
On Thursday, March 28, 2024, at or before 4:59 p.m., agenda was posted at the front door 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, APRIL 2, 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 March 19, 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. Approval of Budget Amendment 24-13.
4. Mayoral Proclamation declaring April 2024 as "Donate Life Month".
5. Mayoral Certificate of Achievements for the 2024 Class 4A Lady Bronchos Basketball Team.
6. Mayoral Certificate of Achievement for the 2024 Class 6A Champion Lady Patriots Basketball Team.
7. 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.)

8. Consideration and possible adoption of Resolution No. 1692 designating the week of April 8th through April 12th of 2024 as National Telecommunicator Week in the City of Bethany. *(Elizabeth Gray, City Manager)*
9. Consideration and possible approval of Resolution No. 1693 of the City of Bethany, Oklahoma (the "City") approving action taken by the Bethany Public Works Authority (the "Authority") authorizing issuance, sale and delivery of a promissory note or notes of the Authority to the Oklahoma Water Resources Board in the total aggregate principal amount of not to exceed \$18,500,000; ratifying and confirming a lease agreement; ratifying and confirming a sales tax agreement by and between the City and the Authority pertaining to a year-to-year pledge of certain sales tax revenue; and containing other provisions related thereto. *(Elizabeth Gray, City Manager)*
10. Consideration and possible approval of Ordinance No. 2056, an ordinance amending Section 31.02 to the Bethany Code of Ordinances entitled Filing and Fees to allow a petition supporting candidacy in lieu of paying a fee to the County Election Board. *(Ray Jones, City Attorney)*
 - A. Presentation by staff and/or interested party.
 - B. Consideration and possible approval of Ordinance No. 2056, on reading by title only.
 - C. Motion to approve Sections 1-3 of Ordinance No. 2056.
11. Consideration and possible approval of Amendment No. 1 to Engineering Contract between the City of Bethany and TEIM Design for the Construction Inspection Engineering Services for the American Rescue Plan Act Grant Well Field Rehabilitation and Improvements Project and authorize the mayor to sign the document of behalf of the City of Bethany. *(Elizabeth Gray, City Manager)*
12. Consideration and possible approval to advertise for bids for General Obligation Bond Propositions 2-A Eldon Lyon Park, 2-B Ripper Park, 2-C Garrison Park, 2-D Macrory Park, and 2-F Cecil Mendenall Park Parks Restrooms and Pavilions Projects. *(Elizabeth Gray, City Manager)*
13. Consideration and possible approval of Engineering Design Contract between the City of Bethany and TEIM Design for design of Community Development Block Grant (CDBG) Waterline Replacement Project in the amount of \$49,500.00 and authorize the mayor to sign the document on behalf of the City of Bethany. *(Elizabeth Gray, City Manager)*
14. Consideration and possible approval to advertise for bids for Ripper Park Pickle Ball Courts construction. *(Elizabeth Gray, City Manager)*
15. Consideration and possible approval of contract with YMCA of Greater Oklahoma City-Bethany YMCA for operation of the municipal swimming pool for 2024 season. *(Elizabeth Gray, City Manager)*

16. 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”*).
17. City Attorney’s Report.
18. City Manager’s Report.
19. Mayor and Council Members Comments and Suggestions.
20. Adjourn until April 16, 2024.

BETHANY PUBLIC WORKS AUTHORITY

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. Consent Docket:
 - A. Approval of Minutes from the March 19, 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.
2. Consideration and possible approval of Resolution No. 1694 of the Bethany Public Works Authority (the “Authority”) authorizing a loan or loans from the Oklahoma Water Resources Board in the total aggregate principal amount of not to exceed \$18,500,000; approving the issuance of promissory notes in the total aggregate principal amount of not to exceed \$18,500,000, secured by a pledge of revenues and authorizing its execution; designating a local trustee; approving and authorizing the execution of a trust agreement; approving and authorizing the execution of loan agreements; approving and authorizing the execution of security agreements; ratifying and confirming a lease agreement by and between the City of Bethany, Oklahoma and the Authority; ratifying and confirming a sales tax agreement by and between the City of Bethany, Oklahoma and the Authority pertaining to a year-to-year pledge of certain sales tax revenue; approving various covenants; approving and authorizing applications to the Oklahoma Water Resources Board; approving and authorizing Professional Services Agreements; and containing other provisions relating thereto. (*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 April 16, 2024.

BETHANY HOSPITAL TRUST

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. Consent Docket:
 - A. Approval of Minutes from the March 19, 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.
2. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as “matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda”).*
3. Adjourn until April 16, 2024.

BETHANY DEVELOPMENT AUTHORITY

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. Consent Docket:
 - A. Approval of Minutes from the March 19, 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. Approval of Budget Amendment 24-14.
2. New Business *(As defined by the Oklahoma Open Meeting Act § 311 (A) (9) as “matters not known about or which could not have reasonably been foreseen prior to the time of posting the agenda”).*
3. Adjourn until April 16, 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 Thursday, March 14, 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 MEETING

BETHANY CITY HALL

TUESDAY, MARCH ,19 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd Jeff Knapp Chris Powell Marilyn McPhail Kathy Larsen Ken Smart Peter Plank Steve Palmer	Mayor Vice- Mayor Council Member Council Member Council Member Council Member Council Member Council Member
MEMBERS ABSENT:	Brian Magirowsky	Council Member
OTHERS PRESENT:	Elizabeth Gray Michael Vaughn Lesa LaMar Amanda McCellon (See Roster)	City Manager City Clerk/Treasurer Deputy City Clerk Community Dev. Director

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

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

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

The Invocation was given by Council Member Larsen

The Flag Salute was conducted by Mayor Nikki Lloyd.

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

A. APPROVAL OF MINUTES FROM MARCH 5, 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.

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

ITEM NO. 4 MAYORAL PROCLAMATION DECLARING APRIL 2024 AS AUTISM AWARENESS AND ACCEPTANCE MONTH.

Marisa Singletary, Coordinator of School Consultations and Professional Development Oklahoma Autism Center was presented the proclamation by Mayor Lloyd.

ITEM NO. 5 on the agenda was MAYORAL CERTIFICATE OF RECOGNITION TO STAFF SERGEANT CHRIS CALVERT AND HIS GROUP OF OKLAHOMA NATIONAL GUARD RECRUITS FOR THEIR VOLUNTEER EFFORTS.

Mayor Lloyd recognized Staff Sergeant Calvert and his group for helping to clean up over 200 bags of trash and 120 cubic yards of tree limbs picked up around the city. There were scheduling conflicts, and they could not be in attendance.

ITEM NO. 6 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.

Calvin Nelms- 3140 N. Eagle Lane – Neighbor issues.

ITEM NO. 7 on the agenda was CONSIDERATION AND POSSIBLE APPROVAL OF THE PLANNING AND ZONING'S RECOMMENDATION TO KEEP SECTION 153.19 PROHIBITED SIGNS OF THE BETHANY CODE OF ORDINANCES AS CURRENTLY WRITTEN. (ELIZABETH GRAY, CITY MANAGER).

Planning and Zoning had a unanimous vote to keep Ordinance 153.19 as currently written. City Manager Gray pointed out that wind signs are allowed with a temporary permit for various uses such as grand openings, specials, and events.

Amanda McCellon, Community Development Director added there have not been any issues with this temporary sign application in the past being used for anything inappropriate or it being taken advantage of in any way.

A motion was made by Council Member Smart, seconded by Council Member Palmer to approve keeping Section 153.19 prohibited signs of the Bethany code of ordinances as currently written. Yes votes: Knapp, Larsen, McPhail, Lloyd, Plank, Powell, Smart, Palmer. No votes: None. Motion approved.

ITEM NO. 8 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF CONSTRUCTION CONTRACT FOR ARPA WELL FIELD REHABILITATION AND IMPROVEMENTS PROJECT WITH DIVERSIFIED CONSTRUCTION AWARDING THE BASE BID, ALTERNATE 1 AND ALTERNATE 2 IN THE AMOUNT OF \$4,992,744.30; AND FOR A NEW CONTRACT AMOUNT OF \$3,675,455.00; AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENTS ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

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

A motion was made by Council Member Larsen, seconded by Vice-Mayor Knapp to approve the contract with Diversified Construction awarding the base Bid, Alternate 1 and Alternate 2 in the amount of \$4,992,744.30; and authorize the Mayor to sign the deduct Amendment No. 1 in the base bid and Alternate 2 in the amount of \$1,317,289.30 for a new contract amount of \$3,675,455.00. Yes votes: Smart, McPhail, Lloyd, Palmer, Plank, Powell, Knapp, Larsen. No votes: None. Motion approved.

ITEM NO. 9 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF THE PURCHASE OF A USED 2021 DODGE DURANGO PATROL VEHICLE FROM THE KANSAS HIGHWAY PATROL FOR \$32,025.00. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Council Member Larsen, seconded by Council Member Smart to approve the purchase of a used 2021 Dodge Durango patrol vehicle from the Kansas Highway Patrol for \$32,025.00. Yes votes: Larsen, Knapp, McPhail, Lloyd, Smart, Plank, Powell, Palmer. No votes: None. Motion approved.

ITEM NO 10 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. 11 on the agenda was the **CITY ATTORNEY’S REPORT.**

None

ITEM NO. 12 on the agenda was the **CITY MANAGER'S REPORT.**

Finance Director Michael Vaughn presented the financial report.

Bulk waste pickup is April 8th and will begin on the north side.

April 11 at 5:30-7:00 will be the Budget Fair.

April 13- Pets at the Park.

April 20th- Bethany Clean Up.

April 23 at 6:30 will be Council Member Workshop in council chambers.

May 18th- Kite Festival.

June 15th- City Wide Yard Sale.

July 4th- Bethany Boom

ITEM NO. 13 on the agenda was **COUNCIL MEMBERS' ANNOUNCEMENTS, COMMENTS, AND PROPOSALS.**

Each Council Member was given the opportunity to comment.

ITEM NO. 14 on the agenda was **ADJOURN UNTIL APRIL 2, 2024.**

Mayor Lloyd adjourned the Bethany City Council meeting at 6:57 P.M.

MAYOR

CITY CLERK

BETHANY CITY COUNCIL

From: Michael Vaughn, Finance Director
Date: March 28, 2024
Subject: Claims list for the 04/02/2024 City Council Meeting

GENERAL OPERATIONS FUND

FUND	AMOUNT
General Operations Fund	\$ 92,426.23
Public Safety Fund	\$ 512.74
Capital Improvement Fund	\$ -
Federal Grant Fund	\$ -
2022A GO Bond	\$ -
Municipal Court Fund	\$ -
Cemetery Fund	\$ -
TOTAL	\$ 92,938.97

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 92,938.97
Bethany Public Works Authority	\$ 82,238.98
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 175,177.95

RECOMMENDATION

1. Approve claims as presented.



FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 01.0 MANAGEMENT						
24-50167	10-004903	DEAN ACTUARIES, LLC	RETIREE MEDICAL PLAN	3/2024	241459	4,525.00
24-50126	10-005373	CARD SERVICES/PI	HDMI ADAPTOR	3/2024	0896269	18.98
24-48257	10-005519	CRAWFORD & ASSOCIATES, P.C.	AUDIT PREP/FINANCIAL SVC	3/2024	18162	12,180.00
24-50178	10-005924	ADMIRAL EXPRESS, LLC	OFFICE SUPPLIES AND PAPER	3/2024	2477577-0	302.11
24-48296	10-1068	ONG	MNTHLY SVC	3/2024	20240319	443.93
24-49904	10-1069	OKLAHOMA MUNICIPAL LEAGUE	WATER ENVIRONMENTAL SUMMI	3/2024	200003266	95.00
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANC	PROPERTY INSURANCE	3/2024	20240501	1,159.51
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	118.50
24-49689	10-3196	IMAGENET CONSULTING, LLC	UPSTAIR/DOWNSTAIRS COPIER	3/2024	INV867041	185.05
DEPARTMENT TOTAL:						19,028.08
DEPARTMENT: 02.0 FINANCE						
24-50178	10-005924	ADMIRAL EXPRESS, LLC	OFFICE SUPPLIES AND PAPER	3/2024	2477577-0	32.20
DEPARTMENT TOTAL:						32.20
DEPARTMENT: 03.0 COURT						
24-48296	10-1068	ONG	MNTHLY SVC	3/2024	20240319	86.21
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANC	PROPERTY INSURANCE	3/2024	20240501	828.22
DEPARTMENT TOTAL:						914.43
DEPARTMENT: 05.0 POLICE						
24-50022	10-004973	BMW MOTORCYCLES OF OKC	Motorcycle Service	3/2024	DOC#58897	507.48
24-49956	10-005373	CARD SERVICES/PI	Crime Scene Camera	3/2024	28347206	1,931.03
24-48063	10-005850	ABC CLINIC	Spay and Neuter	3/2024	0043	640.00
24-48303	10-005929	WEX BANK	Fuel for Fleet	3/2024	124225	6.28
24-49840	10-006044	HOUSE OF MODS LLC	Fleet Maint	3/2024	5230	2,161.00
24-49799	10-0225	GENUINE PARTS	Tire Sensors	3/2024	7092-056002	167.86
24-49882	10-0225	GENUINE PARTS	Radiator Hose 15-10926	3/2024	6107-253389	52.22
24-48562	10-0465	OK DEPT OF PUBLIC SAFETY	OLETS	3/2024	LET-013924	495.00
24-50173	10-0919	MAIL DROP	Shipping	3/2024	87865	21.41
24-48296	10-1068	ONG	MNTHLY SVC	3/2024	20240319	258.62
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANC	PROPERTY INSURANCE	3/2024	20240501	11,843.61
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	6,635.96
24-50174	10-1717	JOHN REID	FBINAA Annual Re-Trainer	3/2024	24-50174	200.00
24-48137	10-2442	SUMNERONE, INC.	Kyocera Usage	3/2024	3794469	74.33
24-50012	10-2703	OKLAHOMA BODY WORKS INC	Unit 20-001 Paint Doors	3/2024	24-50012	799.00
24-49071	10-4090	AT&T MOBILITY	FirstNet	3/2024	03192024--	1,665.74
24-48068	10-4388	ISG TECHNOLOGY, LLC	Prevntion Security	3/2024	ISG353274	1,204.00
DEPARTMENT TOTAL:						28,663.54

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 06.0		FIRE				
24-48986	10-005510	SAMARITAN EMS	EMS SERVICE	3/2024	6654	17,989.75
24-50079	10-005721	ECKROAT SEED CO.	LAWN CHEMICALS	3/2024	1106450	158.00
24-50164	10-006167	JUNK YARD DOG EXTRICATION	TEV EXTRICATION CLASS	3/2024	1099	900.00
24-50163	10-006168	FIRST DUE	START UP FEE FOR RMS	3/2024	1267	200.00
24-50141	10-0225	GENUINE PARTS	REPLACEMENT BATTERY	3/2024	056446	47.14
24-48282	10-1063	OG&E	MNTHLY SVC	3/2024	20240325	118.52
24-48296	10-1068	ONG	MNTHLY SVC	3/2024	20240319	498.45
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	2,042.95
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	1,661.48
24-50114	10-4090	AT&T MOBILITY	MOBILE DATA BILL	3/2024	01192024-	338.58
DEPARTMENT TOTAL:						23,954.87
DEPARTMENT: 07.0		COMMUNITY DEV				
24-50165	10-005968	BRENDAN SUMMERVILLE	CHAIR	3/2024	1062050	217.24
24-50166	10-005968	BRENDAN SUMMERVILLE	REIM - BRENDAN SUMMERVILL	3/2024	24-50166	69.99
24-50076	10-006161	AMERICAN ASSOCIATION OF COD	CONFERENCE	3/2024	200002802	1,100.00
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	828.22
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	592.50
24-50034	10-1530	THE TRIBUNE	P&Z PUBLICATION	3/2024	20240315	90.10
24-49689	10-3196	IMAGENET CONSULTING, LLC	UPSTAIR/DOWNSTAIRS COPIER	3/2024	INV867041	85.95
DEPARTMENT TOTAL:						2,984.00
DEPARTMENT: 08.1		PUBLIC WORKS - ADMIN				
24-50089	10-005373	CARD SERVICES/P1	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	22.49
24-50125	10-005373	CARD SERVICES/P1	ISA MEMBERSHIP 2024	3/2024	WEB984184	165.00
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	303.68
24-49343	10-2442	SUMNERONE, INC.	MONTHLY COPIER MAINT	3/2024	3882298	30.85
DEPARTMENT TOTAL:						522.02
DEPARTMENT: 08.2		PUBLIC WORKS - STREETS				
24-50111	10-004996	GOODYEAR COMMERCIAL TIRE & 6 TIRES UNIT #61 & #44		3/2024	255-1029275	502.25
24-50036	10-005350	FORCE PERSONNEL	TEMP HELP	3/2024	77499	2,276.20
24-50089	10-005373	CARD SERVICES/P1	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	99.99
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS,DUSTPAN,FLOORMA	3/2024	5859414	44.37
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	122.16
24-50132	10-005373	CARD SERVICES/P1	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	129.98
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	49.99
24-50145	10-005624	RAY ALBRIGHT STEEL PRODUCTS	STEEL FOR WASHBARN	3/2024	24-1627	292.22
24-50083	10-0694	HASKELL LEMON CONST CO	1&1/2TONOFCOLDPATCH.ASPHA	3/2024	7672	83.20
24-49669	10-1063	OG&E	MNTHLY BILLS	3/2024	20240312	113.55
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	1,352.77
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	2,609.47
24-50181	10-1622	WESTLAKE ACE HARDWARE	DRILL BITS	3/2024	3504052	42.97
24-50143	10-2123	HOME DEPOT CREDIT SVCS	WOOD,ANCHORS,GRATES	3/2024	02195/6020096	190.94
24-50049	10-4255	CRAFCO, INC	WHITE PAINT	3/2024	9403135743	659.80

