared the above-named Contractor to be the lowest responsible bidder on the above-described project; and,

WHEREAS, the City has duly awarded this Contract to said Contractor, for the sum named in the bid, to-wit:

Eighty Nine Thousand One Hundred Eighty Two and 47/100 Dollars (\$89,182.47).

NOW THEREFORE, in consideration of the mutual promises, covenants, and conditions herein stated and in consideration of the mutual benefits, which will accrue to the parties, the sufficiency of which is acknowledged by the parties, the parties agree as follows:

1. Incorporation of Bidding Documents. This Contract hereby incorporates, as if fully set out herein, the Plans, Specifications, General Provisions, Special Provisions, Contractor's Proposal and any and all Addendums issued. All of these documents have been provided to and/or by the Contractor and are on file in the Office of the City Clerk of the City of Bethany. Hereinafter, these documents shall be collectively referred to as "Bidding Documents."
2. Engagement of Contractor. The City hereby engages Contractor to perform certain construction services for the benefit of the City. Contractor accepts such engagement pursuant to the terms and conditions set forth herein. The Contractor is, and shall be, in the performance of all work, services

and activities an independent contractor, and not an employee, agent, or servant of the City of Bethany. The tort liability of the City of Bethany is exclusively governed by the Oklahoma Governmental Tort Claims Act.

3. Scope of Engagement. Contractor shall, in a good and first-class, workmanlike manner, at its own cost and expense, furnish all labor, materials, tools and equipment required to perform and complete said work in strict accordance with the Bidding Documents, with the following additions and/or exceptions: (if none, so state.)
4. Payments to Contractor. The City shall make payments to the Contractor only after approval of the City Council. Contractor's invoice must be accompanied by signed affidavit as required by Oklahoma Statutes.
5. Bargaining. The City and the Contractor have had the opportunity to seek independent legal counsel before entering into this Contract. The language of this Contract shall be construed simply, according to its fair meaning, and not strictly for or against either party.
6. Hold Harmless. To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City of Bethany from and against claims, damages, losses and expenses, including but not limited to attorneys' fees, arising out of or resulting from performance of the project, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, other than the project itself, including loss of use resulting therefrom, but only to the extent caused in whole or in part by negligent acts or omissions of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Paragraph. In claims against any person or entity indemnified under this Paragraph by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph shall not be limited on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workmen's compensation acts.
7. Third Party Beneficiaries. Nothing in this Contract, expressed or implied, is intended to confer upon any person other than the parties hereto and their respective assigns, any rights or remedies under or by reason of this Contract, except as provided expressly herein.
8. Notices. Whenever a notice is required to be given in writing and under the terms of this Contract, or any extension hereunder, such notice shall either be hand-delivered or mailed by certified mail, return receipt requested, and directed to the respective parties at the following addresses:

If to the City:

City of Bethany
6700 NW 36th Street
Bethany, OK 73008

If to Contractor:

Merritt Sealing Company dba
Merritt Tennis and Track Systems
917 N. Tulsa Ave STE B
OKC, OK 73107

or at such other address as a party shall specify by like notice to the other party hereto. Notices shall be effective on the date of delivery.

9. Counterparts. This Contract may be executed in any number of counterparts, and when each party has signed and delivered to the other at least one (1) such counterpart, each counterpart shall be deemed an original, and when taken together with other signed counterparts, shall constitute one (1) agreement; provided, however, this Contract shall not be binding upon the parties hereto until signed by all of the parties.
10. Integration and Amendments. This Contract constitutes the entire agreement between the parties and may not be amended, altered, modified or changed in any way except in writing signed by all parties to this Contract and which specifically references this Contract. There are no other agreements, representations or warranties, whether oral or written, regarding the subject matter of this Contract. No course of dealings involving the parties hereto and no usage of trade shall be relevant or admissible to interpret, supplement, explain or in any way vary any of the terms expressly set forth in this Contract. Any amendment to this Contract shall be attached to this Contract and all of the terms in this Contract not addressed in the amendment shall remain in full force and effect.
11. Binding Effect. This Contract binds the parties and any successors and assigns of the parties. The contract becomes effective only upon submission of a signed and notarized non-collusion affidavit.
12. Severability. If any one or more of the sections, sentences, clauses, or parts be held invalid for any reason, the invalidity of such section, sentence, clause, or part shall not affect nor prejudice the applicability and validity of any other provision of this Contract.

IN WITNESS WHEREOF, the parties hereto have caused this Contract to be executed on the day and year last written below.

The City of Bethany,
an Oklahoma Municipal Corporation

Mayor's Signature

Date

(SEAL)

ATTEST:

City Clerk

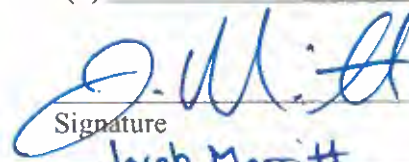
Approved as to form:

City Attorney

Date: _____

Merritt Sealing Company dba
Merritt Tennis and Track Systems,
Contractor

a(n) _____



Signature

Jacob Merritt

Printed Name

VP

Title

ATTEST:



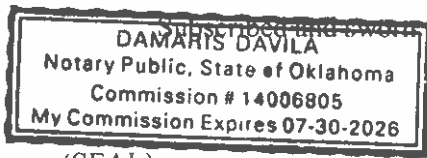
Secretary and/or Witness

NON-COLLUSION AFFIDAVIT

State of Oklahoma)
) ss.
County of _____)

_____, of lawful age, being first duly sworn, on oath, says that (s)he is the agent authorized by the Contractor to submit the above Contract to the City of Bethany, Oklahoma. 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 valuable thing, either directly or indirectly, in the procuring of this Contract.

J. Merritt
Signature
Jacob Merritt/VP
Printed Name/Title



(SEAL)

Subscribed and sworn to before me this 10 day of May, 2024.

[Signature]
Notary Public

My Commission Expires: 7/30/26
My Commission Number: 14006805

CONSTRUCTION BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, ^{Merritt Sealing Company dba} Merritt Tennis & Track Systems, as Principal, and Granite Re, Inc., as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma and the State of Oklahoma, hereinafter referred to as the Government, in the full and just sum Of Eighty Nine Thousand One Hundred Eighty Two and 47/100 Dollars (\$89,182.47) for the payment of which, well and truly to be made, we and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this 21st day of May, A.D., 2024.

The conditions of this obligation are such, that whereas, said Principal is the lowest and best bidder for the making of the following municipal work and improvement, viz:

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the 21st day of May, 2024, for the erection and construction of said work and improvement all in compliance with the plans and specifications therefor, made a part of said contract and on file in the office of the City Clerk, and said contract is hereby made a part and parcel of this bond as if literally written herein.

Merritt Sealing Company dba

NOW, THEREFORE, if the said Principal, Merritt Tennis & Track Systems shall fully and faithfully execute the work and perform said contract according to its terms, conditions and covenants, and in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of THE CITY OF BETHANY and shall promptly pay or cause to be paid, all labor, material and/or repairs and all bids for labor performed on said work, whether by sub-contract or otherwise; and shall protect and save harmless the said Government and all interested property owners against all claims, demands, causes of action, losses or damage, and expense to life or property suffered or sustained by any person, firm or corporation by reason of negligence of the Principal or his or its agents, servants, or employees in the construction of said work, or by or in consequence of any improper execution of the work or act of omission or use of inferior materials by said Principal, or his or its agents, servants, or employees; and shall protect and save the Government harmless from all suits and claims of infringement or alleged infringement of patent rights or processes, then this obligation shall be void. Otherwise this obligation shall 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.

Merritt Sealing Company dba
Merritt Tennis & Track Systems

ATTEST:

Susan Merritt
Secretary

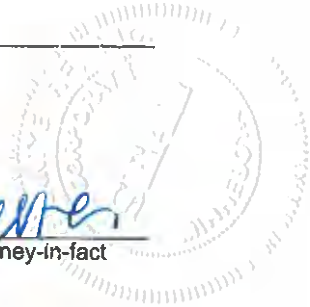
[Signature]
By _____
Principal

Granite Re, Inc.