FUND: 010- GENERAL FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 08.2 PUBLIC WORKS - STREETS						
24-50120	10-4255	CRAFCO, INC	COLD PATCH / 3 TONS	3/2024	9403140442	396.00
DEPARTMENT TOTAL:						8,965.86
DEPARTMENT: 08.4 PUBLIC WORKS - MAINT						
24-50119	10-005373	CARD SERVICES/PI	TRASHCANS, DUSTPAN, FLOORMA	3/2024	5859414	22.18
24-50121	10-005373	CARD SERVICES/PI	24 BAGS ABSORBENT	3/2024	3199459	61.08
24-50132	10-005373	CARD SERVICES/PI	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	64.99
24-50133	10-005373	CARD SERVICES/PI	CHAIR AND TABLE HOLDER	3/2024	9358648	24.99
24-50145	10-005624	RAY ALBRIGHT STEEL PRODUCTS	STEEL FOR WASHBARN	3/2024	24-1627	146.12
24-50153	10-005992	AEG PETROLEUM	55DRUM50/50 ANTIFREEZE	3/2024	856128	162.53
24-50154	10-005992	AEG PETROLEUM	WWF FOR UNITS	3/2024	856129	43.16
24-50162	10-0225	GENUINE PARTS	WHEEL BALANCES FOR UNITS	3/2024	7092-056761	36.89
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	82.83
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	414.74
24-50002	10-2305	HOIDALE CO INC	ANNUAL COMPLIANCE	3/2024	INV5011	102.50
DEPARTMENT TOTAL:						1,162.01
DEPARTMENT: 08.5 PUBLIC WORKS - PARKS						
24-50016	10-005005	BRONCO EQUIPMENT RENTAL & SWECK RENTAL	STUMP GRINDER	3/2024	872347-0001	775.00
24-50031	10-005005	BRONCO EQUIPMENT RENTAL & SCHA	AINS FOR POLE SAW	3/2024	872622-0001	30.00
24-50089	10-005373	CARD SERVICES/PI	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	99.99
24-50119	10-005373	CARD SERVICES/PI	TRASHCANS, DUSTPAN, FLOORMA	3/2024	5859414	134.36
24-50121	10-005373	CARD SERVICES/PI	24 BAGS ABSORBENT	3/2024	3199459	122.16
24-50132	10-005373	CARD SERVICES/PI	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	129.98
24-50133	10-005373	CARD SERVICES/PI	CHAIR AND TABLE HOLDER	3/2024	9358648	49.99
24-50139	10-005721	ECKROAT SEED CO.	HERBICIDES	3/2024	1107424	733.00
24-50103	10-0225	GENUINE PARTS	BATTERY SPRAY RIG	3/2024	056228	82.22
24-50135	10-0225	GENUINE PARTS	FUEL INJ MODULE	3/2024	7092-056423	147.23
24-48282	10-1063	OG&E	MNTHLY SVC	3/2024	20240325	88.89
24-50058	10-1066	OKLAHOMA CONTRACTOR'S SUPPL	3" WHEEL VALVE	3/2024	0378735-IN	678.00
24-48296	10-1068	ONG	MNTHLY SVC	3/2024	20240319	38.36
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCE	PROPERTY INSURANCE	3/2024	20240501	82.83
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	1,493.42
24-50080	10-1509	TOM'S SPEEDY LOCK & KEY SER	POOL & DUMPSTER KEYS	3/2024	69896	29.25
24-50100	10-1589	VOSS LIGHTING	LIGHT BULBS PARK SHELTERS	3/2024	30215056	37.20
24-50090	10-1622	WESTLAKE ACE HARDWARE	PRY BAR	3/2024	3504035	15.99
24-50098	10-1622	WESTLAKE ACE HARDWARE	TWIST DRILL BIT	3/2024	3504037	29.99
24-50107	10-1622	WESTLAKE ACE HARDWARE	ALCOHOL FOR PAINT REMOVAL	3/2024	3504042	37.56
24-50151	10-1622	WESTLAKE ACE HARDWARE	SCRAPERBAR, DRILLBIT, FASTE	3/2024	3504047	35.40
24-50099	10-1646	WYLIE SPRAYERS OF OKLAHOM	HOSES, CLAMPS, HITCH	3/2024	674886, 675334	107.74
24-50112	10-1646	WYLIE SPRAYERS OF OKLAHOM	FILTERS FOR SPRAYER	3/2024	675359	91.78
24-50128	10-1771	ADVENTURE OUT	BED LINER IN UNIT #23-	3/2024	555505	530.00
24-50140	10-1771	ADVENTURE OUT	TRAILER HITCH	3/2024	555507	38.00
24-50143	10-2123	HOME DEPOT CREDIT SVCS	WOOD, ANCHORS, GRATES	3/2024	02195/6020096	87.00
24-50149	10-2123	HOME DEPOT CREDIT SVCS	TOOL BOX FOR UNIT #23-005	3/2024	021444/6422834	415.00
24-50088	10-3226	INTERSTATE BILLING SERVICE,	TRAILER HITCH & PINS	3/2024	3036499952	58.88
DEPARTMENT TOTAL:						6,199.22
FUND TOTAL:						92,426.23

FUND: 021- PUBLIC SAFETY FUND

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 99.0		NON-DEPARTMENTAL				
24-50175	10-005373	CARD SERVICES/P1	Memory Module	3/2024	0217029	26.79
24-50176	10-005373	CARD SERVICES/P1	4 Webcams	3/2024	9097859	99.96
24-50177	10-005373	CARD SERVICES/P1	Desktop for PD	3/2024	549468132	385.99
DEPARTMENT TOTAL:						512.74
FUND TOTAL:						512.74

CITY OF BETHANY

From: Michael Vaughn, Finance Director
Date: 04/02/2024
Subject: Budget Amendment 24-13

BACKGROUND

The City of Bethany issued General Obligation Bonds in 2016 for the construction of a new library and an adjoining park. After initial construction, the General Obligation Bond Fund has a fund balance of approximately \$833,000. The only purchases that can be made from this fund are improvements to the park and the library.

Currently, the patrons at the library park are required to use the restrooms at either the library or City Hall. This is problematic during the times these facilities are closed. Therefore, a restroom located in the park is desirable.

Also, the HVAC units in the library need to be upgraded for optimal performance.

The proposed Budget Amendment would allocate funding for the construction of the restroom in the park, and an improved implementation of HVAC systems in the library. It would also provide funding for additional fencing between the library and the park, and external security cameras at the library.

RECOMMENDATION

1. Approve Budget Amendment 24-13 (attached).



ADDITIONAL COMMENTS

These projects will be funded using 2016 GO Bond funds.

Approval of and authorization to execute Budget Amendment Number BA# 24-13

BUDGET AMENDMENT FORM



Funds: Bethany 2016 Library GO Bond
Amendment #: BA #24-13
Fiscal Year: FY2024

<u>Account #</u>	<u>Account Name</u>	<u>Estimated Revenue</u>		<u>Appropriations</u>	
		<u>Increase</u>	<u>Decrease</u>	<u>Increase</u>	<u>Decrease</u>
Public Works Authority					
032-25390	Unreserved Fund Balance	300,000			
032-599.0-4050550	Library & Park Improvements			300,000	
TOTALS		<u>300,000</u>	<u>-</u>	<u>300,000</u>	<u>-</u>

EXPLANATION: 11 OS Section 17-216 B

The Municipal Budget Act adopted by the City Council allows the City to amend the budget at any time during the year for necessary expenditures incurred that exceed the original budget or when changing circumstances warrant the action.

Budget Amendment 24-13 Appropriates a portion of the unreserved Fund Balance in the 2016 Library GO Bond Fund for improvements to the Library and the Library Park.

Date & Signature of Mayor: _____ x _____ Date

Date & Signature of City Manager: _____ x _____ Date

Date Approved by City Council: April 2, 2024

Library GO Bond Fund Balance

Unappropriated Fund Balance Remaining After Amendment: 583,557.33

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: March 28, 2024
Subject: Consideration and possible action designating the week of April 14-20, 2024, as National Telecommunicator Week in the City of Bethany

BACKGROUND

The Association of Central Oklahoma Governments (ACOG) reminds the City of Bethany that in 1991 the U.S. Congress named the second full week in April each year as National Telecommunicator Week.

Our central dispatch professionals staff our call center 24 hours a day. They are the heart of our public safety system for our citizens and are the lifeline for our emergency responders.

Approving the resolution honors our men and women who serve our citizens and employees in this vital capacity.

RECOMMENDATION

1. Approve Resolution No. 1692 designating April 14-20, 2024, as National Telecommunicator Week in the City of Bethany.

ADDITIONAL COMMENTS



RESOLUTION NO. 1692

WHEREAS, in 1991 Congressional resolution named the second full week in April of every year, National Telecommunicator Week; and

WHEREAS, emergencies can occur at any time or any place and require the assistance of police, fire, or emergency medical services; and

WHEREAS, 9-1-1 is the Hotline for Help for people in emergency situations, and the 9-1-1 call taker’s voice is the first assurance that help is on the way; and

WHEREAS, 9-1-1 professionals regularly meet the challenges of extremely stressful situations with calmness and efficiency; and

WHEREAS, when an emergency occurs, the prompt response of police officers, firefighters and paramedics is critical to the protection of life and preservation of property; and

WHEREAS, the safety of these emergency responders is dependent upon the quality and accuracy of information obtained from citizens who telephone the 9-1-1 communications center; and

WHEREAS, Public Safety Dispatchers are the heart of public safety, providing assistance before any other emergency services arrive on scene; and

WHEREAS, Public Safety Dispatchers are a vital link for our emergency responders by monitoring their activities by radio, providing them information, and ensuring their safety; and

WHEREAS, Public Safety Dispatchers contribute substantially to the apprehension of criminals, suppression of fires and treatment of injuries and illnesses on a daily basis; and

WHEREAS, each dispatcher has exhibited compassion, understanding and professionalism during the performance of his or her daily job duties.

NOW, THEREFORE, BE IT RESOLVED, that the Mayor and City Council of the City of Bethany, Oklahoma declares the week of April 14-20, 2024, to be National Telecommunicator Week in honor of the men and women whose diligence and professionalism keep our citizens and emergency responders safe.

****END****

The foregoing Resolution was duly adopted and approved by the Mayor and City Council of the City of Bethany on the _____ day of _____, 2024, after compliance with notice requirements of the Open Meeting Law (25 OSA, Sections 301, et seq.)

MAYOR

ATTEST:

CITY CLERK

BETHANY CITY COUNCIL

From: Elizabeth A. Gray, City Manager
Date: March 28, 2024
Subject: Consideration and possible approval of Resolution No. 1693 of the City of Bethany, Oklahoma (the “City”) approving action taken by the Bethany Public Works Authority (the “Authority”) authorizing issuance, sale and delivery of a promissory note or notes of the Authority to the Oklahoma Water Resources Board in the total aggregate principal amount of not to exceed \$18,500,000; ratifying and confirming a lease agreement; ratifying and confirming a sales tax agreement by and between the City and the Authority pertaining to a year-to-year pledge of certain sales tax revenue; and containing other provisions related thereto.

BACKGROUND

The City of Bethany and Bethany Public Works Authority recently passed a rate increase in order to cover existing costs and other much needed water and sewer infrastructure. They also recently passed a capital improvement plan to prioritize much needed water and sewer infrastructure projects.

The next step is for both entities to begin funding the projects. Resolutions 1693 and 1694 (attached) will fund the first \$18.5M of prioritized projects through loans with the Oklahoma Water Resources Board.

Staff recommends approval.

RECOMMENDATION

1. Approve Resolution No. 1693 as presented.

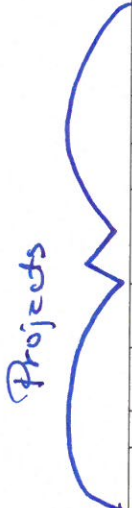
ADDITIONAL COMMENTS

See projects and resolution attachments.



H. SANITARY SEWER PROJECTS

Wastewater system improvements have been identified and are shown in Figure 3. The highest priority and most costly is the BWA PWA Bluff Creek Wastewater Treatment Plant. The remaining projects are sewer main rehabilitation projects and a lift station identified in conjunction with city staff as high maintenance areas. Funding for these projects could include local funds, Oklahoma Water Resources Board (OWRB) loans and Community Development Block Grants (CDBG), if eligible.



PRIORITY	PROJECT NAME	PROJECT LIMITS	ESTIMATED COSTS
1	BWA PWA	BLUFF CREEK WASTEWATER TREATMENT PLANT	\$20,000,000
2	LIFT STATION	NW 25 TH AND SHANNON LIFT STATION GRANT APPLICATION	\$ 750,000
3	PRIORITY AREA 1A	N. PENIEL FROM NW 32 ND TO NW 36 TH	\$ 815,063
4	PRIORITY AREA 1B	N. PENIEL FROM NW 36 TH TO NW 40 TH	\$ 1,218,830
5	PRIORITY AREA 1C	N PENIEL FROM NW 40 TH TO NW 50 TH	\$ 1,541,253
6	PRIORITY AREA 1D	N PENIEL FROM NW 50 TH TO CITY LIMITS	\$ 1,465,215
7	PRIORITY AREA 2A	BEAVER FROM SOUTH OF NW 39 TH STREET TO NW 41 ST AND FROM BEAVER TO ROCKWELL	\$ 900,209
8	PRIORITY AREA 2B	SOUTH OF NW 41 ST FROM BEAVER TO MUELLER, AND NORTH FROM MUELLER TO NW 41 ST	\$ 508,427
9	PRIORITY AREA 2C	BETWEEN NW 41 ST AND NW 42 ND FROM BEAVER TO MUELLER AND A PORTION OF NW 42 ND	\$ 496,214
10	PRIORITY AREA 3A	NW 35 TH BETWEEN HOLLOWAY AND MUELLER	\$ 934,571
11	PRIORITY AREA 3B	ROCKWELL AND NW 32 ND AND NW 33 RD FROM COLLEGE TO PENIEL	\$ 538,097
12	PRIORITY AREA 3C	NW 35 TH BETWEEN MUELLER AND COLLEGE	\$ 643,045
13	PRIORITY AREA 3D	AREA BETWEEN COLLEGE AND MUELLER; BETWEEN NW 34 TH AND NW 32 ND	\$ 500,000
14	PRIORITY AREA 3E	AREA BETWEEN HOLLOWAY AND MUELLER; AND BETWEEN NW 34 TH AND NW 32 ND	\$ 500,000
15	PRIORITY AREA 4A	HAMMOND FROM NW 31 ST TO NW 32 ND	\$ 345,000
16	PRIORITY AREA 4B	HAMMOND FROM NW 30 TH TO NW 31 ST	\$ 465,000
17	PRIORITY AREA 4C	NW 31 ST TERR. FROM PENIEL TO HAMMOND	\$ 470,000
18	PRIORITY AREA 4D	NW 31 ST ST FROM WHEELER CIRCLE TO NW 31 ST TERR.	\$ 465,000
19	PRIORITY AREA 4E	NW 50 TH FROM PENIEL TO HAMMOND	\$ 430,000
20	PRIORITY AREA 5A	NW 52 ND BETWEEN MUELLER & CENTRAL	\$ 305,000
21	PRIORITY AREA 5B	NW 53 RD BETWEEN BEAVER & CENTRAL	\$ 340,000
22	PRIORITY AREA 5C	NW 53 RD BETWEEN ROCKWELL & MUELLER	\$ 590,000
	PRIORITY AREA 5D	ROCKWELL FROM NW 50 TH TO NW 54 TH	
23	PRIORITY AREA 5E	NW 50 TH FROM ROCKWELL TO MUELLER & N BETWEEN N BEAVER & WILLOW	\$ 370,000
			\$ 34,590,924

Figure 3 – Sanitary Sewer Projects

WATER SYSTEM IMPROVEMENTS

PRIORITY		PROJECT LOCATION	ESTIMATED COSTS
1		WTP SUMP PUMP	\$30,000.00
2		USBR WATER METER GRANT MATCH	\$500,000.00
3		BOOSTER PUMP STATION	\$2,500,000.00
4		WTP SCADA & COMPUTERS	\$135,000.00
5		BPS 2 MILLION GALLON TANK	\$1,050,000.00
6		WTP 2 MILLION GALLON TANK	\$750,000.00
7		USBR WATER METER GRANT MATCH	\$1,500,000.00
8		ELEVATED 500,000 GALLON TANK	\$875,000.00
9		ELEVATED 1,000,000 GALLON TANK	\$875,000.00
10		AUTOMATED METER INFRASTRUCTURE	\$1,000,000.00
WATER SYSTEM IMPROVEMENTS TOTAL			\$9,215,000.00

PURSUANT TO THE LEGAL NOTICE AS IS REQUIRED BY THE OKLAHOMA OPEN MEETING ACT INCLUDING THE POSTING OF NOTICE AND AGENDA AS IS REQUIRED BY THE TERMS THEREOF, THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA (THE "CITY") MET IN A REGULAR MEETING AT CITY HALL IN BETHANY OKLAHOMA ON THE 2ND DAY OF APRIL, 2024, AT 6:30 P.M.

PRESENT:

ABSENT:

(OTHER PROCEEDINGS)

Thereupon, the following Resolution was introduced and caused to be read by the City Clerk. _____ moved passage of the Resolution and Councilmember _____ seconded the motion. The motion carrying with it the approval of said Resolution was approved by the following vote:

AYE:

NAY:

The Resolution so approved is as follows:

RESOLUTION NO. 1693

A RESOLUTION OF THE CITY OF BETHANY, OKLAHOMA (THE "CITY") APPROVING ACTION TAKEN BY THE BETHANY PUBLIC WORKS AUTHORITY (THE "AUTHORITY") AUTHORIZING ISSUANCE, SALE AND DELIVERY OF A PROMISSORY NOTE OR NOTES OF THE AUTHORITY TO THE OKLAHOMA WATER RESOURCES BOARD IN THE TOTAL AGGREGATE PRINCIPAL AMOUNT OF NOT TO EXCEED \$18,500,000; RATIFYING AND CONFIRMING A LEASE AGREEMENT; RATIFYING AND CONFIRMING A SALES TAX AGREEMENT BY AND BETWEEN THE CITY AND THE AUTHORITY PERTAINING TO A YEAR-TO-YEAR PLEDGE OF CERTAIN SALES TAX REVENUE; AND CONTAINING OTHER PROVISIONS RELATED THERETO.

WHEREAS, The Bethany Public Works Authority, a public trust (the "Authority"), has been created by a Declaration of Trust for the use and benefit of the City of Bethany, Oklahoma (the "City"), under authority of and pursuant to the provisions of Title 60, Oklahoma Statutes 2023, Sections 176-180.3, inclusive, as amended and supplemented, the Oklahoma Trust Act and other applicable statutes of the State of Oklahoma; and

WHEREAS, the Trustees of the Authority have determined upon a financing plan consisting of providing funds to improve the City’s water, sanitary sewer and stormwater systems (the “Project”); and

WHEREAS, in order to effect the said financing, the Trustees of the Authority intend to incur indebtedness in the aggregate principal amount of not to exceed \$18,500,000, said indebtedness to be evidenced by the issuance of sale and delivery of its Series 2024 Promissory Note and/or Notes to the Oklahoma Water Resources Board; and

WHEREAS, the City Council hereby determines that the actions to be taken by the Authority should be authorized and approved; and

WHEREAS, the City hereby determines that such other action necessary or attendant to accomplishment of the referenced financing should be considered by the City Council of the City;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF BETHANY, OKLAHOMA:

Section 1. Issuance of Notes. That the issuance, sale and delivery of the Authority’s Series 2024 Promissory Note and/or Notes to Oklahoma Water Resources Board in the total aggregate principal amount of not to exceed \$18,500,000 (collectively, the “2024 Notes”), be and hereby is authorized, approved and ratified.

Section 2. Approval. That all actions to be taken by the Authority in connection with the issuance, sale and delivery of the 2024 Notes, and all other aspects of the transaction be and are hereby authorized, approved and ratified. The aforesaid Project will serve the public purposes of the City and hereby is expressly determined to be in furtherance of the public purposes for which the Authority was created.

Section 3. Lease Agreement. The Lease Agreement dated as of March 17, 1959, as amended by a Supplement to Lease dated as of May 20, 2003, all by and between the City and the Authority (collectively, the “Lease Agreement”), whereby the City leases unto the Authority its water and sanitary sewer systems, is hereby ratified and confirmed and the term of said Lease Agreement shall extend until the 2024 Notes are paid.

Section 4. Sales Tax Agreement. The City hereby ratifies and confirms the execution of a Sales Tax Agreement dated as of April 1, 2008, between the City and the Authority (the “Sales Tax Agreement”), which Sales Tax Agreement pertains to a year-to-year pledge of certain sales tax revenue as security for the 2024 Notes.

Section 5. Necessary Action. That the Mayor or Vice Mayor and City Clerk or Assistant City Clerk be and hereby are authorized and empowered to execute and deliver for and on behalf of the City any and all other documents or instruments reasonably necessary to accomplish the issuance, sale and delivery of the 2024 Notes and all other aspects of the transaction.

[Remainder of Page Intentionally Left Blank]

APPROVED AND ADOPTED THIS _____ DAY OF APRIL, 2024.

CITY OF BETHANY, OKLAHOMA

Mayor

ATTEST: (SEAL)

City Clerk

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

I, the undersigned, City Clerk of the City of Bethany, Oklahoma, do hereby certify that the above and foregoing is a true, full and correct copy of an excerpt from the minutes of a meeting of the City Council of said City held on the date above stated, all as recorded in the official minutes of such meeting. I further certify that the “Open Meeting Law” was complied with for such meeting.

GIVEN UNDER MY HAND THIS _____ DAY OF APRIL, 2024.

(SEAL)

City Clerk

ORDINANCE NO. 2056

AN ORDINANCE AMENDING SECTION 31.02 TO THE BETHANY CODE OF ORDINANCES ENTITLED FILING AND FEES TO ALLOW A PETITION SUPPORTING CANDIDACY IN LIEU OF PAYING A FEE TO THE COUNTY ELECTION BOARD.

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

SECTION 1. Section 31.02 reads as follows:

(A) A qualified person may become a candidate for the Office of Council member or Mayor by filing a declaration of candidacy with the County Election Board during the time period established by the Charter of the city.

(B) (1) A declaration for candidacy shall be accompanied by a cashier's check or certified check payable to the County Election Board in the amount of \$50.

(2) The filing fee shall be forfeited to the County Election Board and the proceeds applied to the costs of the election as charged to the city by the County Election Board unless the candidate is unopposed in the election or receives more than 15% of the votes cast for the office for which the person filing was a candidate, in which case the check shall be returned to the candidate immediately.

SECTION 2. Section 31.02 (B) (1) is amended as follows:

(B) (1) A declaration for candidacy shall be accompanied by a cashier's check or certified check payable to the County Election Board in the amount of \$50; **or alternatively by a petition supporting the candidate's filing signed by 50 registered voters eligible to vote for the candidate. Persons signing the petition must provide their printed name, residential address, Oklahoma voter ID number and the date of signing the petition. The petition shall state the name of the candidate and the office for which he or she is running. The circulator of each page of the petition must sign the page and provide their printed name and residential address.**

SECTION 3. If any part, article, section, or subsection of this ordinance shall be held invalid or unconstitutional for any reason, such holding shall not be construed to impair or invalidate the remainder of said ordinance, notwithstanding such holding.

END

The foregoing ordinance was introduced before the Lindsay City Council on the ____ day of _____, 202__, and was duly adopted and approved by the Mayor and City Council on the ____ day of _____, 202__, and after compliance with notice requirements of the Open Meeting Law (25 OSA, Sections 301, et seq.)

ATTEST:

MAYOR

CITY CLERK

Approved as to form and legality on _____, 2024_.

CITY ATTORNEY

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: April 2, 2024
Subject: Amendment No. 1 to Engineering Contract with TEIM Design for the American Rescue Plan Act Grant Well Field Rehabilitation and Improvements Project

BACKGROUND

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

On November 10, 2022, the City of Bethany advertised a request for qualifications for City Engineering services for this project. On December 30, 2022, the City Council awarded the successful Request for Qualifications to TEIM Design. On February 21, 2023, the City Council approved the contract for Engineering services with TEIM Design.

On October 17, 2023, the City Council approved initiating the bid process and authorize staff to open bids. Bids were subsequently opened, and the construction project was awarded to Diversified Construction on March 19, 2024.

Staff recommends approval of the attached amendment to increase the contract by an hourly amount not to exceed \$100,000 for construction inspection services.

RECOMMENDATION

1. Approve Amendment No. 1 of the Engineering Contract between the City of Bethany and TEIM Design for Construction Inspection Services for the American Rescue Plan Act Grant for Well Field Rehabilitation and Improvements Project.

ADDITIONAL COMMENTS

Funds for this contract will come ARPA Grant.



AMENDMENT NO. 1
AMERICAN RESCUE PLAN ACT GRANT FOR WELL AND WELLFIELD
IMPROVEMENT PROJECT
CITY OF BETHANY

This Amendment is made and entered into this _____ day of _____, 2024 by and between the City of Bethany, OK, herein called the "City", and TEIM Design, herein called the "Engineer".

WITNESSETH:

WHEREAS, the City and the Engineer entered into an agreement on February 21, 2023, to provide engineering services for the American Rescue Plan Act Grant for Well and Wellfield Improvement Project.

WHEREAS, this contract allows for the City to request additional tasks, which may be required:

WHEREAS, the City wishes to add new task projects;

WHEREAS, the Engineer shall perform these tasks and furnish completed detailed construction plans, bidding, and construction services in accordance to each specific project task;

WHEREAS, the new project tasks (Amendment No. 1) shall be as follows;

Construction Inspection	\$100,000	Hourly Not to Exceed
-------------------------	-----------	----------------------

WHEREAS, section 3 of the original contract must be amended to provide for the Engineer's increased scope of work as outlined above & associated fees, and

WHEREAS, the total compensation to be paid to the Engineer for this contract & amendment shall be as follows:

For the original contract:

Not to exceed \$552,000 for engineering services

For Amendment No. 1:

Not to exceed \$100,000 for construction inspection services

Total Amended Contract

Not to exceed \$652,000

WHEREAS, both parties agree to amend said contract

IN WITNESS WHEREOF, this Amendment was executed and approved by the Engineer
this ____ day of _____, 2024.

ATTEST:

TEIM Design, PLLC.

State of Oklahoma



County of Oklahoma

President

This instrument was acknowledged before me on this 25th day of
March 2024, by Joe Davis, PE as President of TEIM
Design, PLLC.

My Commission Expires/Commission Number:



10-04-27 / 19010036



Notary Public

IN WITNESS WHEREOF, this Amendment was approved and executed by the City of Bethany
this _____ day of _____, 2024.

ATTEST:

City of Bethany

City Clerk

Mayor

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: April 2, 2023
Subject: Request Permission to Advertise for Bids for General Obligation Bond Propositions 2-A Eldon Lyon Park, 2-B Ripper Park, 2-C Garrison Park, 2-D Macrory Park, and 2-F Cecil Mendenall Park

BACKGROUND

On August 23, 2022, citizens of Bethany passed General Obligation Bond, Proposition 2:

- 2-A Eldon Lyon Park Restroom and Pavilion Remodels
- 2-B Ripper Park Restroom Remodel
- 2-C Garrison Park Restroom and Pavilion Remodel
- 2-D Macrory Park Restroom Remodel
- 2-F Cecil Mendenall Park

On October 3, 2023, the City of Bethany entered into a contract for 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 2-A, 2-B, 2-C, 2-D, and 2-F.

ADDITIONAL COMMENTS

Projects to be funded from G.O. Bond Proposition 2 funds.



SPECIFICATIONS

for

**PROPOSITION 2
BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS**

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. ET424.14

March, 2024


APPROVAL SHEET

PROPOSITION 2
BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS

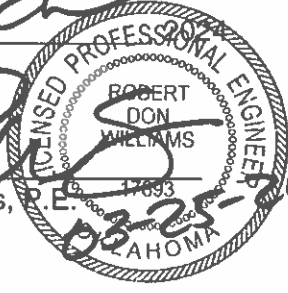
SUBMITTED BY

TEIM DESIGN, PLLC

THIS 25th DAY OF March



Robert Don Williams, 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 **2:00 p.m. on Wednesday the 8th day of May, 2024**, for the construction of:

PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS

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 **2:00 p.m. on Wednesday the 8th day of May, 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 Thursday, April 18th, 2024, at 10:00 a.m. Attendance at the pre-bid conference is mandatory.

City Clerk

TABLE OF CONTENTS

	PAGE NO.
Approval Sheet.....	AS-1
Notice to Bidders	NTB-1
Table of Contents	TC-1 - TC-2
General Provision	
Definition of Terms	GP-1 - GP3
Requirements for Bidders.....	GP-4 - GP-6
Award and Execution of Contract	GP-6 - GP-7
Scope of Work	GP-8
Control of the Work and Materials	GP-9 - GP-13
Legal Relation and Responsibility to the Public	GP-13 – GP20
Prosecution and Progress	GP-20 - GP-22
Payment.....	GP-23 - GP-24
Special Provisions	
General	SP-1
Project Duration	SP-1
Insurance	SP-1
Laws and Ordinances	SP-1
Testing	SP-1
Interpretation of Plans and Specifications.....	SP-2
Rights-of-Way	SP-2
Field Check of Existing Structures.....	SP-2
Protection of Public and Private Property	SP-3
Water	SP-3
Connections with Existing Pipelines	SP-3
Electric Service for Construction	SP-3
Qualification Requirements	SP-4
Project Location	SP-4
Quantity	SP-4
Amount	SP-4
Materials	SP-4
Basis of Payment	SP-4
Award of Contract	SP-4
Approval of Materials	SP-5
Installation of Equipment.....	SP-5
Operating Data and Procedures Information	SP-5
Guarantee.....	SP-6
Clean-Up.....	SP-6
Removal of Equipment.....	SP-6
Materials and Workmanship.....	SP-6 - SP-7
Removal of Defective and Unauthorized Work.....	SP-7
Correction of Work After Final Payment	SP-7
Measurement and Payment	SP-7

Wage Rates	SP-8
Pre-Bidding Inspection of Site	SP-8
Bid Rejection	SP-8
Retainage.....	SP-8
Remove and Replace Fences	SP-8
Barricades and Warning Signs	SP-8
Protection of Existing Structures	SP-9
Tree Removal	SP-9
Sub-Surface Conditions	SP-9
Layout of Work and Surveys	SP-9
Protection and Restoration of Property.....	SP-9-10
Supplemental Technical Specifications	SP-10
Traffic Control	SP-10
 Contract and Bonds	
Contract	1 - 5
Construction Bond.....	CB-1 - CB-3
Maintenance Bond	MB-1 - MB-3
Statutory Bond	SB-1 - SB-2
 List of Documents Required for this Bid	LD-1
 Proposal Documents	
Bid Form	BF-1 - BF-2
Detailed Bid Form	DBF-1
 Contractor's Affidavits and Certificates	
Bid Bond	BB-1
Anticollusion Affidavit	A-1
Affidavit of Surety	AOS-1
Business Relationships Affidavit.....	BRA-1
Certificate of Non-Discrimination	CND-1
Affidavit of Non-Boycotting of Energy Companies	AONBEC-1

ATTACHMENT
PROJECT MANUAL – PROP. 2-A, 2-B, 2-C, AND 2-D
PROJECT MANUAL – PROP 2-F

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 **PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS 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 210 calendar days. Liquidated damages shall begin after this date. Amount of liquid damages is stated in the General Provisions.

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 Building Contract "A" or Building Contractor "B" or Building Contractor "C" 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

Eldon Lyon Park, Garrison Park, MacRory Park, Ripper Park and Cecil Mendenhall Park.

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:

PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS

as outlined and set out in the Bidding Documents and in accordance with the terms and provisions of this Contract; and, Proposition 2 Bethany Parks, Restroom, and Pavilion Improvements

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:

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
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:

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
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:

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
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

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS**

TEIM Design, PLLC Project No. ET424.14

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. ET424.14**

Description **PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS
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 Price (BASE BID PLUS ALL ALTERNATES):

(\$ _____).

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.

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
CITY OF BETHANY, OKLAHOMA**

DETAILED BID FORM

Item Number	Prop	Title	Description	Quantity	Unit	Unit Price	Total Price
1	PROP 2-A	ELDON LYON RESTROOM IMPROVEMENTS (EAST)	BASE BID	1.00	lump sum		
2	PROP 2-A	ELDON LYON RESTROOM IMPROVEMENTS (WEST)	BASE BID	1.00	lump sum		
3	PROP 2-B	GARRISON PARK RESTROOM IMPROVEMENTS	BASE BID	1.00	lump sum		
4	PROP 2-C	MACRORY PARK RESTROOM IMPROVEMENTS	BASE BID	1.00	lump sum		
5	PROP 2-D	RIPPER PARK RESTROOM IMPROVEMENTS	BASE BID	1.00	lump sum		
6	PROP 2-F	CECIL MENDENALL PARK RESTROOM FACILITY	BASE BID	1.00	lump sum		
7	PROP 2-A	ELDON LYON PARK RESTROOM ROOF REPLACEMENT (EAST)	ALTERNATE 1A	1.00	lump sum		
8	PROP 2-A	ELDON LYON PARK RESTROOM ROOF REPLACEMENT (WEST)	ALTERNATE 1A	1.00	lump sum		
9	PROP 2-A	ELDON LYON PARK PAVILION ROOF REPLACEMENT (EAST)	ALTERNATE 1B	1.00	lump sum		
10	PROP 2-A	ELDON LYON PARK PAVILION ROOF REPLACEMENT (WEST)	ALTERNATE 1B	1.00	lump sum		
11	PROP 2-B	GARRISON PARK PAVILION ROOF REPLACEMENT ELDON LYON PARK PAVILION (EAST)	ALTERNATE 2	1.00	lump sum		
12	PROP 2-A	ELDON LYON PARK PAVILION (WEST)	ALTERNATE 3A	1.00	lump sum		
13	PROP 2-A		ALTERNATE 3A	1.00	lump sum		
14	PROP 2-B	GARRISON PARK PAVILION	ALTERNATE 3B	1.00	lump sum		
15	PROP 2	PLUMBING FIXTURES	ALTERNATE P1	1.00	lump sum		
			Total Bid Price (Base Bid plus All Alternates)				

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
CITY OF BETHANY, OKLAHOMA**

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

BID BOND

**PROPOSITION 2 BETHANY PARKS RESTROOM
AND PAVILION IMPROVEMENTS
CITY OF BETHANY, OKLAHOMA
TEIM Design, PLLC Project No. ET424.14**

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;

PROJECT MANUAL

**Prop 2-A, 2-B, 2-C and 2-D Park
Restroom Renovations**

Prop 2-A and Prop 2-C Pavillions

PREPARED FOR THE:

City of Bethany

This page intentionally left blank



GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TOILET, BATH, AND LAUNDRY ACCESSORIES
SECTION 133419

TABLE OF CONTENTS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

NOT APPLICABLE

DIVISION 01 - GENERAL REQUIREMENTS

SECTION 011000 - SUMMARY
SECTION 012600 - CONTRACT MODIFICATION PROCEDURES
SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION
SECTION 013300 - SUBMITTAL PROCEDURES
SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS
SECTION 017300 - EXECUTION
SECTION 017700 - CLOSEOUT PROCEDURES
SECTION 017839 - PROJECT RECORD DOCUMENTS

DIVISION 02 - EXISTING CONDITIONS

NOT APPLICABLE

DIVISION 03 - CONCRETE

SECTION 033000 - CAST-IN-PLACE CONCRETE

DIVISION 04 - MASONRY

SECTION 042200 - CONCRETE UNIT MASONRY

DIVISION 05 - METALS

NOT APPLICABLE

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

NOT APPLICABLE

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

SECTION 075113 - BUILT-UP ASPHALT ROOFING
SECTION 076200 - SHEET METAL FLASHING AND TRIM
SECTION 079200 - JOINT SEALANTS

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TOILET, BATH, AND LAUNDRY ACCESSORIES
SECTION 133419

DIVISION 08 - OPENINGS

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

DIVISION 09 - FINISHES

SECTION 092400 - CEMENT PLASTERING
SECTION 096723 - RESINOUS FLOORING
SECTION 099113 - EXTERIOR PAINTING
SECTION 099123 - INTERIOR PAINTING

DIVISION 10 - SPECIALTIES

SECTION 102800 - TOILET, BATH AND LAUNDRY ACCESSORIES

DIVISION 11 - EQUIPMENT

NOT APPLICABLE

DIVISION 12 - FURNISHINGS

NOT APPLICABLE

DIVISION 13 - SPECIAL CONSTRUCTION

SECTION 133419 - METAL BUILDING SYSTEMS

DIVISION 14 - CONVEYING EQUIPMENT

NOT APPLICABLE

DIVISION 15 - MECHANICAL

DIVISION 16 - ELECTRICAL

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUMMARY
SECTION 011000

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

- 1. Project information.

B. Project Identification:

- 1. Project Location:

- a. Prop 2-A Eldon Lyon Park - 7400 NW 36th Street.
- b. Prop 2-B Ripper Park - 7800 NW 30th Street.
- c. Prop 2-C Henry Garrison Park - 6810 NW 19th Street
- d. Prop 2-D Macrory Park - 5100 North College Ave.

C. Owner: The City of Bethany, Oklahoma.

- 1. Owner's Representative: TEIM Design.

D. Architect: TEIM Design, Walter Joyce, AIA.

E. Architect's Consultants: Architect has retained the following design professionals who have prepared designated portions of the Contract Documents:

- 1. Structural Engineer: Roy Dean, PE
- 2. Mechanical Engineer: Owen Gwin, PE
- 3. Electrical Engineer: Frank Reid, PE

F. Civil Engineer:: TEIM Design, Robbie Williams P.E.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUMMARY
SECTION 011000

1.3 WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of Project is defined by the Contract Documents and consists of the following:
1. This project consists of interior restrooms renovations and associated service spaces to the following locations.
 - a. Prop 2-A Eldon Lyon Park
 - b. Prop 2-B Ripper Park
 - c. Prop 2-C Henry Garrison Park
 - d. Prop 2-D Macrory Park
 2. Additionally, to provide for a pavillion(s) to two locations. Identified as a single bid alternate.
 - a. Prop 2-A Eldon Lyon Park, two pavillions
 - b. Prop 2-C Henry Garrison Park, one pavillion
- B. Type of Contract:
1. Project will be constructed under a single prime contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SUMMARY - SECTION 011000-2

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONTRACT MODIFICATION PROCEDURES
SECTION 012600

SECTION 012600 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing Contract modifications.

1.2 MINOR CHANGES IN THE WORK

- A. Architect will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time.

1.3 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
 - 1. Work Change Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
 - 2. Within 20 days, when not otherwise specified, after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
 - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
 - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 - c. Include costs of labor and supervision directly attributable to the change.
 - d. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONTRACT MODIFICATION PROCEDURES
SECTION 012600

1.4 CHANGE ORDER PROCEDURES

- A. On Owner's approval of a Work Change Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on form included in Project Manual.

1.5 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: Architect may issue a Construction Change Directive on form included in Project Manual. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
 - 1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.

1.6 WORK CHANGE DIRECTIVE

- A. Work Change Directive: Architect may issue a Work Change Directive. Work Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order
 - 1. Work Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Work Change Directive.
 - 1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT MANAGEMENT AND COORDINATION
SECTION 013100

SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
 - 1. General coordination procedures.
 - 2. Project meetings.