ATTEST:

Becky Killman
Secretary Becky Killman, Witness

Carey L. Kennemer
By _____
Surety Carey L. Kennemer, Attorney-in-fact



Approved as to form this _____ day of _____, A.D., 20____.

City Attorney

Bond #GR63250

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, ^{Merritt Sealing Company dba} Merritt Tennis & Track Systems, as Principal, and Granite Re, Inc., as Surety, are held and firmly bound unto the CITY OF BETHANY of the State of Oklahoma, in the full and just sum of Eighty Nine Thousand One Hundred Eighty Two and 47/100 Dollars (\$89,182.47), such sum being equal to the contract amount for a period of one (1) year and thereafter for a period of one (1) year for the sum of Thirteen Thousand Three Hundred Seventy-Seven and 37/100 Dollars (\$13,377.37), such sum being not less than 15% of the contract price, for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors, and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this 21st day of May, A.D., 2024.

The conditions of this obligation are such, that whereas, said Principal, has a certain contract between ^{Merritt Sealing Company dba} Merritt Tennis & Track Systems and the CITY OF BETHANY dated this 21st day of May, 2024, agreed to construct in the City of Bethany:

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

all in compliance with the plans and specifications therefore, made a part of said Contract and on file in the office of the City Clerk of the City of Bethany; and to maintain the said improvement in the amounts set forth above against any failure due to workmanship or material for a period of **two (2) year** from the date of acceptance of the completed project by the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal shall pay or cause to be paid to the Authority all damage, loss, and expense which may result by reason of defective materials and/or workmanship in connection with said work, occurring within a period of **two (2) years** from and after acceptance of said project by the Authority; and if Principal shall pay or cause to be paid all labor and materials, including the prime contractor and all sub-contractors; and if Principal shall save and hold the Authority harmless from all damages, loss, and expense occasioned by or resulting from any failure whatsoever of said Principal, then this obligation shall be null and void, otherwise to be and remain in full force and effect.

It is further agreed that if the said Principal or Surety herein shall fail to maintain said improvements against any failure due to defective workmanship and/or materials for a period of **two (2) years** and at any time repairs shall be necessary that the cost of making repairs shall be determined by the CITY OF BETHANY, or some person(s) designated by them to ascertain the same, and if, upon thirty (30) days notice, the said amount ascertained shall not be paid by the Principal or Surety herein, or if the necessary repairs are not made, that said amount shall become due upon the expiration of thirty (30) days and suit may be maintained to recover the amount so determined in any Court of competent jurisdiction. And that the amount so determined shall be conclusive upon the parties as to the amount due on this bond for the repair or repairs included therein, and that the cost of all repairs shall be so determined from time to time during the life of this bond as the condition of the improvements may require.

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.

Merritt Sealing Company dba
Merritt Tennis & Track Systems

ATTEST:

Susan Merritt
Secretary

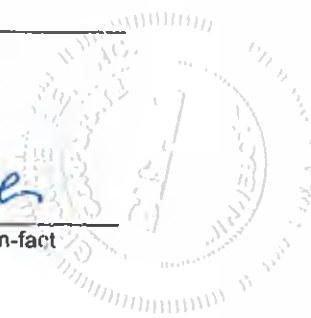
By [Signature]
Principal

Granite Re, Inc.

ATTEST:

Becky Killman
Secretary Becky Killman, Witness

By [Signature]
Surety Carey L. Kenemer, Attorney-in-fact



Approved as to form this ____ day of _____, A.D., 20____.

City Attorney

STATUTORY BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, ^{Merritt Sealing Company dba} Merritt Tennis & Track Systems, as Principal, and Granite Re, Inc., as Surety, are held

and firmly bound unto the STATE OF OKLAHOMA in the sum of Eighty Nine Thousand One Hundred Eighty Two and 47/100 Dollars (\$89,182.47), for the payment of which, well and truly to be made, we, and each of us, bind ourselves, our heirs, executors and assigns, themselves, and its successors and assigns, jointly and severally, firmly by these presents.

Dated this 21st day of May, A.D., 20 24.

The conditions of this obligation are such, that whereas, the above Bonded ^{Merritt Sealing Company dba} Principal Merritt Tennis & Track Systems is the lowest and best bidder for the making of the following municipal work and improvements, viz:

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

and has entered into a certain written contract with the CITY OF BETHANY on the 21st day of May, 2024, for the erection and construction of said work and improvement, in exact accordance with the bid of said Principal, and according to certain plans and specifications heretofore made, adopted and placed on file in the office of the City Clerk of the CITY OF BETHANY.

NOW, THEREFORE, if the said Principal, shall fail or neglect to pay all indebtedness incurred by said Principal or subcontractor of said Principal who perform work in the performance of such, for labor and materials furnished by any supplier and consumed in the performance of said contract, and such repairs to and rental of machinery and equipment as may be furnished by a sub-contractor or to the person or persons contracting with this Authority 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 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.

ATTEST:

Susan Merritt
Secretary

Merritt Sealing Company dba
Merritt Tennis & Track Systems

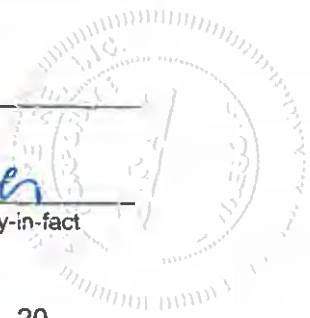
By [Signature]
Principal

ATTEST:

Becky Killman
Secretary Becky Killman, Witness

Granite Re, Inc.

By Carey L. Kennemer
Surety Carey L. Kennemer, Attorney-in-fact



Approved as to form this ____ day of _____, A.D., 20 ____.

City Attorney

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of MINNESOTA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

TRAVIS E. BROWN; THOMAS C. PERRAULT; STEPHEN M. POLEMAN; VAUGHN GRAHAM; J. KELLY DEER; JOSHUA D. BRYAN; RICH HAVERFIELD; JAMIE BURRIS; VAUGHN GRAHAM, JR; DEBORAH L. RAPER; MARK D. NOWELL; KYLE BRADFORD; KENT BRADFORD; DWIGHT A. PILGRIM; SHELLI R. SAMSEL; VICKI WILSON; AUSTIN K. GREENHAW; CLAYTON HOWELL; GARY LILES; RANDY D. WEBB; BOBBY JOE YOUNG; AARON WOOLSEY; CAREY L. KENNEMER; KRISTIN B. LEWIS; BECKY KILLMAN; FAITH BURLESON for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

TRAVIS E. BROWN; THOMAS C. PERRAULT; STEPHEN M. POLEMAN; VAUGHN GRAHAM; J. KELLY DEER; JOSHUA D. BRYAN; RICH HAVERFIELD; JAMIE BURRIS; VAUGHN GRAHAM, JR; DEBORAH L. RAPER; MARK D. NOWELL; KYLE BRADFORD; KENT BRADFORD; DWIGHT A. PILGRIM; SHELLI R. SAMSEL; VICKI WILSON; AUSTIN K. GREENHAW; CLAYTON HOWELL; GARY LILES; RANDY D. WEBB; BOBBY JOE YOUNG; AARON WOOLSEY; CAREY L. KENNEMER; KRISTIN B. LEWIS; BECKY KILLMAN; FAITH BURLESON may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Assistant Secretary, this 31st day of July, 2023.

STATE OF OKLAHOMA)
) SS:
 COUNTY OF OKLAHOMA)



 Kenneth D. Whittington, President

 Kyle P. McDonald, Assistant Secretary

On this 31st day of July, 2023, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Assistant Secretary of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Assistant Secretary of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Assistant Secretary, respectively, of the Company.

My Commission Expires:
 April 21, 2027
 Commission #: 11003620



 Notary Public

GRANITE RE, INC.
 Certificate

THE UNDERSIGNED, being the duly elected and acting Assistant Secretary of Granite Re, Inc., a Minnesota Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Assistant Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this
 21st day of May, 2024.



 Kyle P. McDonald, Assistant Secretary

Agenda: 05/21/2024
Item: 13
BPWA Item: 6

BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY

From: Elizabeth Gray, City Manager
Date: May 14, 2024
Subject: Approval of Notice to Proceed to Krapff-Reynolds Construction Co. for sanitary sewer replacement as part of the Water and Wastewater Repair Services Contract

BACKGROUND

The residential structure at 6400 NW 31st Terrace was recently acquired by the City of Bethany. With the structure set for demolition, the existing sanitary sewer will need to be replaced utilizing the Water and Wastewater Repair Services Contract awarded to Krapff-Reynolds Construction Co. The cost was established from the unit prices bid in the contract for Water and Wastewater Repair Services. Upon City Council approval a Notice to Proceed will be issued to the contractor.

RECOMMENDATION

1. Approval of the use of the on call services contract for Water and Wastewater Repair Services with Krapff-Reynolds Construction Co. for Sanitary Sewer Replacement at 6400 NW 31st Terrace as part of the residential structure demolition in the not to exceed amount of \$92,575.00.



ADDITIONAL COMMENTS

Funding will be provided from Account 056-512.2-342 Sewer Maintenance and Repairs.



TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 14, 2024

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

Re: 6400 NW 31st Terrace - Sewer line replacement

Dear Ms. Gray,

Attached for your review and disposition please find the Construction Cost for the above reference project. Unit Cost were taken from the City of Bethany contract with Krapff-Reynolds Construction Co. for Water and Wastewater Repair Services. This is to replace 100 linear feet of 8-inch sanitary sewer line located at 6400 NW 31st Terrace to repair a damaged section of the sanitary sewer.

Construction Cost: \$92,575.00

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Patrick Garrett'.

Patrick Garrett , PE

Attachment: Construction Cost

6400 NW 31st Terrace Sanitary Sewer

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	Trench Excavation and Backfill (10 - 15')	LF	100.00	\$ 425.00	\$ 42,500.00
2	Unclassified Excavation	CY	100.00	\$ 35.00	\$ 3,500.00
3	4' Dia. Manhole	EA	1.00	\$ 7,000.00	\$ 7,000.00
4	Extra Depth Manhole (4')	VF	5.00	\$ 300.00	\$ 1,500.00
5	8" Sanitary Sewer Line	LF	100.00	\$ 65.00	\$ 6,500.00
6	Sanitary Sewer By-Pass Pumping (0 to 750 GPM) (Per Day)	EA	5.00	\$ 4,000.00	\$ 20,000.00
7	Sanitary Sewer Line Testing	LF	100.00	\$ 7.00	\$ 700.00
8	Television Inspection (Sanitary Sewer)	LF	100.00	\$ 12.00	\$ 1,200.00
9	Rehab. Existing Manhole	EA	1.00	\$ 3,500.00	\$ 3,500.00
10	Solid Slab Sod (Area from 0-200SY)	SY	225.00	\$ 7.00	\$ 1,575.00
11	ODOT Type A Aggregate Base	TON	60.00	\$ 70.00	\$ 4,200.00
12	Filter Fabric Silt Fence	LF	4.00	\$ 100.00	\$ 400.00
				TOTAL COST	\$ 92,575.00

Agenda: 05/21/2024

Item: 14

BPWA Item: 7

**BETHANY CITY COUNCIL
BETHANY PUBLIC WORKS AUTHORITY**

From: Elizabeth Gray, City Manager
Date: May 21, 2024
Subject: Approval of ARPA Water Meter Automation Improvements Change Order No. 3 and Amendment No. 3 to the Contract with Southwest Water Works, LLC

BACKGROUND

The City of Bethany passed Resolution No. 1662 giving permission to apply for and match a \$1.5M grant to make improvements to and replace aging, manual read meters and service lines in the City of Bethany with new automated meters. The City was notified of the successful award of this grant, which the City will match with \$1.5M. For a total project of \$3M.

On November 10, 2022, the City of Bethany advertised a request for qualifications for City Engineering services for this project. On December 20, 2022, the council awarded the successful Request for qualifications to TEIM Design. On February 21, 2023, City Council approved the contract for Engineering services and design to TEIM Design.

On July 18, 2023, Council approved the construction contract to Southwest Water Works, LLC for the base bid only in an amount of \$2,702,240.00 as the lowest responsive bidder. Council also approved a deduct Amendment No. 1 to the contract in the amount of \$157,700.00 for a new contract price of \$2,544,540.00.

On October 7, 2023, Council approved Amendment No. 2 and Change Order No. 1 to the Southwest Water Works, LLC contract in a deduct amount of \$165,253.90 for a new contract price of \$2,379,286.10.

On February 6, 2024, Council approved Change Order No. 2 to the contract in an increase amount of \$4,053.75 for a new contract price of \$2,383,339.85.

City Staff and Engineers recommend Change Order No. 3 to the contract in an increase amount of \$71,975.77 and also Amendment No. 3 which is a decrease in the contract amount of \$75,776.25 for a new contract price of \$2,379,539.37.

RECOMMENDATION

1. Authorize Mayor to sign the Change Order No. 3 and Amendment No. 3 in a deduct amount of \$3,800.48 for a new contract price of \$2,379,539.37.

ADDITIONAL COMMENTS





TRANSPORTATION • ENVIRONMENTAL • INFRASTRUCTURE • MUNICIPAL

May 14, 2024

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

Re: Water Meter Automation Project
Change Order No. 3 and Amendment No. 3

Dear Ms. Gray:

I. AMENDMENT NO. 3 - SCOPE AND JUSTIFICATION

The scope of Amendment No. 3 is to amend the existing bid pay item quantities for the adjustment in the contract work that has been completed to install 593 meters. Amendment no. 3 includes an additional 479 meters to be installed. Of the 479 meters to be installed 312 meters will be replaced in the existing meter can and 167 meters will be replaced and the service line to the meter from the water main.

CHANGE ORDER NO. 3 - SCOPE AND JUSTIFICATION

Change Order No 3 adjust Change Order No. 1 items for the contract work that has been completed to date. Change Order No. 3 creates a pay item to furnish and install 1-inch meter in existing meter can; furnish and install 2-inch meter in new meter can; traffic control; video recording pre and post; new meter lid; meter can appurtenances and additional labor; and 6-inch to 8-inch stainless strap and labor.

II. COST ESTIMATE

See Attachment A for the cost breakdown for Amendment No. 3 and Change Order No. 3.

Original Contract Amount:	\$2,702,240.00
Amendment No. 1 (Deduct):	(\$157,700.00)
Amendment No. 2 (Deduct):	(\$283,670.00)
Change Order No. 1 (Add):	\$118,416.10 (4.38%)
Change Order No. 2 (Add):	\$4,053.75 (0.15%)
Amendment No. 3: (Deduct):	(\$75,776.25)
Change Order No. 3: (Add):	\$71,975.77 (2.59%)
Revised Contract Amount:	\$2,379,539.37

The above and foregoing is hereby accepted this 14th day of May 2024 and the undersigned agrees to perform the work as so indicated in this Amendment No. 3 and Change Order No. 3 with said adjustments in the contract sum.

Southwest Water Works, LLC



Project Manager

Name and Title

The prices shown for the Amendment were established by competitive bidding in the original contract and not subject to the Oklahoma Competitive Bidding Act. The prices shown for the Change Order were established by negotiation and appear to be fair and reasonable.



Robbie Williams, P.E.

City Attorney

APPROVED by Council of the City of Bethany this ____ day of _____, 2024.

ATTEST:

CITY CLERK

MAYOR

BETHANY CITY COUNCIL

From: Elizabeth A. Gray, City Manager
Date: May 16, 2024
Subject: Approval of Amendment 1 to the 2024 Calendar Year-Notice to City Clerk Regarding Schedule of Regular Meetings of the Planning & Zoning Commission

BACKGROUND

The Planning & Zoning Commission voted at the May 2, 2024, regular meeting to request the time of their meetings be changed. Motion was made by Steve Marx and seconded by Justin Peck to recommend changing the Planning and Zoning Commission meeting time from 7:00 p.m. to 6:30 p.m. The votes were as follows: AYE- Charles Snyder, Justin Peck, Kent Lynn, Robert Helton, Steve Marx, Ron Crouch, Trent Reid. NAY- None. ABSTAIN- James Clemmer. The motion carried 7-0-1.