1.3 DEFINITIONS

- A. RFI : Request for Information. Request from Owner, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

- B. INFORMATIONAL SUBMITTALS

- 1. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:

1.4 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations included in different Sections that depend on each other for proper installation, connection, and operation.
 - 1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT MANAGEMENT AND COORDINATION
SECTION 013100

2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
3. Make adequate provisions to accommodate items scheduled for later installation.

B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities and scheduled activities of other contractors to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:

1. Preparation of Contractor's construction schedule.
2. Preparation of the schedule of values.
3. Delivery and processing of submittals.
4. Progress meetings.
5. Preinstallation conferences.
6. Project closeout activities.

1.5 REQUEST FOR INFORMATION (RFI)

A. General: Immediately on discovery of the need for additional information, clarification, or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.

1. Architect will return without response those RFIs submitted to Architect by other entities controlled by Contractor.
2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

H. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:

1. Project name.
2. Project number.
3. Date.
4. Name of Contractor.
5. Name of Architect.
6. RFI number, numbered sequentially.
7. RFI subject.
8. Specification Section number and title and related paragraphs, as appropriate.
9. Drawing number and detail references, as appropriate.
10. Field dimensions and conditions, as appropriate.
11. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
12. Contractor's signature.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT MANAGEMENT AND COORDINATION
SECTION 013100

13. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.
 - C. RFI Forms: acceptable to Architect.
 - D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven working days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
 - E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. :
 1. Project name.
 2. Name and address of Contractor.
 3. RFI number including RFIs that were returned without action or withdrawn.
 4. RFI description.
 5. Date the RFI was submitted.
 6. Date Architect's response was received.
 - F. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response.
- 1.6 PROJECT MEETINGS
- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
 - B. Preconstruction Conference: Schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT MANAGEMENT AND COORDINATION
SECTION 013100

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

SECTION 013300 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Submittal schedule requirements.
2. Administrative and procedural requirements for submittals.

1.2 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."

1.3 SUBMITTAL SCHEDULE

- A. Submittal Schedule: Submit, as an action submittal, a list of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.

1.4 SUBMITTAL FORMATS

A. Submittal Information: Include the following information in each submittal:

1. Project name.
2. Date.
3. Name of Architect.
4. Name of Contractor.
5. Name of firm or entity that prepared submittal

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

6. Names of subcontractor, manufacturer, and supplier.
 7. Unique submittal number, including revision identifier. Include Specification Section number with sequential alphanumeric identifier; and alphanumeric suffix for resubmittals.
 8. Category and type of submittal.
 9. Submittal purpose and description.
 10. Number and title of Specification Section, with paragraph number and generic name for each of multiple items.
 11. Drawing number and detail references, as appropriate.
 12. Indication of full or partial submittal.
 13. Location(s) where product is to be installed, as appropriate.
 14. Other necessary identification.
 15. Remarks.
 16. Signature of transmitter.
- B. Deviations and Additional Information: On each submittal, clearly indicate deviations from requirements in the Contract Documents, including minor variations and limitations; include relevant additional information and revisions, other than those requested by Architect on previous submittals. Indicate by highlighting on each submittal or noting on attached separate sheet.
- C. PDF Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

1.5 SUBMITTAL PROCEDURES

- A. Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
1. Prepare submittals as PDF package, and transmit to Architect by sending via email. Include PDF transmittal form.
- B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
 3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
- C. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

- D. Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

1.6 SUBMITTAL REQUIREMENTS

- A. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
 - 1. If information must be specially prepared for submittal because standard published data are unsuitable for use, submit as Shop Drawings, not as Product Data.
 - 2. Mark each copy of each submittal to show which products and options are applicable.
 - 3. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Manufacturer's product specifications.
 - c. Standard color charts.
 - d. Statement of compliance with specified referenced standards.
 - e. Testing by recognized testing agency.
 - f. Application of testing agency labels and seals.
 - g. Notation of coordination requirements.
 - h. Availability and delivery time information.
 - 4. For equipment, include the following in addition to the above, as applicable:
 - a. Wiring diagrams that show factory-installed wiring.
 - b. Printed performance curves.
 - c. Operational range diagrams.
 - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
 - 5. Submit Product Data before Shop Drawings, and before or concurrent with Samples.
- B. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
 - 1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
 - a. Identification of products.
 - b. Schedules.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

- c. Compliance with specified standards.
- d. Notation of coordination requirements.
- e. Notation of dimensions established by field measurement.
- f. Relationship and attachment to adjoining construction clearly indicated.
- g. Seal and signature of professional engineer if specified.

C. Certificates:

1. Certificates and Certifications Submittals: Submit a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity. Provide a notarized signature where indicated.

D. Test and Research Reports:

1. Compatibility Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of compatibility tests performed before installation of product. Include written recommendations for primers and substrate preparation needed for adhesion.
2. Field Test Reports: Submit written reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.
3. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
4. Preconstruction Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of tests performed before installation of product, for compliance with performance requirements in the Contract Documents.
5. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
6. Research Reports: Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project. Include the following information:
 - a. Name of evaluation organization.
 - b. Date of evaluation.
 - c. Time period when report is in effect.
 - d. Product and manufacturers' names.
 - e. Description of product.
 - f. Test procedures and results.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

g. Limitations of use.

1.7 ARCHITECT'S REVIEW

- A. Action Submittals: Architect will review each submittal, indicate corrections or revisions required, and return it.
 - 1. PDF Submittals: Architect will indicate, via markup on each submittal, the appropriate action.
- B. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Architect will return without review submittals received from sources other than Contractor.
- F. Submittals not required by the Contract Documents will be returned by Architect without action.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SUBMITTAL PROCEDURES
SECTION 013300

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

1.2 USE CHARGES

- A. General: Installation and removal of and use charges for temporary facilities shall be included in the Contract Sum unless otherwise indicated. Allow other entities engaged in the Project to use temporary services and facilities without cost, including, but not limited to, Owner's construction forces, Architect, testing agencies, and authorities having jurisdiction.
- B. Water and Sewer Service from Existing System: Water from Owner's existing water system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.
- C. Electric Power Service from Existing System: Electric power from Owner's existing system is available for use without metering and without payment of use charges. Provide connections and extensions of services as required for construction operations.

1.3 INFORMATIONAL SUBMITTALS

- A. Site Utilization Plan: Show temporary facilities, temporary utility lines and connections, staging areas, construction site entrances, vehicle circulation, and parking areas for construction personnel.
- B. Project Identification and Temporary Signs: Show fabrication and installation details, including plans, elevations, details, layouts, type styles, graphic elements, and message content.
- C. Erosion- and Sedimentation-Control Plan: Show compliance with requirements of EPA Construction General Permit or authorities having jurisdiction, whichever is more stringent.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

1.4 QUALITY ASSURANCE

- A. Electric Service: Comply with NECA, NEMA, and UL standards and regulations for temporary electric service. Install service to comply with NFPA 70.
- B. Tests and Inspections: Arrange for authorities having jurisdiction to test and inspect each temporary utility before use. Obtain required certifications and permits.

1.5 PROJECT CONDITIONS

- A. Temporary Use of Permanent Facilities: Engage Installer of each permanent service to assume responsibility for operation, maintenance, and protection of each permanent service during its use as a construction facility before Owner's acceptance, regardless of previously assigned responsibilities.

PART 2 - PRODUCTS

2.1 TEMPORARY FACILITIES

- A. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities and to accommodate Project meetings specified in other Division 01 Sections. Keep office clean and orderly. Furnish and equip offices as follows:
 - 1. Furniture required for Project-site documents including file cabinets, plan tables, plan racks, and bookcases.
 - 2. Conference room of sufficient size to accommodate meetings of 6 individuals. Provide electrical power service and 120-V ac duplex receptacles, with no fewer than one receptacle on each wall. Furnish room with conference table, chairs, and 4-foot- square tack and marker boards.
 - 3. Drinking water and private toilet.
 - 4. Heating and cooling equipment necessary to maintain a uniform indoor temperature of 68 to 72 deg F.
 - 5. Lighting fixtures capable of maintaining average illumination of 20 fc at desk height.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

PART 3 - EXECUTION

3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.
 - 1. Salvage materials and equipment involved in performance of, but not actually incorporated into, the Work. See other Sections for disposition of salvaged materials that are designated as Owner's property.

3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.
- B. Provide each facility ready for use when needed to avoid delay. Do not remove until facilities are no longer needed or are replaced by authorized use of completed permanent facilities.

3.3 TEMPORARY UTILITY INSTALLATION

- A. General: Install temporary service or connect to existing service.
 - 1. Arrange with utility company, Owner, and existing users for time when service can be interrupted, if necessary, to make connections for temporary services.
- B. Sewers and Drainage: Provide temporary utilities to remove effluent lawfully.
 - 1. Connect temporary sewers as directed by authorities having jurisdiction.
- C. Water Service: Install water service and distribution piping in sizes and pressures adequate for construction.
- D. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- E. Isolation of Work Areas in Occupied Facilities: Prevent dust, fumes, and odors from entering occupied areas.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

- F. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.
- G. Lighting: Provide temporary lighting with local switching that provides adequate illumination for construction operations, observations, inspections, and traffic conditions

3.4 SUPPORT FACILITIES INSTALLATION

- A. General: Comply with the following:
 - 1. Provide construction for temporary offices, shops, and sheds located within construction area or within 30 feet of building lines that is noncombustible according to ASTM E 136. Comply with NFPA 241.
 - 2. Maintain support facilities until Architect schedules Substantial Completion inspection. Remove before Substantial Completion. Personnel remaining after Substantial Completion will be permitted to use permanent facilities, under conditions acceptable to Owner.
- B. Temporary Roads and Paved Areas: Construct and maintain temporary roads and paved areas adequate for construction operations. Locate temporary roads and paved areas within construction limits.
 - 1. Provide dust-control treatment that is nonpolluting and nontracking. Reapply treatment as required to minimize dust.
- C. Traffic Controls: Comply with requirements of authorities having jurisdiction.
 - 1. Protect existing site improvements to remain including curbs, pavement, and utilities.
 - 2. Maintain access for fire-fighting equipment and access to fire hydrants.
- D. Parking: Provide temporary parking areas for construction personnel.
- E. Dewatering Facilities and Drains: Comply with requirements of authorities having jurisdiction. Maintain Project site, excavations, and construction free of water.
 - 1. Dispose of rainwater in a lawful manner that will not result in flooding Project or adjoining properties or endanger permanent Work or temporary facilities.
 - 2. Remove snow and ice as required to minimize accumulations.
- F. Project Signs: Provide Project signs as indicated. Unauthorized signs are not permitted.
 - 1. Identification Signs: Provide Project identification signs.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
 - a. Provide temporary, directional signs for construction personnel and visitors.
 3. Maintain and touch up signs so they are legible at all times.
- G. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction. Comply with progress cleaning requirements in Section 017300 "Execution."
- H. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.
- I. Temporary Stairs: provide temporary stairs where ladders are not adequate.

3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
 1. Where access to adjacent properties is required in order to affect protection of existing facilities, obtain written permission from adjacent property owner to access property for that purpose.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Stormwater Control: Comply with requirements of authorities having jurisdiction. Provide barriers in and around excavations and subgrade construction to prevent flooding by runoff of stormwater from heavy rains.
- D. Pest Control: Engage pest-control service to recommend practices to minimize attraction and harboring of rodents, roaches, and other pests and to perform extermination and control procedures at regular intervals so Project will be free of pests and their residues at Substantial Completion. Perform control operations lawfully, using materials approved by authorities having jurisdiction.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

- E. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
 - 1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
- F. Security Enclosure and Lockup: Install temporary enclosure around partially completed areas of construction. Provide lockable entrances to prevent unauthorized entrance, vandalism, theft, and similar violations of security. Lock entrances at end of each workday.
- G. Temporary Enclosures: Provide temporary enclosures for protection of construction, in progress and completed, from exposure, foul weather, other construction operations, and similar activities. Provide temporary weathertight enclosure for building exterior.
 - 1. Where heating or cooling is needed and permanent enclosure is incomplete, insulate temporary enclosures.
- H. Temporary Partitions: Provide floor-to-ceiling dustproof partitions to limit dust and dirt migration and to separate areas occupied by Owner and tenants from fumes and noise.
 - 1. Construct dustproof partitions with gypsum wallboard with joints taped on occupied side, and fire-retardant-treated plywood on construction operations side.
 - 2. Where fire-resistance-rated temporary partitions are indicated or are required by authorities having jurisdiction, construct partitions according to the rated assemblies.
 - 3. Provide walk-off mats at each entrance through temporary partition.
- I. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.
 - 1. Prohibit smoking in construction areas. Comply with additional limits on smoking specified in other Sections.
 - 2. Supervise welding operations, combustion-type temporary heating units, and similar sources of fire ignition according to requirements of authorities having jurisdiction.
 - 3. Develop and supervise an overall fire-prevention and -protection program for personnel at Project site. Review needs with local fire department and establish procedures to be followed. Instruct personnel in methods and procedures. Post warnings and information.
 - 4. Provide temporary standpipes and hoses for fire protection. Hang hoses with a warning sign stating that hoses are for fire-protection purposes only and are not to be removed. Match hose size with outlet size and equip with suitable nozzles.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

3.6 MOISTURE AND MOLD CONTROL

- A. Contractor's Moisture-Protection Plan: Describe delivery, handling, storage, installation, and protection provisions for materials subject to water absorption or water damage.
1. Indicate procedures for discarding water-damaged materials, protocols for mitigating water intrusion into completed Work, and replacing water-damaged Work.
 2. Indicate sequencing of work that requires water, such as sprayed fire-resistive materials, plastering, and terrazzo grinding, and describe plans for dealing with water from these operations. Show procedures for verifying that wet construction has dried sufficiently to permit installation of finish materials.
 3. Indicate methods to be used to avoid trapping water in finished work.
- B. Exposed Construction Period: Before installation of weather barriers, when materials are subject to wetting and exposure and to airborne mold spores, protect as follows:
1. Protect porous materials from water damage.
 2. Protect stored and installed material from flowing or standing water.
 3. Keep porous and organic materials from coming into prolonged contact with concrete.
 4. Remove standing water from decks.
 5. Keep deck openings covered or dammed.
- C. Partially Enclosed Construction Period: After installation of weather barriers but before full enclosure and conditioning of building, when installed materials are still subject to infiltration of moisture and ambient mold spores, protect as follows:
1. Do not load or install drywall or other porous materials or components, or items with high organic content, into partially enclosed building.
 2. Keep interior spaces reasonably clean and protected from water damage.
 3. Periodically collect and remove waste containing cellulose or other organic matter.
 4. Discard or replace water-damaged material.
 5. Do not install material that is wet.
 6. Discard and replace stored or installed material that begins to grow mold.
 7. Perform work in a sequence that allows wet materials adequate time to dry before enclosing the material in gypsum board or other interior finishes.
- D. Controlled Construction Period: After completing and sealing of the building enclosure but prior to the full operation of permanent HVAC systems, maintain as follows:
1. Control moisture and humidity inside building by maintaining effective dry-in conditions.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TEMPORARY FACILITIES AND CONTROLS
SECTION 015000

2. Use temporary or permanent HVAC system to control humidity within ranges specified for installed and stored materials.
3. Comply with manufacturer's written instructions for temperature, relative humidity, and exposure to water limits.

3.7 OPERATION, TERMINATION, AND REMOVAL

- A. Supervision: Enforce strict discipline in use of temporary facilities. To minimize waste and abuse, limit availability of temporary facilities to essential and intended uses.
- B. Maintenance: Maintain facilities in good operating condition until removal.
 1. Maintain operation of temporary enclosures, heating, cooling, humidity control, ventilation, and similar facilities on a 24-hour basis where required to achieve indicated results and to avoid possibility of damage.
- C. Temporary Facility Changeover: Do not change over from using temporary security and protection facilities to permanent facilities until Substantial Completion.
- D. Termination and Removal: Remove each temporary facility when need for its service has ended, when it has been replaced by authorized use of a permanent facility, or no later than Substantial Completion. Complete or, if necessary, restore permanent construction that may have been delayed because of interference with temporary facility. Repair damaged Work, clean exposed surfaces, and replace construction that cannot be satisfactorily repaired.
 1. Materials and facilities that constitute temporary facilities are property of Contractor. Owner reserves right to take possession of Project identification signs.
 2. At Substantial Completion, repair, renovate, and clean permanent facilities used during construction period. Comply with final cleaning requirements specified in Section 017700 "Closeout Procedures."

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

SECTION 017300 - EXECUTION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes general administrative and procedural requirements governing execution of the Work including, but not limited to, the following:
 - 1. Construction layout.
 - 2. Field engineering and surveying.
 - 3. Installation of the Work.
 - 4. Cutting and patching.
 - 5. Progress cleaning.
 - 6. Starting and adjusting.
- B. Related Requirements:
 - 1. Section 017700 "Closeout Procedures" for submitting final property survey with Project Record Documents, recording of Owner-accepted deviations from indicated lines and levels, replacing defective work, and final cleaning.

1.2 QUALITY ASSURANCE

- A. Manufacturer's Installation Instructions: Obtain and maintain on-site manufacturer's written recommendations and instructions for installation of products and equipment.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

1. Before construction, verify the location and invert elevation at points of connection of sanitary sewer, storm sewer, and water-service piping; underground electrical services; and other utilities.
2. Furnish location data for work related to Project that must be performed by public utilities serving Project site.

B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.

1. Examine roughing-in for mechanical and electrical systems to verify actual locations of connections before equipment and fixture installation.
2. Examine walls, floors, and roofs for suitable conditions where products and systems are to be installed.
3. Verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.

C. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A.** Existing Utility Information: Furnish information to local utility that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. Coordinate with authorities having jurisdiction.
- B.** Field Measurements: Take field measurements as required to fit the Work properly. Recheck measurements before installing each product. Where portions of the Work are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- C.** Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.
- D.** Review of Contract Documents and Field Conditions: Immediately on discovery of the need for clarification of the Contract Documents caused by differing field conditions outside the control of Contractor, submit a request for information to Architect according to requirements in Section 013100 "Project Management and Coordination."

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

3.3 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify Architect promptly.
- B. General: Lay out the Work using accepted surveying practices.
 - 1. Establish benchmarks and control points to set lines and levels at each story of construction and elsewhere as needed to locate each element of Project.
 - 2. Establish limits on use of Project site.
 - 3. Establish dimensions within tolerances indicated. Do not scale Drawings to obtain required dimensions.
 - 4. Inform installers of lines and levels to which they must comply.
 - 5. Check the location, level and plumb, of every major element as the Work progresses.
 - 6. Notify Architect when deviations from required lines and levels exceed allowable tolerances.
 - 7. Close site surveys with an error of closure equal to or less than the standard established by authorities having jurisdiction.
- C. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rim and invert elevations.
- D. Building Lines and Levels: Locate and lay out control lines and levels for structures, building foundations, column grids, and floor levels, including those required for mechanical and electrical work. Transfer survey markings and elevations for use with control lines and levels. Level foundations and piers from two or more locations.
- E. Record Log: Maintain a log of layout control work. Record deviations from required lines and levels. Include beginning and ending dates and times of surveys, weather conditions, name and duty of each survey party member, and types of instruments and tapes used. Make the log available for reference by Architect.