RECOMMENDATION

1. Approval of 2024 Calendar Year-Schedule of Regular Meetings Amendment 1, as presented.

ADDITIONAL COMMENTS



Posted on _____, 2024, 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.

**2024 CALENDAR YEAR
AMENDMENT 1**

**SCHEDULE OF REGULAR MEETINGS
OKLAHOMA OPEN MEETING LAW REQUIREMENTS**

MEETING	DATE	TIME	LOCATION
City Council*	1 st and 3 rd Tuesday of each month	6:30 P.M.	City Hall 6700 NW 36 th Street
Bethany Public Works Authority*	1 st and 3 rd Tuesday of each month	6:30 P.M.	City Hall 6700 NW 36 th Street
Bethany Hospital Trust*	1 st and 3 rd Tuesday of each month	6:30 P.M.	City Hall 6700 NW 36 th Street
Bethany Development Authority*	1 st and 3 rd Tuesday of each month	6:30 P.M.	City Hall 6700 NW 36 th Street
Board of Adjustment	2 nd Thursday of each month	6:15 P.M.	City Hall 6700 NW 36 th Street
Planning & Zoning Commission	1 st and 3 rd Thursday of each month	6:30 P.M.	City Hall 6700 NW 36 th Street
Bethany Economic Development Authority	2 nd and 4 th Thursday of each month	11:45 A.M.	City Hall 6700 NW 36 th Street

* Section 30.01 (A) (2) When the day fixed for any regular meeting of the City Council falls on a day designated by law as a legal or national holiday, or a day wherein a majority of the members of the City Council shall be absent from the city, the Council, not less than ten days prior to the date for implementation of any change, may, by motion, change the date, time or place of a regularly scheduled meeting of the City Council, provided written notice thereof is contemporaneously given the City Clerk.

Filed by: _____ Title: _____

Address: 6700 NW 36th Street / PO Box 219, Bethany Oklahoma 73008-0219

Filed in the office of the Municipal Clerk at _____ P.M. on _____, 2024.

Signed: _____ Title: _____

City of Bethany General Fund
Statement of Revenues and Expense
April 2024

AGENDA: 05/21/2024
ITEM: 20 (A)

Revenues

	2023-2024	April	Year to Date	Year to Date	Budget
	Annual Budget	Revenue	Revenue	Percentage of Budget	Remaining
SALES TAX 82.5% DEDICATED	4,915,581.00	389,196.00	4,127,377.00	83.97%	788,204.00
USE TAX REVENUE	1,340,722.00	125,243.00	1,282,220.00	95.64%	58,502.00
HOTEL TAX REVENUE	53,583.00	4,792.00	42,753.00	79.79%	10,830.00
CABLE FRANCHISE TAX REVENUE	105,852.00	0.00	50,621.00	47.82%	55,231.00
PHONE FRANCHISE TAX REVENUE	24,038.00	5,440.00	40,698.00	169.31%	-16,660.00
UTILITY FRANCHISE TAX REVENUE	751,061.00	42,241.00	609,303.00	81.13%	141,758.00
OCCUPATIONAL LICENSE REVENUE	28,119.00	3,540.00	32,166.00	114.39%	-4,047.00
BUILDING PERMIT REVENUE	28,246.00	3,783.00	38,255.00	135.44%	-10,009.00
INSPECTION PERMIT REVENUE	33,446.00	1,922.00	46,673.00	139.55%	-13,227.00
ZONING PERMITS	1,094.00	0.00	0.00	0.00%	1,094.00
ANIMAL LICENSE REVENUE	0.00	40.00	469.00	0.00%	-469.00
ABATEMENT REVENUE	0.00	1,760.00	7,964.00	0.00%	-7,964.00
MOTOR FUEL TAX REVENUE	37,049.00	0.00	21,515.00	58.07%	15,534.00
COMMERCIAL VEH TAX REVENUE	139,694.00	15,222.00	118,035.00	84.50%	21,659.00
CIGARETTE TAX REVENUE	42,592.00	3,230.00	30,991.00	72.76%	11,601.00
ALCOHOL BEVERAGE TAX REVENUE	57,391.00	4,305.00	44,685.00	77.86%	12,706.00
ACCOUNTING SERVICE REVENUE	26,400.00	19,800.00	39,600.00	150.00%	-13,200.00
EMERGENCY MEDICAL CALL SVC FEE	279,415.00	23,480.00	234,306.00	83.86%	45,109.00
STORMWATER COMPLIANCE FEE	323,352.00	27,120.00	270,548.00	83.67%	52,804.00
CEMETARY LOT SALES REVENUE	34,200.00	7,550.00	18,400.00	53.80%	15,800.00
MINERAL RIGHTS & ROYALTIES REV	34,853.00	965.00	10,038.00	28.80%	24,815.00
POLICE FINES & COURT COST REV	813,252.00	87,139.00	617,997.00	75.99%	195,255.00
INTEREST INCOME	13,515.00	1.00	33,750.00	249.72%	-20,235.00
MISCELLANEOUS REVENUE	108,290.00	4,798.00	65,902.00	60.86%	42,388.00
REIMBURSEMENT REVENUE	30,386.00	0.00	11,647.00	38.33%	18,739.00
CREDIT CARD FEES	102,913.00	8,930.00	85,258.00	82.84%	17,655.00
GRANT REVENUE	134,000.00	0.00	17,264.00	12.88%	116,736.00
OMAG REFUNDS	0.00	0.00	0.00	0.00%	0.00
SALE OF ASSETS	0.00	0.00	10,000.00	0.00%	-10,000.00
ECONOMIC DEV PROMO & EVENT RE	0.00	0.00	120.00	0.00%	-120.00
OMAG WORKER'S COMP REFUNDS	48,483.00	0.00	8,946.00	18.45%	39,537.00
Total Revenues	9,507,527.00	780,497.00	7,917,501.00	83.28%	1,590,026.00
Transfers In	2,328,894.00	179,167.00	1,791,670.00	76.93%	537,224.00
Total Revenues and Transfers In	11,836,421.00	959,664.00	9,709,171.00	82.03%	2,127,250.00

Expenses

	2023-2024 Annual Budget	April Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
01.0-MANAGEMENT	1,039,918.00	56,690.00	729,536.00	70.15%	310,382.00
02.0-FINANCE	429,104.00	25,343.00	311,849.00	72.67%	117,255.00
03.0-MUNICIPAL COURT	620,081.00	46,014.00	415,193.00	66.96%	204,888.00
04.0-ENGINEERING	209,000.00	10,998.00	136,610.00	65.36%	72,390.00
05.0-POLICE	4,699,604.00	336,904.00	3,594,884.00	76.49%	1,104,720.00
06.0-FIRE	2,910,684.00	205,411.00	2,424,021.00	83.28%	486,663.00
07.0-COMMUNITY DEV	620,108.00	40,235.00	406,163.00	65.50%	213,945.00
08.1-PW ADMIN	190,503.00	12,183.00	123,530.00	64.84%	66,973.00
08.2-STREETS	1,215,182.00	58,661.00	837,396.00	68.91%	377,786.00
08.4-FLEET MAINT	133,624.00	8,912.00	66,170.00	49.52%	67,454.00
08.5-PARKS	600,557.00	40,811.00	381,188.00	63.47%	219,369.00
98.0-CONTINGENCY	606,000.00	0.00	95,000.00	0.00%	511,000.00
TOTAL EXPENDITURES	13,274,365.00	842,162.00	9,521,540.00	71.73%	3,752,825.00
Transfers Out	790,613.00	0.00	700,000.00	88.54%	0.00
Total Expenses and Transfers Out	14,064,978.00	842,162.00	10,221,540.00	72.67%	3,752,825.00
Revenues over (under) expenses	-2,228,557.00	117,502.00	-512,369.00	22.99%	-1,625,575.00

Bethany Public Works Authority
Statement of Revenues and Expenses
April 2024

Revenues

	2023-2024 Annual Budget	April Revenue	Year to Date Revenue	Year to Date Percentage of Budget	Budget Remaining
RESIDENTIAL PENALTY REVENUE	155,328.00	11,773.00	163,453.00	105.23%	-8,125.00
COMMERCIAL PENALTY REVENUE	60,000.00	1,754.00	23,533.00	39.22%	36,467.00
SOLID WASTE REVENUE	2,985,427.00	247,701.00	2,502,364.00	83.82%	483,063.00
WATER REVENUE	4,133,140.00	325,628.00	3,331,134.00	80.60%	802,006.00
WATER TAP REVENUE	2,513.00	0.00	49,517.00	1970.43%	-47,004.00
SEWER REVENUE	3,025,164.00	333,950.00	2,802,244.00	92.63%	222,920.00
SEWER TAP REVENUE	257.00	0.00	3,000.00	1167.32%	-2,743.00
INTEREST INCOME	116,187.00	11,256.00	283,893.00	244.34%	-167,706.00
LEASE REVENUE	149,091.00	51,449.00	161,473.00	108.30%	-12,382.00
SCRAP METAL REVENUE	0.00	72.00	2,325.00	0.00%	-2,325.00
GRANT REVENUE	0.00	1,328,446.00	1,328,446.00	100.00%	-1,328,446.00
MISCELLANEOUS REVENUE	0.00	0.00	0.00	0.00%	0.00
*** TOTAL REVENUE ***	10,627,107.00	2,312,029.00	10,651,382.00	100.23%	-24,275.00
Total Revenues and Transfers In	10,627,107.00	2,312,029.00	10,651,382.00	100.23%	-24,275.00

Expenses

	2023-2024 Annual Budget	April Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
02.0-BPWA FINANCE	515,597.00	65,585.00	415,322.00	80.55%	100,275.00
08.1-BPWA ADMIN	208,003.00	13,415.00	136,751.00	65.74%	71,252.00
08.3-BPWA SANITATION	2,169,476.00	107,483.00	1,519,934.00	70.06%	649,542.00
08.4-BPWA FLEET MAINT	133,624.00	563.00	18,207.00	13.63%	115,417.00
12.0-BPWA WATER PLANT	2,304,311.00	137,794.00	1,751,151.00	75.99%	553,160.00
12.1-BPWA WATER LINE	532,500.00	25,749.00	350,903.00	65.90%	181,597.00
12.2-BPWA SEWER LINE	2,200,400.00	239,884.00	1,252,969.00	56.94%	947,431.00
97.0-DEBT SERVICE INTERST EXP	250,000.00	10,333.00	185,675.00	74.27%	64,325.00
98.0-CONTINGENCY	217,000.00	0.00	0.00	0.00%	217,000.00
99.0-TRANSFERS OUT	2,150,000.00	179,167.00	1,791,670.00	83.33%	358,330.00
Total Expenses and Transfers Out	10,680,911.00	779,973.00	7,422,582.00	69.49%	3,258,329.00
DEBT SERVICE PRINCIPAL	1,115,614.00	80,000.00	1,072,144.00	96.10%	43,470.00
Revenues over (under) Expenses/Debt Service	-1,169,418.00	1,452,056.00	2,156,656.00	-184.42%	-3,326,074.00

City of Bethany
Capital Improvement Fund
Statement of Revenue And Expense
April 2024

Revenues

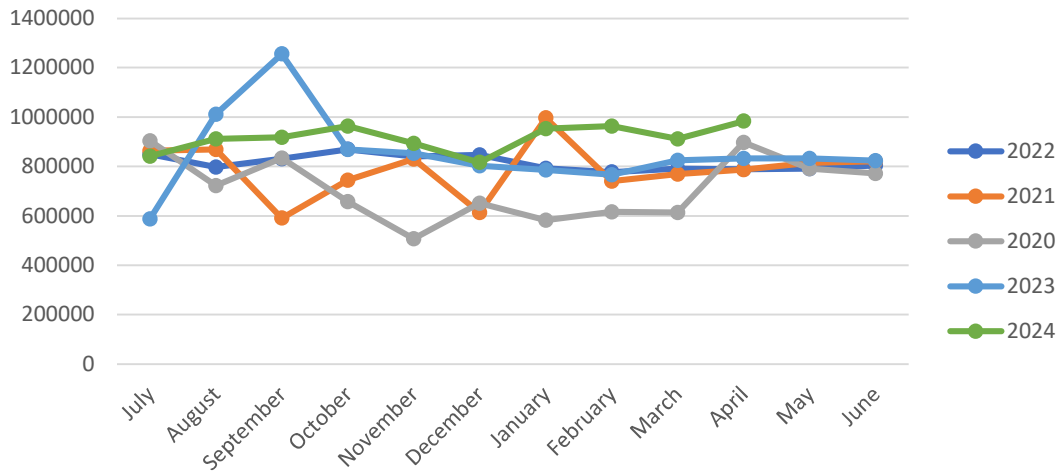
	2023-2024 Annual Budget	April Revenue	Year to Date Revenue	Year to Date Percentage of Budget	Budget Remaining
SALES TAX 17.5% DEDICATED	1,056,773.00	82,557.00	875,504.00	82.85%	181,269.00
INTEREST REVENUE	1,438.00	0.00	4,081.00	283.80%	-2,643.00
TRANSFER FROM GF	648,613.00	0.00	558,000.00	86.03%	90,613.00
MISCELLANEOUS REVENUE	365,289.00	0.00	365,289.00	100.00%	0.00
GRANT REVENUE	924,875.00	0.00	309,384.00	0.00%	615,491.00
Total Revenue	2,996,988.00	82,557.00	2,112,258.00	70.48%	884,730.00

Expenses

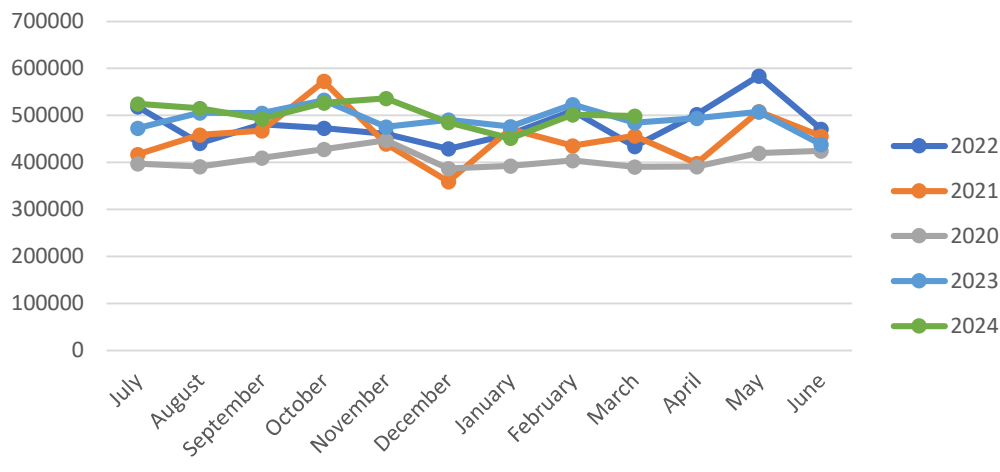
	2023-2024 Annual Budget	April Expenses	Year to Date Expenses	Year to Date Percentage of Budget	Budget Remaining
Capital Projects					
RIPPER PARK POOL	85,000.00	42,507.00	42,507.00	50.01%	42,493.00
CDBG GRANT MATCH	345,463.00	0.00	344,586.00	99.75%	877.00
31ST STREET LIFT STATION	231,000.00	0.00	0.00	0.00%	231,000.00
FIRE TRUCK LEASE PAYMENT	85,000.00	0.00	0.00	0.00%	85,000.00
SANITATION TRUCK	235,624.00	0.00	231,600.00	98.29%	4,024.00
CRRSAA ROCKWELL PROJECT	695,661.00	0.00	69,400.00	9.98%	626,261.00
CITY HALL HVAC REPLACEMENT	58,600.00	0.00	24,587.00	41.96%	34,013.00
PW 1/2 TON TRUCK W/ TOMMY LIF	37,400.00	37,504.00	37,504.00	100.28%	-104.00
STREETS 1 TON TRUCK W/ DUMP	65,035.00	0.00	0.00	0.00%	65,035.00
DISPATCH CONSOLE	95,000.00	0.00	0.00	0.00%	95,000.00
PW MINI TRAC LOADER	32,000.00	0.00	31,316.00	97.86%	684.00
ODOT/SNU PROJECT	507,402.00	0.00	507,402.00	100.00%	0.00
REPLACEMENT DUMPSTERS	54,900.00	17,390.00	52,925.00	96.40%	1,975.00
RIPPER PARK IMPROVEMENTS	80,000.00	0.00	0.00	0.00%	80,000.00
RON CLARK DOG PARK	40,000.00	0.00	0.00	0.00%	40,000.00
COMM. DEV. TRUCK	40,000.00	0.00	39,602.00	99.01%	398.00
PD HVAC	20,000.00	0.00	0.00	0.00%	20,000.00
PW ZTR MOWER	20,000.00	0.00	18,654.00	93.27%	1,346.00
PW FLAIL MOWER	9,000.00	0.00	0.00	0.00%	9,000.00
Total Capital Projects	2,737,085.00	97,401.00	1,400,083.00	51.15%	1,337,002.00