3.4 FIELD ENGINEERING

- A. Identification: Owner will identify existing benchmarks, control points, and property corners.
- B. Reference Points: Locate existing permanent benchmarks, control points, and similar reference points before beginning the Work. Preserve and protect permanent benchmarks and control points during construction operations.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

- C. Benchmarks: Establish and maintain a minimum of two permanent benchmarks on Project site, referenced to data established by survey control points. Comply with authorities having jurisdiction for type and size of benchmark.
 - 1. Record benchmark locations, with horizontal and vertical data, on Project Record Documents.
- D. Certified Survey: On completion of foundation walls, major site improvements, and other work requiring field-engineering services, prepare a certified survey showing dimensions, locations, angles, and elevations of construction and sitework.

3.5 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
 - 1. Make vertical work plumb and make horizontal work level.
 - 2. Where space is limited, install components to maximize space available for maintenance and ease of removal for replacement.
 - 3. Conceal pipes, ducts, and wiring in finished areas unless otherwise indicated.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.
- F. Tools and Equipment: Where possible, select tools or equipment that minimize production of excessive noise levels.
- G. Templates: Obtain and distribute to the parties involved templates for work specified to be factory prepared and field installed. Check Shop Drawings of other portions of the Work to confirm that adequate provisions are made for locating and installing products to comply with indicated requirements.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

- H. Attachment: Provide blocking and attachment plates and anchors and fasteners of adequate size and number to securely anchor each component in place, accurately located and aligned with other portions of the Work. Where size and type of attachments are not indicated, verify size and type required for load conditions.
 - 1. Mounting Heights: Where mounting heights are not indicated, mount components at heights directed by Architect.
 - 2. Allow for building movement, including thermal expansion and contraction.
 - 3. Coordinate installation of anchorages. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
- I. Joints: Make joints of uniform width. Where joint locations in exposed work are not indicated, arrange joints for the best visual effect. Fit exposed connections together to form hairline joints.
- J. Remove and replace damaged, defective, or non-conforming Work.

3.6 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
 - 1. Comply with requirements in NFPA 241 for removal of combustible waste materials and debris.
 - 2. Do not hold waste materials more than seven days during normal weather or three days if the temperature is expected to rise above 80 deg F.
 - 3. Containerize hazardous and unsanitary waste materials separately from other waste. Mark containers appropriately and dispose of legally, according to regulations.
 - a. Use containers intended for holding waste materials of type to be stored.
 - 4. Coordinate progress cleaning for joint-use areas where Contractor and other contractors are working concurrently.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.
 - 1. Remove liquid spills promptly.
 - 2. Where dust would impair proper execution of the Work, broom-clean or vacuum the entire work area, as appropriate.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

- D. **Installed Work:** Keep installed work clean. Clean installed surfaces according to written instructions of manufacturer or fabricator of product installed, using only cleaning materials specifically recommended. If specific cleaning materials are not recommended, use cleaning materials that are not hazardous to health or property and that will not damage exposed surfaces.
- E. **Concealed Spaces:** Remove debris from concealed spaces before enclosing the space.
- F. **Exposed Surfaces in Finished Areas:** Clean exposed surfaces and protect as necessary to ensure freedom from damage and deterioration at time of Substantial Completion.
- G. **Waste Disposal:** Do not bury or burn waste materials on-site. Do not wash waste materials down sewers or into waterways. Comply with waste disposal requirements in
- H. **During handling and installation,** clean and protect construction in progress and adjoining materials already in place. Apply protective covering where required to ensure protection from damage or deterioration at Substantial Completion.
- I. **Clean and provide maintenance on completed construction as frequently as necessary through the remainder of the construction period. Adjust and lubricate operable components to ensure operability without damaging effects.**
- J. **Limiting Exposures:** Supervise construction operations to ensure that no part of the construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during the construction period.

3.7 STARTING AND ADJUSTING

- A. **Start equipment and operating components to confirm proper operation. Remove malfunctioning units, replace with new units, and retest.**
- B. **Adjust equipment for proper operation. Adjust operating components for proper operation without binding.**
- C. **Test each piece of equipment to verify proper operation. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.**
- D. **Manufacturer's Field Service: Comply with qualification requirements in Section 014000 "Quality Requirements."**

3.8 PROTECTION OF INSTALLED CONSTRUCTION

- A. **Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.**

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

- B. Protection of Existing Items: Provide protection and ensure that existing items to remain undisturbed by construction are maintained in condition that existed at commencement of the Work.
- C. Comply with manufacturer's written instructions for temperature and relative humidity.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXECUTION
SECTION 017300

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CLOSEOUT PROCEDURES
SECTION 017700

SECTION 017700 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout, including, but not limited to, the following:
 - 1. Final completion procedures.
 - 2. Warranties.
 - 3. Final cleaning.
 - 4. Repair of the Work.
- B. Related Requirements:
 - 1. Section 017839 "Project Record Documents" for submitting Record Drawings, Record Specifications, and Record Product Data.

1.2 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Certificate of Insurance: For continuing coverage.

1.3 FINAL COMPLETION PROCEDURES

- A. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

1.4 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CLOSEOUT PROCEDURES
SECTION 017700

- B. Organize warranty documents into an orderly sequence based on the table of contents of Project Manual.
- C. Warranty Electronic File: Provide warranties and bonds in PDF format. Assemble complete warranty and bond submittal package into a single electronic PDF file with bookmarks enabling navigation to each item. Provide bookmarked table of contents at beginning of document.
 - I. Submit on digital media acceptable to Architect.
- D. Provide additional copies of each warranty to include in operation and maintenance manuals.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
 - I. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
 - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
 - b. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
 - c. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
 - d. Sweep concrete floors broom clean in unoccupied spaces.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CLOSEOUT PROCEDURES
SECTION 017700

- e. Vacuum carpet and similar soft surfaces, removing debris and excess nap, clean according to manufacturer's recommendations if visible soil or stains remain.
 - f. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
 - g. Replace disposable air filters and clean permanent air filters. Clean exposed surfaces of diffusers, registers, and grills.
 - h. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
 - i. Leave Project clean and ready for occupancy.
- C. Pest Control: Comply with pest control requirements in Section 015000 "Temporary Facilities and Controls." Prepare written report.
- D. Construction Waste Disposal: Comply with waste disposal requirements in Section 015000 "Temporary Facilities and Controls."

3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations, before requesting inspection for determination of Substantial Completion.
- B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CLOSEOUT PROCEDURES
SECTION 017700

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT RECORD DOCUMENTS
SECTION 017839

SECTION 017839 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents, including the following:

1. Record Drawings.

1.2 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.

1. Preparation: Mark record prints to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
 - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Accurately record information in an acceptable drawing technique.
 - c. Record data as soon as possible after obtaining it.
 - d. Record and check the markup before enclosing concealed installations.
 - e. Cross-reference record prints to corresponding photographic documentation.
2. Content: Types of items requiring marking include, but are not limited to, the following:
 - a. Dimensional changes to Drawings.
 - b. Revisions to details shown on Drawings.
 - c. Depths of foundations.
 - d. Locations and depths of underground utilities.
 - e. Revisions to routing of piping and conduits.
 - f. Revisions to electrical circuitry.
 - g. Actual equipment locations.
 - h. Locations of concealed internal utilities.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

PROJECT RECORD DOCUMENTS
SECTION 017839

- i. Changes made by Change Order or Change Directive.
 - j. Changes made following Architect's written orders.
 - k. Details not on the original Contract Drawings.
 - l. Field records for variable and concealed conditions.
 - m. Record information on the Work that is shown only schematically.
3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
 4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
 5. Mark important additional information that was either shown schematically or omitted from original Drawings.
 6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

1.3 MAINTENANCE OF RECORD DOCUMENTS

- A. Maintenance of Record Documents: Store record documents in the field office apart from the Contract Documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for Architect's reference during normal working hours.

PART 2 - PRODUCTS

PART 3 - EXECUTION

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000

SECTION 033000 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes.

1.2 FIELD CONDITIONS

- A. Cold-Weather Placement: Comply with ACI 306.1.
 - 1. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in mixture designs.
- B. Hot-Weather Placement: Comply with ACI 301 and ACI 305.1.

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

- A. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:
 - 1. ACI 301.
 - 2. ACI 117.

2.2 STEEL REINFORCEMENT

- A. Plain-Steel Welded-Wire Reinforcement: ASTM A 1064/A 1064M, plain, fabricated from as-drawn steel wire into flat sheets.

2.3 CONCRETE MATERIALS

- A. Normal-Weight Aggregates: ASTM C 33/C 33M, graded.
- B. Water: ASTM C 94/C 94M and potable.

CAST-IN-PLACE CONCRETE - SECTION 033000-1

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000

2.4 CONCRETE MIXTURES, GENERAL

- A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301 (ACI 301M).

2.5 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M, and furnish batch ticket information.
- B. When air temperature is between 85 and 90 deg F (30 and 32 deg C), reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 EMBEDDED ITEM INSTALLATION

- A Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete.

3.2 JOINTS

- A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.
- B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Architect.
- C. Contraction Joints in Slabs-on-Grade: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of concrete thickness as follows:
 - 1. Grooved Joints: Form contraction joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8 inch. Repeat grooving of contraction joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.
 - 2. Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch- wide joints into concrete when cutting action does not tear, abrade, or otherwise damage surface and before concrete develops random contraction cracks.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000

3.3 CONCRETE PLACEMENT

- A. Before placing concrete, verify that installation of formwork, reinforcement, and embedded items is complete and that required inspections are completed.
- B. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete is placed on concrete that has hardened enough to cause seams or planes of weakness. If a section cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.
 - 1. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.

3.4 FINISHING FORMED SURFACES

- A. Rubbed Finish: Apply the following to smooth-formed-finished as-cast concrete where indicated:
 - 1. Smooth-Rubbed Finish: Not later than one day after form removal, moisten concrete surfaces and rub with carborundum brick or another abrasive until producing a uniform color and texture. Do not apply cement grout other than that created by the rubbing process.
 - 2. Grout-Cleaned Finish: Wet concrete surfaces and apply grout of a consistency of thick paint to coat surfaces and fill small holes. Mix 1 part portland cement to 1-1/2 parts fine sand with a 1:1 mixture of bonding admixture and water. Add white portland cement in amounts determined by trial patches, so color of dry grout matches adjacent surfaces. Scrub grout into voids and remove excess grout. When grout whitens, rub surface with clean burlap and keep surface damp by fog spray for at least 36 hours.
 - 3. Cork-Floated Finish: Wet concrete surfaces and apply a stiff grout. Mix 1 part portland cement and 1 part fine sand with a 1:1 mixture of bonding agent and water. Add white portland cement in amounts determined by trial patches, so color of dry grout matches adjacent surfaces. Compress grout into voids by grinding surface. In a swirling motion, finish surface with a cork float.
- B. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a texture matching adjacent formed surfaces. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.

3.5 FINISHING FLOORS AND SLABS

- A. General: Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000

- B. Float Finish: Consolidate surface with power-driven floats or by hand floating if area is small or inaccessible to power-driven floats. Restraighten, cut down high spots, and fill low spots. Repeat float passes and restraightening until surface is left with a uniform, smooth, granular texture.
- C. Trowel Finish: After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel. Continue troweling passes and restraighten until surface is free of trowel marks and uniform in texture and appearance. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
- D. Broom Finish: Apply a broom finish to exterior concrete platforms, steps, ramps, and elsewhere as indicated.
 - 1. Immediately after float finishing, slightly roughen trafficked surface by brooming with fiber-bristle broom perpendicular to main traffic route. Coordinate required final finish with Architect before application.

3.6 CONCRETE PROTECTING AND CURING

- A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 305.1 for hot weather protection during curing.
- B. Formed Surfaces: Cure formed concrete surfaces, including underside of beams, supported slabs, and other similar surfaces. If forms remain during curing period, moist cure after loosening forms. If removing forms before end of curing period, continue curing for remainder of curing period.
- C. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
 - 1. Moisture Curing: Keep surfaces continuously moist for not less than seven days.
 - 2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period, using cover material and waterproof tape.
 - 3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000

- a. Removal: After curing period has elapsed, remove curing compound without damaging concrete surfaces by method recommended by curing compound manufacturer.
4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.7 CONCRETE SURFACE REPAIRS

- A. Defective Concrete: Repair and patch defective areas when approved by Architect. Remove and replace concrete that cannot be repaired and patched to Architect's approval.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CAST-IN-PLACE CONCRETE
SECTION 033000



This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

SECTION 042200 - CONCRETE UNIT MASONRY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Concrete masonry units.
2. Decorative concrete masonry units.
3. Pre-faced concrete masonry units.

1.2 DEFINITIONS

- A. CMU(s): Concrete masonry unit(s).
- B. Reinforced Masonry: Masonry containing reinforcing steel in grouted cells.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type and color of the following:
 1. Decorative CMUs.
 2. Pre-faced CMUs.
 3. mortar.

1.4 FIELD CONDITIONS

- A. Cold-Weather Requirements: Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen substrates. Remove and replace unit masonry damaged by frost or by freezing conditions. Comply with cold-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.
- B. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in TMS 602/ACI 530.1/ASCE 6.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

PART 2 - PRODUCTS

2.1 UNIT MASONRY, GENERAL

- A. Masonry Standard: Comply with TMS 602/ACI 530.1/ASCE 6, except as modified by requirements in the Contract Documents.
- B. Defective Units: Referenced masonry unit standards may allow a certain percentage of units to contain chips, cracks, or other defects exceeding limits stated. Do not use units where such defects are exposed in the completed Work.
- C. Fire-Resistance Ratings: Comply with requirements for fire-resistance-rated assembly designs indicated.
 - 1. Where fire-resistance-rated construction is indicated, units shall be listed and labeled by a qualified testing agency acceptable to authorities having jurisdiction.

2.2 CONCRETE MASONRY UNITS

- A. Shapes: Provide shapes indicated and as follows, with exposed surfaces matching exposed faces of adjacent units unless otherwise indicated.
 - 1. Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions.
- B. CMUs: ASTM C90.
- C. Decorative CMUs: ASTM C90.
 - 1. Products: Subject to compliance with requirements.
 - 2. Pattern and Texture:
 - a. Standard pattern, split-face or equivalent finish.
- D. Pre-faced CMUs: Lightweight concrete units complying with ASTM C90, with manufacturer's standard smooth resinous facing complying with ASTM C744.
 - 1. Products: Subject to compliance with requirements.
 - 2. Size: Manufactured with pre-faced surfaces having 1/16-inch- wide returns of facing to create 1/4-inch- wide mortar joints.
 - 3. Colors and Patterns: As selected by Architect from manufacturer's full range.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to fit adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.

3.2 TOLERANCES

A. Dimensions and Locations of Elements:

1. For dimensions in cross section or elevation, do not vary by more than plus 1/2 inch or minus 1/4 inch.
2. For location of elements in plan, do not vary from that indicated by more than plus or minus 1/2 inch.
3. For location of elements in elevation, do not vary from that indicated by more than plus or minus 1/4 inch in a story height or 1/2 inch total.

B. Lines and Levels:

1. For bed joints and top surfaces of bearing walls, do not vary from level by more than 1/4 inch in 10 feet, or 1/2-inch maximum.
2. For conspicuous horizontal lines, such as lintels, sills, parapets, and reveals, do not vary from level by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2-inch maximum.
3. For vertical lines and surfaces, do not vary from plumb by more than 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2-inch maximum.
4. For conspicuous vertical lines, such as external corners, door jambs, reveals, and expansion and control joints, do not vary from plumb by more than 1/8 inch in 10 feet, 1/4 inch in 20 feet, or 1/2-inch maximum.
5. For lines and surfaces, do not vary from straight by more than 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2-inch maximum.

C. Joints:

1. For bed joints, do not vary from thickness indicated by more than plus or minus 1/8 inch, with a maximum thickness limited to 1/2 inch.
2. For head and collar joints, do not vary from thickness indicated by more than plus 3/8 inch or minus 1/4 inch.
3. For exposed head joints, do not vary from thickness indicated by more than plus or minus 1/8 inch.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

3.3 LAYING MASONRY WALLS

- A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thicknesses and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations.
- B. Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in running bond; do not use units with less-than-nominal 4-inch horizontal face dimensions at corners or jambs.
- C. Built-in Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in items.
- D. Fill space between steel frames and masonry solidly with mortar unless otherwise indicated.
- E. Where built-in items are to be embedded in cores of hollow masonry units, place a layer of metal lath, wire mesh, or plastic mesh in the joint below, and rod mortar or grout into core.
- F. Fill cores in hollow CMUs with grout 24 inches under bearing plates, beams, lintels, posts, and similar items unless otherwise indicated.

3.4 MORTAR BEDDING AND JOINTING

- A. Lay hollow CMUs as follows:
 - 1. Bed face shells in mortar and make head joints of depth equal to bed joints.
 - 2. Bed webs in mortar in all courses of piers, columns, and pilasters.
 - 3. Bed webs in mortar in grouted masonry, including starting course on footings.
 - 4. Fully bed entire units, including areas under cells, at starting course on footings where cells are not grouted.
- B. Lay solid CMUs with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints.
- C. Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated.
- D. Cut joints flush for masonry walls to receive plaster or other direct-applied finishes (other than paint) unless otherwise indicated.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

3.5 MASONRY-JOINT REINFORCEMENT

- A. General: Install entire length of longitudinal side rods in mortar with a minimum cover of 5/8 inch on exterior side of walls, 1/2 inch elsewhere. Lap reinforcement a minimum of 6 inches.
 - 1. Space reinforcement not more than 16 inches o.c.
 - 2. Space reinforcement not more than 8 inches o.c. in foundation walls and parapet walls.
 - 3. Provide reinforcement not more than 8 inches above and below wall openings and extending 12 inches beyond openings in addition to continuous reinforcement.
- B. Interrupt joint reinforcement at control and expansion joints unless otherwise indicated.
- C. Provide continuity at wall intersections by using prefabricated T-shaped units.
- D. Provide continuity at corners by using prefabricated L-shaped units.

3.6 ANCHORING MASONRY TO STRUCTURAL STEEL AND CONCRETE

- A. Anchor masonry to structural steel and concrete, where masonry abuts or faces structural steel or concrete, to comply with the following:
 - 1. Provide an open space not less than [1/2 inch] [1 inch] [2 inches] wide between masonry and structural steel or concrete unless otherwise indicated. Keep open space free of mortar and other rigid materials.
 - 2. Anchor masonry with anchors embedded in masonry joints and attached to structure.
 - 3. Space anchors as indicated, but not more than 24 inches o.c. vertically and 36 inches o.c. horizontally.

3.7 FLASHING

- A. General: Install embedded flashing at ledges and other obstructions to downward flow of water in wall where indicated.
- B. Install flashing as follows unless otherwise indicated:
 - 1. Prepare masonry surfaces so they are smooth and free from projections that could puncture flashing. Where flashing is within mortar joint, place through-wall flashing on sloping bed of mortar and cover with mortar. Before covering with mortar, seal penetrations in flashing with adhesive, sealant, or tape as recommended by flashing manufacturer.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

2. At lintels, extend flashing a minimum of 6 inches into masonry at each end. At heads and sills, extend flashing 6 inches at ends and turn up not less than 2 inches to form end dams.
 3. Install metal drip edges beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall, and adhere flexible flashing to top of metal drip edge.
 4. Install metal flashing termination beneath flexible flashing at exterior face of wall. Stop flexible flashing 1/2 inch back from outside face of wall, and adhere flexible flashing to top of metal flashing termination.
- C. Install single-wythe CMU flashing system in bed joints of CMU walls where indicated to comply with manufacturer's written instructions. Install CMU cell pans with upturned edges located below face shells and webs of CMUs above and with weep spouts aligned with face of wall. Install CMU web covers so that they cover upturned edges of CMU cell pans at CMU webs and extend from face shell to face shell.