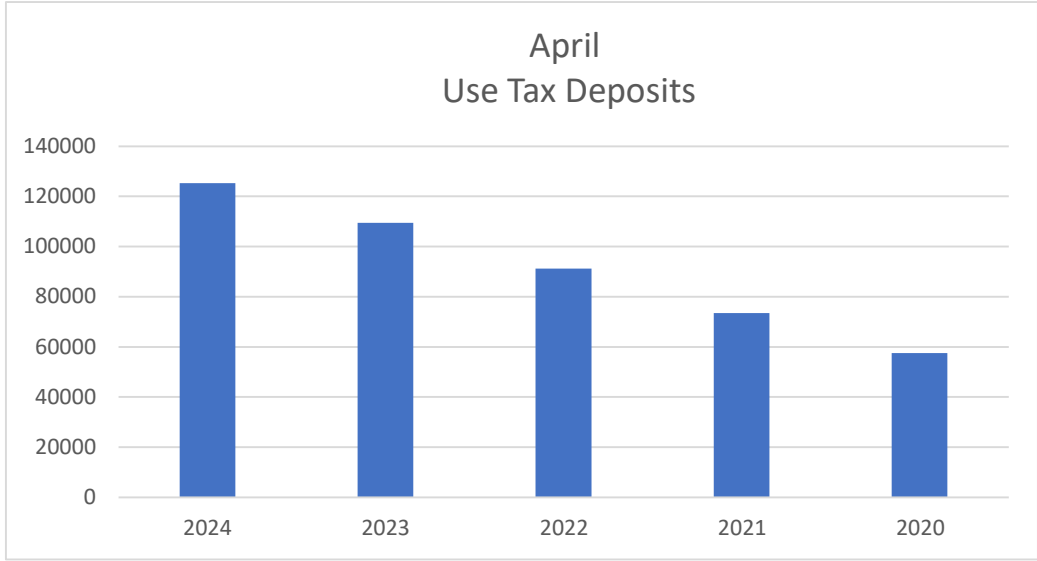
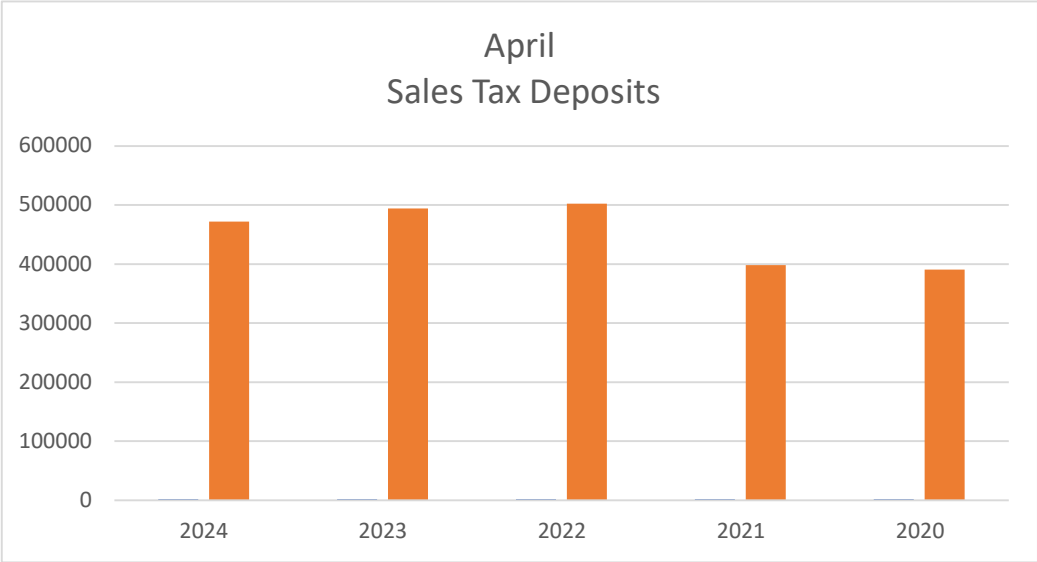
Revenues Over (under) Expenses	259,903.00	-14,844.00	712,175.00	274.02%	-452,272.00
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Public Works Authority Monthly Income



Monthly Sales Tax Income





**Bethany/Warr Acres Public Works Authority
Financial Statement Summary
Year-To-Date for the Period Ending April 30, 2024**

	GENERAL FUND		83.33% OF BUDGET
	<u>BUDGET</u>	<u>ACTUAL</u>	
BEGINNING FUND BALANCE	\$1,385,434	\$1,385,434	
REVENUES	\$7,650,000	\$2,883,696	37.70%
EXPENDITURES	-\$8,666,115	-\$3,460,034	39.93%
REVENUES OVER (UNDER) EXPENDITURES	\$369,319	\$809,096	
TRANSFERS IN	\$0	\$0	
TRANSFERS OUT	\$0	\$0	
NET OTHER	\$0	\$0	
INCREASE (DECREASE) TO BEGINNING FUND BALANCE	-\$1,016,115	-\$576,338	
ENDING FUND BALANCE (BEFORE BUDGETED RESERVE)	\$369,319	\$809,096	
BUDGETED RESERVE	\$0	\$0	
ENDING FUND BALANCE	\$369,319	\$809,096	
ENDING BALANCE AS A PERCENTAGE OF ANNUAL REVENUES	4.83%	10.58%	

Amount of budgetary fund balance carried over from the end of the prior year.

This % is a basic measure of where the fund should be year-to-date compared to budget.

Indicates the current budget, as adopted, plans on collecting this amount of revenues in excess of planned expenditures, thereby increasing the fund balance to an acceptable percentage by the end of the fiscal year.

This represents the amount by which fund revenues are more than expenditures prior to net transfers (subsidies) from other funds.

This indicates the fund has received revenues that are more or less than year-to-date expenditures by this amount. It is the year-to-date fund balance.

This amount is considered the fund's percentage of unappropriated (budget) and unexpended (actual) fund balance reserves.

This amount reflects the uncommitted fund balance at the end of the month. This amount should never go below \$0 per State law.

NOTICE: On Monday, May 6, 2024, 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, MAY 7, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Peter Plank	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Brian Magirowsky	Trustee

MEMBERS ABSENT:

OTHERS PRESENT:	Elizabeth Gray	City Manager
	Michael Vaughn	City Clerk/Treasurer
	J. D. Reid	Chief of Police
	(See Roster)	

Chairman Lloyd called the Bethany Public Works Authority meeting to order at 8:12 P.M.