3.8 REINFORCED UNIT MASONRY INSTALLATION

- A. Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.
1. Construct formwork to provide shape, line, and dimensions of completed masonry as indicated. Make forms sufficiently tight to prevent leakage of mortar and grout. Brace, tie, and support forms to maintain position and shape during construction and curing of reinforced masonry.
 2. Do not remove forms and shores until reinforced masonry members have hardened sufficiently to carry their own weight and that of other loads that may be placed on them during construction.
- B. Placing Reinforcement: Comply with requirements in TMS 602/ACI 530.1/ASCE 6.
- C. Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure.
1. Comply with requirements in TMS 602/ACI 530.1/ASCE 6 for cleanouts and for grout placement, including minimum grout space and maximum pour height.
 2. Limit height of vertical grout pours to not more than 60 inches.

3.9 PARGING

- A. Parge exterior faces of below-grade masonry walls, where indicated, in two uniform coats to a total thickness of 3/4 inch. Dampen wall before applying first coat, and scarify first coat to ensure full bond to subsequent coat.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

- B. Use a steel-trowel finish to produce a smooth, flat, dense surface with a maximum surface variation of 1/8 inch per foot. Form a wash at top of parging and a cove at bottom.
- C. Damp-cure parging for at least 24 hours and protect parging until cured.

3.10 REPAIRING, POINTING, AND CLEANING

- A. In-Progress Cleaning: Clean unit masonry as work progresses by dry brushing to remove mortar fins and smears before tooling joints.
- B. Final Cleaning: After mortar is thoroughly set and cured, clean exposed masonry as follows:
 - 1. Test cleaning methods on sample wall panel; leave one-half of panel uncleaned for comparison purposes.
 - 2. Clean concrete masonry by applicable cleaning methods indicated in NCMA TEK 8-4A.

3.11 MASONRY WASTE DISPOSAL

- A. Waste Disposal as Fill Material: Dispose of clean masonry waste, including excess or soil-contaminated sand, waste mortar, and broken masonry units, by crushing and mixing with fill material as fill is placed.
 - 1. Do not dispose of masonry waste as fill within 18 inches of finished grade.
- B. Masonry Waste Recycling: Return broken CMUs not used as fill to manufacturer for recycling.
- C. Excess Masonry Waste: Remove excess clean masonry waste that cannot be used as fill, as described above or recycled, and other masonry waste, and legally dispose of off Owner's property.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CONCRETE UNIT MASONRY
SECTION 042200

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

SECTION 075113 - BUILT-UP ASPHALT ROOFING

PART 1 - GENERAL

1.1 INFORMATIONAL SUBMITTALS

A. Manufacturer Certificates:

1. Performance Requirement Certificate: Signed by roof membrane manufacturer, certifying that roofing system complies with requirements specified in "Performance Requirements" Article.
 - a. Submit evidence of compliance with performance requirements.
2. Special Warranty Certificate: Signed by roof membrane manufacturer, certifying that all materials supplied under this Section are acceptable for special warranty.

B. Product Test Reports: For roof insulation, tests performed by a qualified testing agency, indicating compliance with specified requirements.

1.2 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

1.3 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Accelerated Weathering: Roof membrane shall withstand 2000 hours of exposure when tested according to ASTM G 152, ASTM G 154, or ASTM G 155.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

- B. Impact Resistance: Roof membrane shall resist impact damage when tested according to ASTM D 3746/C 3746M, ASTM D 4272/D 4272M, or the "Resistance to Foot Traffic Test" in FM Approvals 4470.
- C. Wind Uplift Resistance: Design roofing system to resist the following wind-uplift pressures when tested according to FM Approvals 4474, UL 580, or UL 1897:

2.2 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. GAF.
 - 2. Johns Manville; a Berkshire Hathaway company.
 - 3. Tamko Building Products, Inc.

2.3 ROOFING MEMBRANE SHEET MATERIALS

- A. Base Sheet: ASTM D 6163/D 6163, SBS-modified asphalt-impregnated and -coated sheet, with glass-fiber-reinforcing mat, dusted with fine mineral surfacing on both sides.
- B. Ply Sheet: ASTM D 2178/D 2178M, , asphalt-impregnated, glass-fiber felt.
- C. Cap Sheet: ASTM D 3909/D 3909M, asphalt-impregnated and -coated, glass-fiber cap sheet, with white coarse mineral-granule top surfacing and fine mineral surfacing on bottom surface.

2.4 BASE FLASHING SHEET MATERIALS

- A. Backer Sheet: ASTM D 2178/D 2178M, asphalt-impregnated, glass-fiber felt.
- B. Granule-Surfaced Flashing Sheet: , granule-surfaced; suitable for application method specified.

2.5 ASPHALT MATERIALS

- A. Roofing Asphalt: ASTM D 312/D 312M, .

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

2.6 AUXILIARY ROOFING MATERIALS

- A. General: Auxiliary materials recommended by roofing manufacturer for intended use and compatible with other roofing components.
 - 1. Adhesive and Sealants: Comply with VOC limits of authorities having jurisdiction.
- B. Aggregate Surfacing: ASTM D 1863/D 1863M, No. 6 or No. 67, clean, dry, opaque, water-worn gravel or crushed stone, free of sharp edges.
- C. Miscellaneous Accessories: Provide those recommended by roofing system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.

3.2 ROOFING INSTALLATION, GENERAL

- A. Install roofing system according to manufacturer's written instructions, FM Approvals' RoofNav assembly requirements, and FM Global Property Loss Prevention Data Sheet 1-29.
- B. Complete terminations and base flashings, and provide temporary seals to prevent water from entering completed sections of roofing system at the end of the workday or when rain is forecast.
- C. Install roof membrane and auxiliary materials to tie in to existing roofing to maintain weathertightness of transition.

3.3 BUILT-UP ROOFING MEMBRANE INSTALLATION

- A. Install roofing according to roofing manufacturer's written instructions and applicable recommendations of ARMA/NRCA's "Quality Control Guidelines for the Application of Built-up Roofing".

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

- B. Coordinate installation of roofing, so insulation and other components of roofing system not permanently exposed are not subjected to precipitation or left uncovered at the end of the workday or when rain is forecast.
 - 1. Provide tie-offs at end of each day's work to cover exposed roofing membrane sheets and insulation with a course of coated felt set in roofing cement or hot roofing asphalt, with joints and edges sealed.
 - 2. Complete terminations and base flashings, and provide temporary seals to prevent water from entering completed sections of roofing system.
 - 3. Remove and discard temporary seals before beginning work on adjoining roofing.

- C. Install lapped base sheet course, extending sheet over and terminating beyond cants. Attach base sheet as follows:
 - 1. Mechanically fasten to substrate.
 - 2. Spot or strip mop to substrate with hot roofing asphalt.
 - 3. Adhere to substrate.

- D. Install ply sheets, starting at low point of roof.
 - 1. Align ply sheets without stretching.
 - 2. Shingle side laps of ply sheets uniformly to achieve required number of plies throughout thickness of roofing membrane.
 - a. Shingle in direction to shed water.
 - 3. Extend ply sheets over and terminate above cants.
 - 4. Embed each ply sheet in a solid mopping of hot roofing asphalt applied at rate required by roofing manufacturer, to form a uniform membrane without ply sheets touching.
 - 5. Embed each ply sheet in cold-applied asphalt adhesive applied at a rate required by roofing manufacturer, to form a uniform membrane without ply sheets touching.
 - 6. Install ply sheets without wrinkles, tears, and free from air pockets.

- E. Cap Sheet: Install lapped granulated cap sheet, starting at low point of roofing.
 - 1. Offset laps from laps of preceding ply sheets, and align cap sheet without stretching.
 - 2. Lap in direction to shed water.
 - 3. Extend cap sheet over and terminate above cants.
 - 4. Embed cap sheet in a solid mopping of hot roofing asphalt applied at rate required by roofing system manufacturer.
 - 5. Embed each ply sheet in cold-applied asphalt adhesive applied at a rate required by roofing system manufacturer.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

6. Install cap sheet without wrinkles, tears, and free from air pockets.
- F. Aggregate Surfacing: After installing and testing roofing, base flashing, and stripping, promptly apply flood coat to roof surface with 60 lb/100 sq. ft. of hot roofing asphalt. While flood coat is hot and fluid, cast the following average weight of aggregate in a uniform course:
 1. Aggregate Weight: 400 lb/100 sq. ft..
 2. If aggregate surfacing is delayed, promptly apply glaze coat of hot roofing asphalt at a rate of 10 lb/100 sq. ft..
- G. Aggregate Surfacing: After installing and testing roofing, base flashing, and stripping, promptly apply flood coat to roof surface with cold-applied polymer-modified asphalt adhesive at a rate recommended by roof system manufacturer. Cast the following average weight of aggregate in a uniform course:
 1. Aggregate Weight: 400 lb/100 sq. ft..
- H. Glaze coat roofing surface with hot roofing asphalt applied at a rate of 10 to 15 lb/100 sq. ft..

3.4 FLASHING AND STRIPPING INSTALLATION

- A. Install base flashing over cant strips and other sloping and vertical surfaces, at roof edges, and at penetrations through roof; secure to substrates according to roofing system manufacturer's written instructions and as follows:
 1. Backer Sheet Application: Mechanically fasten backer sheet to walls or parapets. Adhere backer sheet over roofing membrane at cants in .
 2. Backer Sheet Application: Adhere backer sheet to substrate in .
 3. Flashing Sheet Application: Adhere flashing sheet to substrate in a solid mopping of hot roofing asphalt applied at not less than 425 deg F. Apply hot roofing asphalt to back of flashing sheet if recommended by roofing manufacturer.
 4. Flashing Sheet Application: Adhere flashing sheet to substrate in cold-applied adhesive at rate required by roofing manufacturer.
 5. Flashing Sheet Application: Adhere flashing sheet to substrate in asphalt roofing cement at rate required by roofing manufacturer.
 6. Flashing Sheet Application: Torch apply flashing sheet to substrate.
- B. Extend base flashing up walls or parapets a minimum of 8 inches above built-up roofing and 4 inches onto field of roofing membrane.
- C. Mechanically fasten top of base flashing securely at terminations and perimeter of roofing.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

BUILT-UP ASPHALT ROOFING
SECTION 075113

1. Seal top termination of base flashing

3.5 PROTECTING AND CLEANING

- A. Protect roofing system from damage and wear during remainder of construction period.
 1. When remaining construction does not affect or endanger roofing, inspect roofing system for deterioration and damage, describing its nature and extent in a written report, with copies to Architect and Owner.
- B. Correct deficiencies in or remove roofing components that do not comply with requirements, repair substrates, and repair or reinstall roofing to a condition free of damage and deterioration at time of Substantial Completion and according to warranty requirements.
- C. Clean overspray and spillage from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

SECTION 076200 - SHEET METAL FLASHING AND TRIM

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
1. Formed low-slope roof sheet metal fabrications.
 2. Formed wall sheet metal fabrications.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. General: Sheet metal flashing and trim assemblies, including cleats, anchors, and fasteners, shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
- B. Sheet Metal Standard for Flashing and Trim: Comply with SMACNA's "Architectural Sheet Metal Manual" requirements for dimensions and profiles shown unless more stringent requirements are indicated.
- C. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes to prevent buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

2.2 FABRICATION, GENERAL

- A. Custom fabricate sheet metal flashing and trim to comply with details indicated and recommendations in cited sheet metal standard that apply to design, dimensions, geometry, metal thickness, and other characteristics of item required.
1. Fabricate sheet metal flashing and trim in shop to greatest extent possible.
 2. Form sheet metal flashing and trim to fit substrates without excessive oil-canning, buckling, and tool marks; true to line, levels, and slopes; and with exposed edges folded back to form hems.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

3. Conceal fasteners and expansion provisions where possible. Do not use exposed fasteners on faces exposed to view.

B. Fabrication Tolerances:

1. Fabricate sheet metal flashing and trim that is capable of installation to a tolerance of 1/4 inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

C. Expansion Provisions: Form metal for thermal expansion of exposed flashing and trim.

1. Form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with butyl sealant concealed within joints.

D. Sealant Joints: Where movable, nonexpansion-type joints are required, form metal in accordance with cited sheet metal standard to provide for proper installation of elastomeric sealant.

E. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal.

F. Seams:

1. Fabricate nonmoving seams with flat-lock seams. Form seams and seal with elastomeric sealant unless otherwise recommended by sealant manufacturer for intended use. Rivet joints where necessary for strength.

2.3 LOW-SLOPE ROOF SHEET METAL FABRICATIONS

- A. Roof Edge Flashing (Gravel Stop) and Fascia Cap: Fabricate in minimum 96-inch-long, but not exceeding 12-foot-long sections. Furnish with 6-inch-wide, joint cover plates. Shop fabricate interior and exterior corners.

PART 3 - EXECUTION

3.1 INSTALLATION OF UNDERLAYMENT

- A. Install slip sheet, wrinkle free, before installing sheet metal flashing and trim.
 1. Install in shingle fashion to shed water.
 2. Lap joints not less than 4 inches.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

3.2 INSTALLATION, GENERAL.

- A. Install sheet metal flashing and trim to comply with details indicated and recommendations of cited sheet metal standard that apply to installation characteristics required unless otherwise indicated on Drawings.
1. Install fasteners, protective coatings, separators, sealants, and other miscellaneous items as required to complete sheet metal flashing and trim system.
 2. Install sheet metal flashing and trim true to line, levels, and slopes. Provide uniform, neat seams with minimum exposure of sealant.
 3. Anchor sheet metal flashing and trim and other components of the Work securely in place, with provisions for thermal and structural movement.
 4. Install sheet metal flashing and trim to fit substrates and to result in watertight performance.
 5. Install continuous cleats with fasteners spaced not more than 12 inches o.c.
 6. Space individual cleats not more than 12 inches apart. Attach each cleat with at least two fasteners. Bend tabs over fasteners.
 7. Install exposed sheet metal flashing and trim with limited oil-canning, and free of buckling and tool marks.
 8. Do not field cut sheet metal flashing and trim by torch.
- B. Metal Protection: Where dissimilar metals contact each other, or where metal contacts pressure-treated wood or other corrosive substrates, protect against galvanic action or corrosion by painting contact surfaces with bituminous coating or by other permanent separation as recommended by sheet metal manufacturer or cited sheet metal standard.
1. Coat concealed side of sheet metal flashing and trim with bituminous coating where flashing and trim contact wood, ferrous metal, or cementitious construction.
 2. Underlayment: Where installing sheet metal flashing and trim directly on cementitious or wood substrates, install underlayment and cover with slip sheet.
- C. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim.
1. Space movement joints at maximum of 10 feet with no joints within 24 inches of corner or intersection.
 2. Form expansion joints of intermeshing hooked flanges, not less than 1 inch deep, filled with sealant concealed within joints.
 3. Use lapped expansion joints only where indicated on Drawings.
- D. Conceal fasteners and expansion provisions where possible in exposed work and locate to minimize possibility of leakage. Cover and seal fasteners and anchors as required for a tight installation.
- E. Seal joints as required for watertight construction.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

1. Use sealant-filled joints unless otherwise indicated.
 - a. Embed hooked flanges of joint members not less than 1 inch into sealant.
 - b. Form joints to completely conceal sealant.
 - c. When ambient temperature at time of installation is between 40 and 70 deg F, set joint members for 50 percent movement each way.
 - d. Adjust setting proportionately for installation at higher ambient temperatures.
 - 1) Do not install sealant-type joints at temperatures below 40 deg F.
2. Prepare joints and apply sealants to comply with requirements in Section 079200 "Joint Sealants."

F. Rivets: Rivet joints in where necessary for strength.

3.3 INSTALLATION OF ROOF FLASHINGS

- A. Install sheet metal flashing and trim to comply with performance requirements and cited sheet metal standard.
 1. Provide concealed fasteners where possible, and set units true to line, levels, and slopes.
 2. Install work with laps, joints, and seams that are permanently watertight and weather resistant.
- B. Roof Edge Flashing:
 1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.
 2. Anchor to resist uplift and outward forces in accordance with recommendations in cited sheet metal standard unless otherwise indicated. Interlock bottom edge of roof edge flashing with continuous cleat anchored to substrate at **staggered** 3-inch centers.
 3. Anchor to resist uplift and outward forces in accordance with recommendations in FM Global Property Loss Prevention Data Sheet 1-49 for FM Approvals' listing for required windstorm classification.
- C. Copings:
 1. Install roof edge flashings in accordance with ANSI/SPRI/FM 4435/ES-1.
 2. Anchor to resist uplift and outward forces in accordance with recommendations in cited sheet metal standard unless otherwise indicated.
 - a. Interlock exterior bottom edge of coping with continuous cleat anchored to substrate at 16-inch centers.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

- b. Anchor interior leg of coping with washers and screw fasteners through slotted holes at 24-inch centers.
3. Anchor to resist uplift and outward forces in accordance with recommendations in FM Global Property Loss Prevention Data Sheet 1-49 for specified FM Approvals' listing for required windstorm classification.
- D. Counterflashing: Coordinate installation of counterflashing with installation of base flashing.
 1. Insert counterflashing in reglets or receivers and fit tightly to base flashing.
 2. Extend counterflashing 4 inches over base flashing.
 3. Lap counterflashing joints minimum of 4 inches.

3.4 INSTALLATION OF WALL FLASHINGS

- A. Install sheet metal wall flashing to intercept and exclude penetrating moisture in accordance with cited sheet metal standard unless otherwise indicated. Coordinate installation of wall flashing with installation of wall-opening components such as windows, doors, and louvers.

3.5 INSTALLATION TOLERANCES

- A. Installation Tolerances: Shim and align sheet metal flashing and trim within installed tolerance of 1/4 inch in 20 feet on slope and location lines indicated on Drawings and within 1/8-inch offset of adjoining faces and of alignment of matching profiles.

3.6 CLEANING

- A. Clean exposed metal surfaces of substances that interfere with uniform oxidation and weathering.
- B. Clean and neutralize flux materials. Clean off excess solder.
- C. Clean off excess sealants.

3.7 PROTECTION

- A. Remove temporary protective coverings and strippable films as sheet metal flashing and trim are installed unless otherwise indicated in manufacturer's written installation instructions.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

SHEET METAL FLASHING AND TRIM
SECTION 076200

- B. Replace sheet metal flashing and trim that have been damaged or that have deteriorated beyond successful repair by finish touchup or similar minor repair procedures, as determined by Architect.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

SECTION 079200 - JOINT SEALANTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Silicone joint sealants.
 - 2. Nonstaining silicone joint sealants.
 - 3. Urethane joint sealants.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each joint-sealant product.
- B. Samples: For each kind and color of joint sealant required.
- C. Joint-Sealant Schedule: Include the following information:
 - 1. Joint-sealant application, joint location, and designation.
 - 2. Joint-sealant manufacturer and product name.
 - 3. Joint-sealant formulation.
 - 4. Joint-sealant color.