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

- A. APPROVAL OF MINUTES FROM APRIL 16, 2024, REGULAR MEETING.**
- B. APPROVAL OF MINUTES FROM THE APRIL 11, 2024, SPECIAL CALLED MEETING.**
- C. 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.**

A motion was made by Trustee Smart, seconded by Trustee Plank to approve the Consent Docket as presented. Yes Votes: McPhail, Magirowsky, Palmer, Lloyd, Larsen, Powell, Smart, Knapp, and Plank. No Votes: None. Motion passed.

ITEM NO. 2 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1698, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, ADOPTING THE FISCAL YEAR 2025 BUDGET FOR THE GENERAL FUND, MISCELLANEOUS FUNDS, AND VARIOUS PUBLIC TRUSTS; AFFIRMING THE AUTHORITY OF THE CITY MANAGER TO MAKE TRANSFERS WITHIN THE GENERAL FUND; AND APPROPRIATING FUNDS FROM THE CAPITAL IMPROVEMENTS FUND FOR SPECIFIED EQUIPMENT AND PROJECTS. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Palmer, seconded by Trustee Smart to continue Item 2 until the next council meeting. Yes votes: Powell, Palmer, Plank, McPhail, Larsen, Knapp, Lloyd, Magirowsky, and Smart. No votes: none. Motion passed.

ITEM NO. 3 on the agenda was **CONSIDERATION AND POSSIBLE AWARD OF BID FOR WATER TREATMENT PLANT QUICKLIME TO MISSISSIPPI LIME COMPANY FOR FY 2025. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Magirowsky, seconded by Trustee Larsen to approve award of bid for Water Treatment Plant Quicklime to Mississippi Lime Company for FY 2025 as presented. Yes votes: Knapp, Lloyd, Palmer, Larsen, Plank, Powell, Smart, McPhail, and Magirowsky. No votes: None. Motion passed.

ITEM NO. 4 on the agenda was **CONSIDERATION AND POSSIBLE ACTION ON RESOLUTION NO. 1697 ON LEVERAGE (MATCHING) FUNDS FOR FY-2024 CDBG PROPOSED WATERLINES IMPROVEMENTS PROJECT. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Magirowsky, seconded by Trustee Larsen to approve Resolution No. 1697 on leverage (matching) funds for FY-2324 CDBG proposed Waterlines Improvements Project as presented. Yes votes: Magirowsky, Smart, Palmer, Knapp, Lloyd, Larsen, Plank, Powell, and McPhail. No votes: None. Motion passed.

ITEM NO. 5 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1699, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, APPROVING THE FISCAL YEAR 2025 MANUAL OF FEES, WHICH ESTABLISHES THE FEES AND COSTS CHARGED BY THE CITY OF BETHANY, OKLAHOMA; AUTHORIZING PERIODIC ADJUSTMENT AS NECESSARY BY THE CITY MANAGER; AND PROVIDING AN EFFECTIVE DATE OF JULY 1, 2024. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Powell, seconded by Trustee Palmer to table Item 5 until the next council meeting. Yes votes: Plank, McPhail, Powell, Knapp, Lloyd, Magirowsky, Larsen, Palmer, and Smart. No votes: none. Motion passed.

ITEM NO. 6 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL TO ACCEPT THE EMERGENCY REPAIRS TO THE WATERLINE, STORM SEWER, AND**

PAVEMENT AT THE INTERSECTIONS OF NW 23RD STREET AND COUNCIL ROAD FOR OKLAHOMA WATER RESOURCES BOARD REIMBURSEMENT. (ELIZABETH GRAY, CITY MANAGER)

Motion was made by Trustee Magirowsky, seconded by Trustee Smart to accept the emergency repairs to the waterline, storm sewer, and pavement at the intersections of NW 23rd Street and Council Road for Oklahoma Water Resources Board reimbursement as presented. Yes votes: Smart, Larsen, McPhail, Lloyd, Palmer, Plank, Powell, Knapp, and Magirowsky. No votes: none. Motion passed.

ITEM NO. 7 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. 8 on the agenda was **ADJOURN UNTIL MAY 21, 2024.**

Chairperson Lloyd adjourned the Bethany Public Works Authority meeting at 8:16 P.M. until May 21, 2024.

CHAIRMAN

SECRETARY

BETHANY PUBLIC WORKS AUTHORITY

From: Michael Vaughn, Finance Director
Date: May 16, 2024
Subject: Claims list for the 05/21/2024 Bethany Public Works Authority Meeting

BETHANY PUBLIC WORKS AUTHORITY

FUND	AMOUNT
Bethany Public Works Authority	\$ 167,088.47
TOTAL	\$ 167,088.47

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 2,144,667.59
Bethany Public Works Authority	\$ 167,088.47
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 2,311,756.06

RECOMMENDATION

1. Approve claims as presented.



FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: N/A		NON-DEPARTMENTAL				
24-49984	10-3436	BANCFIRST	2013 BOND	5/2024	20240601	80,000.00
DEPARTMENT TOTAL:						80,000.00
DEPARTMENT: 02.0		FINANCE				
24-50554	10-005321	AMAZON CAPITAL SERVICES,	INKNEE PADS, USB HUB, PAPER	5/2024	6570651	130.44
24-50561	10-005321	AMAZON CAPITAL SERVICES,	INREGISTER RIBBON	5/2024	5435417	37.63
24-48310	10-005702	TPS TECHNICAL PROGRAMMING	UTILITY BILLING SVC	5/2024	117672	1,339.67
24-50211	10-0225	GENUINE PARTS	WHEEL BEARING	5/2024	057365	290.00
DEPARTMENT TOTAL:						1,797.74
DEPARTMENT: 08.1		PUBLIC WORKS - ADMIN				
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	457.00
24-50235	10-3042	ACCURATE ENVIRONMENTAL	ODEQ REQUIRED TESTING	5/2024	GD18057	1,104.00
DEPARTMENT TOTAL:						1,561.00
DEPARTMENT: 08.3		PUBLIC WORKS - SANIT				
24-50607	10-0007	A-1 LAWN MOWER SHOP INC	WEED EATER	5/2024	18377	430.00
24-50520	10-005321	AMAZON CAPITAL SERVICES,	INTOILETCLOSETREPAIRKITSOAP	5/2024	6768243	13.15
24-50495	10-005350	FORCE PERSONNEL	TEMP HELP	5/2024	78102	1,367.57
24-50491	10-005992	AEG PETROLEUM	DEF FLUID	5/2024	861877	593.30
24-50503	10-4012	WASTE CONNECTIONS, INC	4TH QUATER LANDFILL FEE	5/2024	31119E012	28,634.05
24-50608	10-4208	OKLAHOMA CITY TREASURY	4TH QUATER HAZARDOUSWASTE	5/2024	100424	948.00
DEPARTMENT TOTAL:						31,986.07
DEPARTMENT: 08.4		PUBLIC WORKS - MAINT				
24-50492	10-005992	AEG PETROLEUM	OIL FOR OIL CHANGES	5/2024	861878	369.87
DEPARTMENT TOTAL:						369.87
DEPARTMENT: 12.0		UTILITY - WATER PLANT				
24-50494	10-004725	RUCKER ELECTRIC INCORPORATED	X&POSSIBLEREPAIRWELL6	5/2024	13742	155.00
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	667.14
24-50583	10-005321	AMAZON CAPITAL SERVICES,	INBATTERY BACK UP/SURGE	5/2024	8950656	260.21
24-50436	10-005517	EMSL ANALYTICAL, INC	4 ASBESTOS TEST	5/2024	35181364	1,024.00
24-50536	10-0091	BRENNTAG SOUTHWEST INC	HYDRO CHLORIE ACID	5/2024	BSW545355	210.00
24-50603	10-0225	GENUINE PARTS	MOWER BATTERY	5/2024	7092-060296	57.01
24-50567	10-0669	HACH COMPANY	LAB TEST	5/2024	14031846	1,613.55
24-49669	10-1063	OG&E	MNTHLY BILLS	5/2024	20240507	11,805.09
24-50318	10-1288	ROSE STATE COLLEGE	A/B WATER OPERATO	5/2024	1004566	414.00
24-49845	10-1402	PHILLIP STINCHCOMB LIVING	TWATER LEASE PYMT	5/2024	APR 2024	724.28
24-50535	10-1622	WESTLAKE ACE HARDWARE	WEATHER STRIP/INSECT SPRY	5/2024	3504138	77.05
24-50235	10-3042	ACCURATE ENVIRONMENTAL	ODEQ REQUIRED TESTING	5/2024	GD25032	300.00
24-50600	10-3331	RUCKER MECHANICAL	HVAC MECHANICAL ROOM	5/2024	96824	2,680.00
24-50367	10-3919	MISSISSIPPI LIME	25 TONS OF LIME	5/2024	1724205	9,184.73