1.4 QUALITY ASSURANCE

- A. Testing Agency Qualifications: Qualified according to ASTM C 1021 to conduct the testing indicated.

1.5 WARRANTY

- A. Special Installer's Warranty: Installer agrees to repair or replace joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.

JOINT SEALANTS - SECTION 079200-1

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

1. Warranty Period: Two years from date of Substantial Completion.
- B. Special Manufacturer's Warranty: Manufacturer agrees to furnish joint sealants to repair or replace those joint sealants that do not comply with performance and other requirements specified in this Section within specified warranty period.
 1. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 JOINT SEALANTS, GENERAL

- A. Low-Emitting Interior Sealants: Sealants and sealant primers shall comply with the testing and product requirements of the California Department of Health's (formerly, the California Department of Health Services') "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- B. Colors of Exposed Joint Sealants: As selected by Architect from manufacturer's full range.

2.2 SILICONE JOINT SEALANTS

- A. Silicone, S, NS, 100/50, NT: Single-component, nonsag, plus 100 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 100/50, Use NT.
 1. Products: Subject to compliance with requirements, provide one of the following available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. GE Construction Sealants; SCS2700 SilPruf LM .
 - b. Sika Corporation U.S.; .
- B. Silicone, S, NS, 50, NT: Single-component, nonsag, plus 50 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 50, Use NT.
 1. Products: Subject to compliance with requirements, provide one of the following available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Dow Corning Corporation; 791.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

- b. GE Construction Sealants; Momentive Performance Materials Inc; SCS2000 SilPruf.
- c. Pecora Corporation; PCS.

2.3 NONSTAINING SILICONE JOINT SEALANTS

- A. Nonstaining Joint Sealants: No staining of substrates when tested according to ASTM C 1248.
- B. Silicone, Nonstaining, S, NS, 100/50, NT: Nonstaining, single-component, nonsag, plus 100 percent and minus 50 percent movement capability, nontraffic-use, neutral-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 100/50. Use NT.
 - 1. Products: Subject to compliance with requirements, provide one of the following available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. May National Associates, Inc., a subsidiary of Sika Corporation U.S.;
 - b. Pecora Corporation;
 - c. Tremco Incorporated; Spectrem 1.

2.4 URETHANE JOINT SEALANTS

- A. Urethane, S, NS, 100/50, T, NT: Single-component, nonsag, plus 100 percent and minus 50 percent movement capability, traffic- and nontraffic-use, urethane joint sealant; ASTM C 920, Type S, Grade NS, Class 100/50. Uses T and NT.

2.5 JOINT-SEALANT BACKING

- A. Cylindrical Sealant Backings: ASTM C 1330, Type C (closed-cell material with a surface skin), Type O (open-cell material), Type B (bicellular material with a surface skin), or any of the preceding types, as approved in writing by joint-sealant manufacturer for joint application indicated, and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance.
 - 1. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following];
 - 2. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

- a. BASF Construction Chemicals - Building Systems.
 - b. Construction Foam Products, a division of Nomaco, Inc.
- B. Bond-Breaker Tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer.

2.6 MISCELLANEOUS MATERIALS

- A. Primer: Material recommended by joint-sealant manufacturer where required for adhesion of sealant to joint substrates indicated, as determined from preconstruction joint-sealant-substrate tests and field tests.
- B. Cleaners for Nonporous Surfaces: Chemical cleaners acceptable to manufacturers of sealants and sealant backing materials.
- C. Masking Tape: Nonstaining, nonabsorbent material compatible with joint sealants and surfaces adjacent to joints.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Surface Cleaning of Joints: Clean out joints immediately before installing joint sealants to comply with joint-sealant manufacturer's written instructions and the following requirements:
 - 1. Remove laitance and form-release agents from concrete.
 - 2. Clean nonporous joint substrate surfaces with chemical cleaners or other means that do not stain, harm substrates, or leave residues capable of interfering with adhesion.
- B. Joint Priming: Prime joint substrates where recommended by joint-sealant manufacturer or as indicated by preconstruction joint-sealant-substrate tests or prior experience.
- C. Masking Tape: Use masking tape where required to prevent contact of sealant or primer with adjoining surfaces.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

3.2 INSTALLATION OF JOINT SEALANTS

- A. General: Comply with ASTM C 1193 and joint-sealant manufacturer's written installation instructions for products and applications indicated, unless more stringent requirements apply.
- B. Install sealant backings of kind indicated to support sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
- C. Install bond-breaker tape behind sealants where sealant backings are not used between sealants and backs of joints.
- D. Install sealants using proven techniques that comply with the following and at the same time backings are installed:
 - 1. Place sealants so they directly contact and fully wet joint substrates.
 - 2. Completely fill recesses in each joint configuration.
 - 3. Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.
- E. Tooling of Nonsag Sealants: Immediately after sealant application and before skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated. Use tooling agents that are approved in writing by sealant manufacturer and that do not discolor sealants or adjacent surfaces.
 - 1. Provide concave joint profile per Figure 8A in ASTM C 1193 unless otherwise indicated.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

JOINT SEALANTS
SECTION 079200

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

SECTION 081113 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 COORDINATION

- A. Coordinate anchorage installation for hollow-metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, core descriptions, and finishes.
- B. Shop Drawings: Include the following:
 - 1.
 - 2. Details of doors, including vertical- and horizontal-edge details and metal thicknesses.
 - 3. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
 - 4. Locations of reinforcement and preparations for hardware.
 - 5. Details of each different wall opening condition.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- 1. Ceco Door; ASSA ABLOY.
- 2. Custom Metal Products.
- 3. DKS Steel Door & Frame Systems, Inc.
- 4. Republic Doors and Frames

2.2 EXTERIOR HOLLOW-METAL DOORS AND FRAMES

- A. Construct exterior doors and frames to comply with the standards indicated for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.
- B. Maximum-Duty Doors and Frames: SDI A250.8, Level 4.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

1. Physical Performance: Level A according to SDI A250.4.
2. Doors:
 - a. Type: As indicated in the Door and Frame Schedule.
 - b. Thickness: 1-3/4 inches
 - c. Face: Metallic-coated steel sheet:
 - 1) inside face minimum thickness of 14 gauge (0.078 inch)
 - 2) outside face 12 gauge (0.109 inch)
 - 3) minimum A60 coating.
 - d. Edge Construction: Model 2, Seamless.
 - e. Core: vertical steel-stiffener
3. Frames:
 - a. Materials: Metallic-coated steel sheet, minimum thickness of 14 gauge (0.078 inch), with minimum A40 coating.
 - b. Construction: Knocked down.
4. Locking Hardware
 - a. Corbin Russwin FE6600 Series and Sargent FM7300 Series multi-point locks
 - b. Corbin Reusswin FES400 Series multi-point exit device (Outswing Only)
 - c. Sargent FM8700 Series exit device with 655 or 653 strike (Outswing Only)
5. Hinges
 - a. McKINNEY SP butt hinges
 - b. Markar HG305, HG305WT10, FM300, FM300WT and other approved continuous hinges.
6. Exposed Finish: Prime.

2.3 FRAME ANCHORS

A. Jamb Anchors:

1. Masonry Type: Adjustable strap-and-stirrup or T-shaped anchors to suit frame size, not less than 0.042 inch thick, with corrugated or perforated straps not less than 2 inches wide by 10 inches long; or wire anchors not less than 0.177 inch thick.
2. Stud-Wall Type: Designed to engage stud, welded to back of frames; not less than 0.042 inch thick.
3. Compression Type for Drywall Slip-on Frames: Adjustable compression anchors.
4. Postinstalled Expansion Type for In-Place Concrete or Masonry: Minimum 3/8-inch-diameter bolts with expansion shields or inserts. Provide pipe spacer from frame to wall, with throat reinforcement plate, welded to frame at each anchor location.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

2.4 FABRICATION

- A. Fabricate hollow-metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for metal thickness.
- B. Hollow-Metal Doors:
 - 1. Steel-Stiffened Door Cores: Provide minimum thickness 0.026 inch, steel vertical stiffeners of same material as face sheets extending full-door height, with vertical webs spaced not more than 6 inches apart. Spot weld to face sheets no more than 5 inches o.c. Fill spaces between stiffeners with glass- or mineral-fiber insulation.
 - 2. Vertical Edges for Single-Acting Doors: Bevel edges 1/8 inch in 2 inches.
 - 3. Top Edge Closures: Close top edges of doors with flush closures of same material as face sheets.
 - 4. Bottom Edge Closures: Close bottom edges of doors with end closures or channels of same material as face sheets.
 - 5. Exterior Doors: Provide weep-hole openings in bottoms of exterior doors to permit moisture to escape. Seal joints in top edges of doors against water penetration.
- C. Hollow-Metal Frames: Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.
 - 1. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated.
 - 2. Floor Anchors: Weld anchors to bottoms of jambs with at least four spot welds per anchor.
 - 3. Jamb Anchors: Provide number and spacing of anchors as follows:
 - a. Postinstalled Expansion Type: Locate anchors not more than 6 inches from top and bottom of frame. Space anchors not more than 26 inches o.c.
- D. Fabricate concealed stiffeners and edge channels from either cold- or hot-rolled steel sheet.
- E. Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to SDI A250.6, the Door Hardware Schedule, and templates.
 - 1. Reinforce doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.
 - 2. Comply with applicable requirements in SDI A250.6 and BHMA A156.115 for preparation of hollow-metal work for hardware.

2.5 STEEL FINISHES

- A. Prime Finish: Clean, pretreat, and apply manufacturer's standard primer.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

1. Shop Primer: Manufacturer's standard, fast-curing, lead- and chromate-free primer complying with SDI A250.10; recommended by primer manufacturer for substrate; compatible with substrate and field-applied coatings despite prolonged exposure.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine roughing-in for embedded and built-in anchors to verify actual locations before frame installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Drill and tap doors and frames to receive nontemplated, mortised, and surface-mounted door hardware.

3.3 INSTALLATION

- A. General: Install hollow-metal work plumb, rigid, properly aligned, and securely fastened in place. Comply with Drawings and manufacturer's written instructions.
- B. Hollow-Metal Frames: Install hollow-metal frames of size and profile indicated. Comply with SDI A250.11 or NAAMM-HMMA 840 as required by standards specified.
 1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
 - a. Install frames with removable stops located on secure side of opening.
 - b. Remove temporary braces necessary for installation only after frames have been properly set and secured.
 - c. Check plumb, square, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.
 2. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with postinstalled expansion anchors.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

3. In-Place Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
 4. Installation Tolerances: Adjust hollow-metal door frames for squareness, alignment, twist, and plumb to the following tolerances:
 - a. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
 - b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
 - c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
 - d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.
- C. Hollow-Metal Doors: Fit hollow-metal doors accurately in frames, within clearances specified below. Shim as necessary.
1. Non-Fire-Rated Steel Doors:
 - a. Between Door and Frame Jambs and Head: 1/8 inch plus or minus 1/32 inch.
 - b. Between Edges of Pairs of Doors: 1/8 inch to 1/4 inch plus or minus 1/32 inch.
 - c. At Bottom of Door: 5/8 inch plus or minus 1/32 inch.
 - d. Between Door Face and Stop: 1/16 inch to 1/8 inch plus or minus 1/32 inch.

END OF SECTION 081113

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

HOLLOW METAL DOORS AND FRAMES
SECTION 081113

This page intentionally left blank

HOLLOW METAL DOORS AND FRAMES - SECTION 081113-6

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CEMENT PLASTERING
SECTION 092400

SECTION 092400 - CEMENT PLASTERING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Exterior vertical plasterwork (stucco).
2. Exterior horizontal and nonvertical plasterwork (stucco).

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each type of factory-prepared finish coat and for each color and texture specified.

PART 2 - PRODUCTS

2.1 METAL LATH

- A. Expanded-Metal Lath: ASTM C 847, cold-rolled carbon-steel sheet with ASTM A 653/A 653M, G60, hot-dip galvanized-zinc coating.
 1. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
 2. Basis-of-Design Product: Subject to compliance with requirements, provide [product indicated on Drawings] <Insert manufacturer's name: product name or designation> or comparable product by one of the following:
 - a. Alabama Metal Industries Corporation; a Gibraltar Industries company.
 - b. CEMCO; California Expanded Metal Products Co.
 - c. ClarkDietrich Building Systems.
 - d. MarinoWARE.
 - e. Phillips Manufacturing Co.
 3. Diamond-Mesh Lath: Flat Self-furring, 3.4 lb/sq. yd.
 4. 3/8-Inch Rib Lath: [3.4 lb/sq. yd.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CEMENT PLASTERING
SECTION 092400

2.2 ACCESSORIES

- A. General: Comply with ASTM C 1063, and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.
- B. Metal Accessories:
 - 1. Foundation Weep Screed: Fabricated from hot-dip galvanized-steel sheet. ASTM A 653/A 653M, G60 zinc coating.
 - 2. Cornerite: Fabricated from metal lath with ASTM A 653/A 653M, G60, hot-dip galvanized-zinc coating.
 - 3. External- (Outside-) Corner Reinforcement: Fabricated from metal lath with ASTM A 653/A 653M, G60, hot-dip galvanized-zinc coating.
 - 4. Cornerbeads: Fabricated from zinc or zinc-coated (galvanized) steel.
 - a. Smallnose cornerbead with expanded flanges; use unless otherwise indicated.
 - b. Smallnose cornerbead with perforated flanges; use on curved corners.
 - c. Smallnose cornerbead with expanded flanges reinforced by perforated stiffening rib; use on columns and for finishing unit masonry corners.
 - d. Bullnose cornerbead, radius 3/4 inch minimum, with expanded flanges; use at locations indicated on Drawings.
 - 5. Casing Beads: Fabricated from zinc or zinc-coated (galvanized) steel; square-edged style; with expanded flanges.
 - 6. Control Joints: Fabricated from zinc or zinc-coated (galvanized) steel; one-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint.
 - 7. Expansion Joints: Fabricated from zinc or zinc-coated (galvanized) steel; folded pair of unperforated screeds in M-shaped configuration; with expanded flanges.

2.3 MISCELLANEOUS MATERIALS

- A. Water for Mixing and Finishing Plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
- B. Fiber for Base Coat: Alkaline-resistant glass or polypropylene fibers, 1/2 inch long, free of contaminants, manufactured for use in cement plaster.
- C. Bonding Compound: ASTM C 932.
- D. Fasteners for Attaching Metal Lath to Substrates: ASTM C 1063.
- E. Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, not less than 0.0475-inch diameter unless otherwise indicated.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CEMENT PLASTERING
SECTION 092400

2.4 PLASTER MATERIALS

- A. Portland Cement: ASTM C 150/C 150M, Type I.
- B. Masonry Cement: ASTM C 91, Type N.
- C. Colorants for Job-Mixed Finish Coats: Colorfast mineral pigments that produce finish plaster color to be field determined.
- D. Sand Aggregate: ASTM C 897.
 - 1. Color for Job-Mixed Finish Coats: to be field determined.
- E. Perlite Aggregate: ASTM C 35.

2.5 PLASTER MIXES

- A. General: Comply with ASTM C 926 for applications indicated.
 - 1. Fiber Content: Add fiber to base-coat mixes after ingredients have mixed at least two minutes. Comply with fiber manufacturer's written instructions for fiber quantities in mixes, but do not exceed 1 lb of fiber/cu. yd. of cementitious materials.
- B. Base-Coat Mixes for Use over Metal Lath: Scratch and brown coats for three-coat plasterwork as follows:
 - 1. Portland and Masonry Cement Mixes:
 - a. Scratch Coat: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 2-1/2 to 4 parts aggregate per part of cementitious material.
 - b. Brown Coat: For cementitious material, mix 1 part portland cement and 1 part masonry cement. Use 3 to 5 parts aggregate per part of cementitious material, but not less than volume of aggregate used in scratch coat.
- C. Job-Mixed Finish-Coat Mixes:
 - 1. Portland and Masonry Cement Mix: For cementitious materials, mix 1 part portland cement and 1 part masonry cement. Use 1-1/2 to 3 parts aggregate per part of cementitious material.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

CEMENT PLASTERING
SECTION 092400

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Prepare smooth, solid substrates for plaster according to ASTM C 926.

3.2 INSTALLING METAL LATH

- A. Metal Lath: Install according to ASTM C 1063.

3.3 INSTALLING ACCESSORIES

- A. Install according to ASTM C 1063 and at locations indicated on Drawings.
- B. Reinforcement for External (Outside) Corners:
 - 1. Install lath-type, external-corner reinforcement at exterior locations.
 - 2. Install cornerbead at interior locations.

3.4 PLASTER APPLICATION

- A. General: Comply with ASTM C 926.
- B. Bonding Compound: Apply on and concrete substrates for direct application of plaster.
- C. Walls; Base-Coat Mixes for Use over Metal Lath: For scratch and brown coats, for three-coat plasterwork with 3/4-inch total thickness, as follows:
 - 1. Portland and masonry cement mixes.
- D. Concealed Exterior Plasterwork: Where plaster application is used as a base for adhered finishes, omit finish coat.

3.5 PLASTER REPAIRS

- A. Repair or replace work to eliminate cracks, dents, blisters, buckles, crazing and check cracking, dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.

END OF SECTION

CEMENT PLASTERING - SECTION 092400-4

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes resinous flooring systems.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site .

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include manufacturer's technical data, application instructions, and recommendations for each resinous flooring component required.
- B. Samples for Initial Selection: For each type of exposed finish required.
- C. Samples for Verification: For each resinous flooring system required, 6 inches square, applied to a rigid backing by Installer for this Project.

1.5 INFORMATIONAL SUBMITTALS

- A. Material Certificates: For each resinous flooring component, from manufacturer.
- B. Material Test Reports: For each resinous flooring system, by a qualified testing agency.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For resinous flooring to include in maintenance manuals.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is trained and approved by manufacturer.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in original packages and containers, with seals unbroken, bearing manufacturer's labels indicating brand name and directions for storage and mixing with other components.

1.9 FIELD CONDITIONS

- A. Environmental Limitations: Comply with resinous flooring manufacturer's written instructions for substrate temperature, ambient temperature, moisture, ventilation, and other conditions affecting resinous flooring application.
- B. Lighting: Provide permanent lighting or, if permanent lighting is not in place, simulate permanent lighting conditions during resinous flooring application.
- C. Close spaces to traffic during resinous flooring application and for 24 hours after application unless manufacturer recommends a longer period.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Flammability: Self-extinguishing in accordance with ASTM D635.

2.2 MANUFACTURERS

- A. Source Limitations: Obtain primary resinous flooring materials, including primers, resins, hardening agents, and topcoats, from single source from single manufacturer. Obtain secondary materials, including patching and fill material, joint sealant, and repair materials, of type and from manufacturer recommended in writing by manufacturer of primary materials.

2.3 RESINOUS FLOORING

- A. Resinous Flooring System: Abrasion-, impact-, and chemical-resistant, aggregate-filled, and resin-based monolithic floor surfacing designed to produce a seamless floor.