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 12.0 UTILITY - WATER PLANT						
24-50466	10-3919	MISSISSIPPI LIME	25 TONS OF LIME	5/2024	1725634	9,281.25
DEPARTMENT TOTAL:						38,453.31
DEPARTMENT: 12.1 UTILITY - WATER LINE						
24-50192	10-005732	UTILITY TECHNOLOGY SERVICES	SMART METER CANS&LIDS	5/2024	S105587112.002	468.00
24-50515	10-1066	OKLAHOMA CONTRACTOR'S SUPPL	RISER FOR HYDRANT	5/2024	0379547-IN	605.00
24-50551	10-1066	OKLAHOMA CONTRACTOR'S SUPPL	CURB STOPS	5/2024	0379617-IN	711.00
24-50611	10-1066	OKLAHOMA CONTRACTOR'S SUPPL	1 1/2 CURB STOP	5/2024	0379548-IN	370.00
24-50496	10-1622	WESTLAKE ACE HARDWARE	AST SIZES OF PVC FITTINGS	5/2024	3504127	63.88
24-50601	10-2828	UNITED RENTALS (NORTH AMERI	6 INCH BYPASS PUMP	5/2024	233195597-001	1,617.00
24-50118	10-3001	EASTON SOD	ONE PALLET OF SOD	5/2024	0249975	165.00
DEPARTMENT TOTAL:						3,999.88
DEPARTMENT: 12.2 UTILITY - SEWER						
24-49031	10-005156	COX COMMUNICATIONS INC.	PHONES, INTERNET	5/2024	20240430	284.04
24-50520	10-005321	AMAZON CAPITAL SERVICES,	INTOILETCLOSETREPAIRKITSOAP	5/2024	6768243	13.15
24-49797	10-1063	OG&E	SEWER MNTHLY	5/2024	20240507	1,644.83
24-50577	10-1622	WESTLAKE ACE HARDWARE	LIFT STATION SUPPLIES	5/2024	3504149	16.58
DEPARTMENT TOTAL:						1,958.60
DEPARTMENT: 97.0 DEBT SERVICE						
24-49984	10-3436	BANCFIRST	2013 BOND	5/2024	20240601	6,962.00
DEPARTMENT TOTAL:						6,962.00
FUND TOTAL:						167,088.47

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BETHANY HOSPITAL TRUST MEETING

BETHANY CITY HALL

TUESDAY, MAY 7, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Peter Plank	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Brian Magirowsky	Trustee

MEMBERS ABSENT:

OTHERS PRESENT:	Elizabeth Gray	City Manager
	Michael Vaughn	City Clerk/Treasurer
	J. D. Reid	Chief of Police
	(See Roster)	

Chairman Lloyd called the Bethany Hospital Trust meeting to order at 8:16 P.M.

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

- A. APPROVAL OF MINUTES FROM APRIL 16, 2024, REGULAR MEETING.**
- B. APPROVAL OF MINUTES FROM THE APRIL 11, 2024, SPECIAL CALLED MEETING.**
- C. 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.**

A motion was made by Trustee Larsen, seconded by Trustee Knapp to approve the Consent Docket as presented. Yes Votes: Palmer, Smart, Powell, McPhail, Plank, Larsen, Lloyd, Knapp, and Magirowsky. No Votes: None. Motion passed.

ITEM NO. 2 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1698, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, ADOPTING THE FISCAL YEAR 2025 BUDGET FOR THE GENERAL FUND, MISCELLANEOUS FUNDS, AND VARIOUS PUBLIC TRUSTS; AFFIRMING THE AUTHORITY OF THE CITY MANAGER TO MAKE TRANSFERS WITHIN THE GENERAL FUND; AND APPROPRIATING FUNDS FROM THE CAPITAL IMPROVEMENTS FUND FOR SPECIFIED EQUIPMENT AND PROJECTS. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Palmer, seconded by Trustee Smart to continue Item 2 to the next meeting. Yes votes: Larsen, Smart, Palmer, Knapp, Lloyd, Magirowsky, Plank, Powell, and McPhail. No votes: none. Motion passed.

ITEM NO. 3 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. 4 on the agenda was **ADJOURN UNTIL MAY 21, 2024.**

Chairman Lloyd adjourned the Bethany Hospital Trust meeting at 8:17 P.M. until May 21, 2024.

CHAIRMAN

SECRETARY

BETHANY HOSPITAL TRUST

From: Michael Vaughn, Finance Director
Date: May 16, 2024
Subject: Claims list for the 05/21/2024 Bethany Hospital Trust Meeting

BETHANY HOSPITAL TRUST

FUND	AMOUNT
Bethany Hospital Trust	\$ -
TOTAL	\$ -

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 2,144,667.59
Bethany Public Works Authority	\$ 167,088.47
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 2,311,756.06

RECOMMENDATION

1. Approve claims as presented.



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BETHANY DEVELOPMENT AUTHORITY

BETHANY CITY HALL

TUESDAY, MAY 7, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Peter Plank	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Brian Magirowsky	Trustee

MEMBERS ABSENT:

OTHERS PRESENT:	Elizabeth Gray	City Manager
	Michael Vaughn	City Clerk/Treasurer
	J. D. Reid	Chief of Police
	(See Roster)	

Chairman Lloyd called the Bethany Development Authority meeting to order at 8:17 P.M.

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

- A. APPROVAL OF MINUTES FROM APRIL 16, 2024, REGULAR MEETING.**
- B. APPROVAL OF MINUTES FROM THE APRIL 11, 2024, SPECIAL CALLED MEETING.**
- C. 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 Magirowsky, seconded by Trustee Larsen to approve the Consent Docket as presented. Yes votes: Knapp, Smart, Palmer, McPhail, Powell, Magirowsky, Larsen, Lloyd, and Plank. No votes: None. Motion passed.

ITEM NO. 2 on the agenda was **CONSIDERATION AND POSSIBLE ADOPTION OF RESOLUTION NO. 1698, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA, ADOPTING THE FISCAL YEAR 2025 BUDGET FOR THE GENERAL FUND, MISCELLANEOUS FUNDS, AND VARIOUS PUBLIC TRUSTS; AFFIRMING THE AUTHORITY OF THE CITY MANAGER TO MAKE TRANSFERS WITHIN THE GENERAL FUND; AND APPROPRIATING FUNDS FROM THE CAPITAL IMPROVEMENTS FUND FOR SPECIFIED EQUIPMENT AND PROJECTS. (ELIZABETH GRAY, CITY MANAGER)**

Motion was made by Trustee Palmer, seconded by Trustee Smart to continue Item 2 to the next council meeting. Yes votes: McPhail, Knapp, Powell, Magirowsky, Smart, Larsen, Plank, Palmer, and Lloyd. No votes: none. Motion passed.

ITEM NO. 3 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. 4 on the agenda was **ADJOURN UNTIL MAY 21, 2024.**

Chairman Lloyd adjourned the Bethany Development Authority meeting at 8:19 P.M. until May 21, 2024.

CHAIRMAN

SECRETARY

BETHANY DEVELOPMENT AUTHORITY

From: Michael Vaughn, Finance Director
Date: May 16, 2024
Subject: Claims list for the 05/21/2024 Bethany Development Authority Meeting

BETHANY DEVELOPMENT AUTHORITY

FUND	AMOUNT
Bethany Development Authority	\$ -
TOTAL	\$ -

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 2,144,667.59
Bethany Public Works Authority	\$ 167,088.47
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 2,311,756.06

RECOMMENDATION

1. Approve claims as presented.