RESINOUS FLOORING - SECTION 096723-2

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

1. Basis-of-Design Product: Subject to compliance with requirements, provide PPG Paints; Megaseal™ products or comparable product by one of the following:
 - a. BASF Corp. - Construction Chemicals.
 - b. Duraflex, Inc.
 - c. PolySpec.
 - d. Sherwin-Williams Company, General Polymers.
 - e. Stonhard, Inc.
 - f. Tnemec Inc.
- B. System Characteristics:
 1. Color and Pattern: As selected by Architect from manufacturer's full range .
 2. Wearing Surface: Textured for slip resistance .
 3. Overall System Thickness: Thin Film: 4 to 16 mils .
- C. Body Coats:
 1. Basis-of-Design Product: Subject to compliance with requirements, provide PPG Paints; Megaseal™ TF Thin Film Epoxy, 99-1000 Series or comparable product.
 - a. Resin: Epoxy.
 - b. Formulation Description: High solids.
 - c. Type: Pigmented .
 - d. Application Method: Thin-film system.
 - e. Number of Coats: Two .
 - f. Thickness of Coats: 4 to 8 mils.
- D. Topcoats: Sealing or finish coats.
 1. Topcoat to match body coat.
 2. Basis-of-Design Product: Subject to compliance with requirements, provide PPG Paints; Megaseal™ HPU High-Performance Urethane, Gloss 99-1900 Series or comparable product.
 - a. Resin: Urethane.
 - b. Formulation Description: High solids.
 - c. Type: Clear.
 - d. Number of Coats: Two .
 - e. Thickness of Coats: 3 to 5 mils.
 - f. Finish: Gloss.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

PART 3 - EXECUTION

3.1 PREPARATION

- A. Prepare and clean substrates in accordance with resinous flooring manufacturer's written instructions for substrate indicated. Provide clean, dry substrate for resinous flooring application.
- B. Concrete Substrates: Provide sound concrete surfaces free of laitance, glaze, efflorescence, curing compounds, form-release agents, dust, dirt, grease, oil, and other contaminants incompatible with resinous flooring.
 - 1. Roughen concrete substrates as follows:
 - a. Shot-blast surfaces with an apparatus that abrades the concrete surface, contains the dispensed shot within the apparatus, and recirculates the shot by vacuum pickup.
 - 2. Repair damaged and deteriorated concrete in accordance with resinous flooring manufacturer's written instructions.
- C. Resinous Materials: Mix components and prepare materials in accordance with resinous flooring manufacturer's written instructions.

3.2 APPLICATION

- A. Apply components of resinous flooring system in accordance with manufacturer's written instructions to produce a uniform, monolithic wearing surface of thickness indicated.
 - 1. Coordinate application of components to provide optimum adhesion of resinous flooring system to substrate, and optimum intercoat adhesion.
 - 2. Cure resinous flooring components in accordance with manufacturer's written instructions. Prevent contamination during application and curing processes.
 - 3. Expansion and Isolation Joint Treatment: At substrate expansion and isolation joints, comply with resinous flooring manufacturer's written instructions.
- B. Self-Leveling Body Coats: Apply self-leveling slurry body coats in thickness indicated for flooring system.
- C. Troweled or Screeded Body Coats: Apply troweled or screeded body coats in thickness indicated for flooring system. Hand or power trowel and grout to fill voids. When body coats are cured, remove trowel marks and roughness using method recommended by manufacturer.
- D. Topcoats: Apply topcoats in number indicated for flooring system and at spreading rates recommended in writing by manufacturer and to produce wearing surface indicated.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

3.3 PROTECTION

- A. Protect resinous flooring from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by resinous flooring manufacturer.

END OF SECTION 096723

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

RESINOUS FLOORING
SECTION 096723

This page intentionally left blank

RESINOUS FLOORING - SECTION 096723-6

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXTERIOR PAINTING
SECTION 099113

SECTION 099113 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
 - 1. Steel and iron.
 - 2. Portland cement plaster (stucco).

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Behr Process Corporation.
 - 2. Benjamin Moore & Co.
 - 3. Kelly-Moore Paint Company Inc.
 - 4. PPG Architectural Coatings.
 - 5. Sherwin-Williams Company (The).

2.2 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- B. Colors: As selected by Architect from manufacturer's full range.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXTERIOR PAINTING
SECTION 099113

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Portland Cement Plaster: 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual."
- B. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXTERIOR PAINTING
SECTION 099113

3.4 CLEANING AND PROTECTION

- A. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- B. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

EXTERIOR PAINTING
SECTION 099113

This page intentionally left blank

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

INTERIOR PAINTING
SECTION 099123

SECTION 099123 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following interior substrates:
 1. Concrete masonry units (CMUs).
 2. Steel and iron.
 3. Gypsum board.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 1. Behr Process Corporation.
 2. Benjamin Moore & Co.
 3. Kelly-Moore Paint Company Inc.
 4. PPG Architectural Coatings.
 5. Sherwin-Williams Company (The).

2.2 PAINT, GENERAL

- A. Colors: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

INTERIOR PAINTING
SECTION 099123

- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Masonry (Clay and CMUs): 12 percent.
 - 2. Gypsum Board: 12 percent.
 - 3. Plaster: 12 percent.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual."
- B. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TOILET, BATH, AND LAUNDRY ACCESSORIES
SECTION 102800

SECTION 102800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Public-use washroom accessories.

PART 2 - PRODUCTS

2.1 Grab Bar:

1. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:
 - a. American Specialties, Inc.; ASI Group.
 - b. Bobrick Washroom Equipment, Inc.
 - c. Bradley Corporation.
2. Mounting: Flanges with concealed fasteners.
3. Material: Stainless steel, 0.05 inch thick.
 - a. Finish: Smooth, No. 4 finish (satin) on ends and slip-resistant texture in grip area.
4. Outside Diameter: 1-1/2 inches.
5. Configuration and Length: As indicated on Drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Grab Bars: Install to withstand a downward load of at least 250 lbf. when tested according to ASTM F 446.

END OF SECTION

TOILET, BATH, AND LAUNDRY ACCESSORIES - SECTION 102800-1

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

TOILET, BATH, AND LAUNDRY ACCESSORIES
SECTION 102800

This page intentionally left blank

TOILET, BATH, AND LAUNDRY ACCESSORIES - SECTION 102800-2

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

SECTION 133419 - METAL BUILDING SYSTEMS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Metal roof panels.
 - 2. Accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of metal building system component.
- B. Shop Drawings: Indicate components by others. Include full building plan, elevations, sections, details and attachments to other work.
- C. Samples: For units with factory-applied finishes.
- D. Delegated-Design Submittal: For metal building systems.
 - 1. Include analysis data indicating compliance with performance requirements and design data signed and sealed by the qualified professional engineer responsible for their preparation.

1.3 WARRANTY

- A. Special Warranty on Metal Panel Finishes: Manufacturer agrees to repair finish or replace metal panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Finish Warranty Period: 20 years from date of Substantial Completion.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide [product indicated on Drawings] <Insert manufacturer's name; product name or designation> or comparable product by one of the following:
 - 1. Alliance Steel, Inc.
 - 2. Ceco Building Systems; an NCI company.
 - 3. Star Building Systems; a division of NCI Building Systems, Inc.

2.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Metal building systems shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to procedures in MBMA's "Metal Building Systems Manual."
 - 1. Deflection and Drift Limits: No greater than the following:
 - a. Metal Roof Panels: Vertical deflection of 1/360 of the span.
- B. Seismic Performance: Metal building system shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.
- C. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - 1. Temperature Change: 120 deg F ambient; 180 deg F, material surfaces.
- D. Structural Performance for Metal Roof Panels: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E 1592:
- E. Water Penetration for Metal Roof Panels: No water penetration when tested according to ASTM E 1646 or ASTM E 331.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

- F. Wind-Uplift Resistance: Provide metal roof panel assemblies that comply with UL 580 for wind-uplift-resistance class indicated.
- G. FM Global Listing: Provide metal roof panels and component materials that comply with requirements in FM Global 4471 as part of a panel roofing system and that are listed in FM Global's "Approval Guide" for Class 1 or noncombustible construction, as applicable. Identify materials with FM Global markings.
 - 1. Fire/Windstorm Classification: Class 1A-90.
 - 2. Hail Resistance: SH.

2.3 METAL ROOF PANELS

- A. Standing-Seam, Vertical-Rib, Metal Roof Panels : Formed with interlocking ribs at panel edges and flat pan between ribs; designed for sequential installation by mechanically attaching panels to supports using concealed clips located under one side of panels and engaging opposite edge of adjacent panels.
 - 1. Material: Zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet, 0.030-inch nominal uncoated steel thickness. Prepainted by the coil-coating process to comply with ASTM A 755/A 755M.
 - a. Exterior Finish: Two-coat fluoropolymer Siliconized polyester.
 - b. Color: As selected by Architect from manufacturer's full range.
 - 2. Clips: Two-piece floating to accommodate thermal movement.
 - 3. Joint Type: Panels snapped together.
 - 4. Panel Coverage: 16 inches Insert dimension.
 - 5. Panel Height: 2 inches Insert dimension.

2.4 ACCESSORIES

- A. General: Provide accessories as standard with metal building system manufacturer and as specified. Fabricate and finish accessories at the factory to greatest extent possible, by manufacturer's standard procedures and processes. Comply with indicated profiles and with dimensional and structural requirements.
 - 1. Form exposed sheet metal accessories that are without excessive oil-canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

- B. Roof Panel Accessories: Provide components required for a complete metal roof panel assembly including copings, fasciae, corner units, ridge closures, clips, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal roof panels unless otherwise indicated.
- C. Flashing and Trim: Zinc-coated (galvanized) or aluminum-zinc alloy-coated steel sheet, 0.018-inch nominal uncoated steel thickness, prepainted with coil coating; finished to match adjacent metal panels.

2.5 FABRICATION

- A. General: Design components and field connections required for erection to permit easy assembly.
 - 1. Mark each piece and part of the assembly to correspond with previously prepared erection drawings, diagrams, and instruction manuals.
 - 2. Fabricate structural framing to produce clean, smooth cuts and bends. Punch holes of proper size, shape, and location. Members shall be free of cracks, tears, and ruptures.
- B. Tolerances: Comply with MBMA's "Metal Building Systems Manual" for fabrication and erection tolerances.
- C. Metal Panels: Fabricate and finish metal panels at the factory to greatest extent possible, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements. Comply with indicated profiles and with dimensional and structural requirements.
 - 1. Provide panel profile, including major ribs and intermediate stiffening ribs, if any, for full length of metal panel.

PART 3 - EXECUTION

3.1 METAL ROOF PANEL INSTALLATION

- A. General: Provide metal roof panels of full length from eave to ridge unless otherwise indicated or restricted by shipping limitations.
 - 1. Install caps as metal roof panel work proceeds.
 - 2. Flash and seal metal roof panels with weather closures at eaves and rakes. Fasten with self-tapping screws.

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

- B. Standing-Seam Metal Roof Panels: Fasten metal roof panels to supports with concealed clips at each standing-seam joint, at location and spacing and with fasteners recommended by manufacturer.
1. Install clips to supports with self-drilling or self-tapping fasteners.
 2. Install pressure plates at locations indicated in manufacturer's written installation instructions.
 3. Snap Joint: Nest standing seams and fasten together by interlocking and completely engaging factory-applied sealant.
 4. Seamed Joint: Crimp standing seams with manufacturer-approved motorized seamer tool so that clip, metal roof panel, and factory-applied sealant are completely engaged.
 5. Rigidly fasten eave end of metal roof panels and allow ridge end free movement for thermal expansion and contraction. Predrill panels for fasteners.
 6. Provide metal closures at each side of ridge caps.

3.2 ACCESSORY INSTALLATION

- A. General: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal roof panel assembly, including trim, copings, ridge closures, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items.
 2. Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action by painting contact surfaces with corrosion-resistant coating, by applying rubberized-asphalt underlayment to each contact surface, or by other permanent separation as recommended by manufacturer.
- B. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level. Install work with laps, joints, and seams that will be permanently watertight and weather resistant.
1. Install exposed flashing and trim that is without excessive oil-canning, buckling, and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to result in waterproof and weather-resistant performance.

END OF SECTION

GO BOND PROP 2-A THROUGH PROP 2-D
PARK RESTROOMS

GO BOND PROP 2-A THROUGH PROP 2-C
PAVILLIONS

METAL BUILDING SYSTEMS
SECTION 133419

This page intentionally left blank

PROJECT MANUAL

PROP 2-F PARK RESTROOM RENOVATIONS

PREPARED FOR THE:

City of Bethany

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUMMARY
011000

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

- A. Project Identification / location:
 - 1. Cecil Mendenhall Park, 3500 N Muelier
- B. Owner: The City of Bethany, Oklahoma.
 - 1. Owner's Representative: TEIM Design.
- C. Architect: TEIM Design, Walter Joyce, AIA.
- D. Engineering: TEIM Design, Robbie Williams, P.E.
- E. Consultants:
 - 1. Mechanical Engineer: Owen Gwin, PE
 - 2. Electrical Engineer: Frank Reid, PE

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. The work of the Project is defined by the Contract Documents and consists of the following:
 - 1. Brief description:
 - a. Prepare the site for one self contained prefabricated unisex accessible restroom building including site approach sidewalks and building pad.
 - b. Install the restroom building package and connect to all required site utilities.
 - 2. Type of Contract: Project will be constructed under a single prime contract
 - 3. Project will be constructed under a single prime contract.

1.3 PRODUCTS (Not Used)

PART 2 - EXECUTION (Not Used)

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUMMARY
011000

This page intentionally left blank

SECTION 012600 - CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for handling and processing Contract modifications.

1.2 MINOR CHANGES IN THE WORK

- A. Architect will issue supplemental instructions authorizing minor changes in the Work, not involving adjustment to the Contract Sum or the Contract Time.

1.3 PROPOSAL REQUESTS

- A. Owner-Initiated Proposal Requests: Architect will issue a detailed description of proposed changes in the Work that may require adjustment to the Contract Sum or the Contract Time. If necessary, the description will include supplemental or revised Drawings and Specifications.
 1. Work Change Proposal Requests issued by Architect are not instructions either to stop work in progress or to execute the proposed change.
 2. Within 20 days, when not otherwise specified, after receipt of Proposal Request, submit a quotation estimating cost adjustments to the Contract Sum and the Contract Time necessary to execute the change.
 - a. Include a list of quantities of products required or eliminated and unit costs, with total amount of purchases and credits to be made. If requested, furnish survey data to substantiate quantities.
 - b. Indicate applicable taxes, delivery charges, equipment rental, and amounts of trade discounts.
 - c. Include costs of labor and supervision directly attributable to the change.
 - d. Include an updated Contractor's construction schedule that indicates the effect of the change, including, but not limited to, changes in activity duration, start and finish times, and activity relationship. Use available total float before requesting an extension of the Contract Time.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

CONTRACT MODIFICATION PROCEDURES
012600

1.4 CHANGE ORDER PROCEDURES

- A. On Owner's approval of a Work Change Proposal Request, Architect will issue a Change Order for signatures of Owner and Contractor on form included in Project Manual.

1.5 CONSTRUCTION CHANGE DIRECTIVE

- A. Construction Change Directive: Architect may issue a Construction Change Directive on form included in Project Manual. Construction Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
 - 1. Construction Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.

1.6 WORK CHANGE DIRECTIVE

- A. Work Change Directive: Architect may issue a Work Change Directive. Work Change Directive instructs Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order.
 - 1. Work Change Directive contains a complete description of change in the Work. It also designates method to be followed to determine change in the Contract Sum or the Contract Time.
- B. Documentation: Maintain detailed records on a time and material basis of work required by the Work Change Directive.
 - 1. After completion of change, submit an itemized account and supporting data necessary to substantiate cost and time adjustments to the Contract.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT MANAGEMENT AND COORDINATION
013100

SECTION 013100 - PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative provisions for coordinating construction operations on Project including, but not limited to, the following:
 - 1. General coordination procedures.
 - 2. Project meetings.

1.3 DEFINITIONS

- A. RFI : Request for Information. Request from Owner, Architect, or Contractor seeking information required by or clarifications of the Contract Documents.

- B. INFORMATIONAL SUBMITTALS

- 1. Subcontract List: Prepare a written summary identifying individuals or firms proposed for each portion of the Work, including those who are to furnish products or equipment fabricated to a special design. Include the following information in tabular form:

1.4 GENERAL COORDINATION PROCEDURES

- A. Coordination: Coordinate construction operations included in different Sections of the Specifications to ensure efficient and orderly installation of each part of the Work. Coordinate construction operations included in different Sections that depend on each other for proper installation, connection, and operation.
 - 1. Schedule construction operations in sequence required to obtain the best results where installation of one part of the Work depends on installation of other components, before or after its own installation.
 - 2. Coordinate installation of different components to ensure maximum performance and accessibility for required maintenance, service, and repair.
 - 3. Make adequate provisions to accommodate items scheduled for later installation.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT MANAGEMENT AND COORDINATION
013100

B. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities and scheduled activities of other contractors to avoid conflicts and to ensure orderly progress of the Work. Such administrative activities include, but are not limited to, the following:

1. Preparation of Contractor's construction schedule.
2. Preparation of the schedule of values.
3. Delivery and processing of submittals.
4. Progress meetings.
5. Preinstallation conferences.
6. Project closeout activities.

1.5 REQUEST FOR INFORMATION (RFI)

A. General: Immediately on discovery of the need for additional information, clarification, or interpretation of the Contract Documents, Contractor shall prepare and submit an RFI in the form specified.

1. Architect will return without response those RFIs submitted to Architect by other entities controlled by Contractor.
2. Coordinate and submit RFIs in a prompt manner so as to avoid delays in Contractor's work or work of subcontractors.

B. Content of the RFI: Include a detailed, legible description of item needing information or interpretation and the following:

1. Project name.
2. Project number.
3. Date.
4. Name of Contractor.
5. Name of Architect.
6. RFI number, numbered sequentially.
7. RFI subject.
8. Specification Section number and title and related paragraphs, as appropriate.
9. Drawing number and detail references, as appropriate.
10. Field dimensions and conditions, as appropriate.
11. Contractor's suggested resolution. If Contractor's suggested resolution impacts the Contract Time or the Contract Sum, Contractor shall state impact in the RFI.
12. Contractor's signature.
13. Attachments: Include sketches, descriptions, measurements, photos, Product Data, Shop Drawings, coordination drawings, and other information necessary to fully describe items needing interpretation.

C. RFI Forms: acceptable to Architect.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT MANAGEMENT AND COORDINATION
013100

- D. Architect's Action: Architect will review each RFI, determine action required, and respond. Allow seven working days for Architect's response for each RFI. RFIs received by Architect after 1:00 p.m. will be considered as received the following working day.
- E. RFI Log: Prepare, maintain, and submit a tabular log of RFIs organized by the RFI number. :
 - 1. Project name.
 - 2. Name and address of Contractor.
 - 3. RFI number including RFIs that were returned without action or withdrawn.
 - 4. RFI description.
 - 5. Date the RFI was submitted.
 - 6. Date Architect's response was received.
- F. On receipt of Architect's action, update the RFI log and immediately distribute the RFI response to affected parties. Review response and notify Architect within seven days if Contractor disagrees with response.

1.6 PROJECT MEETINGS

- A. General: Schedule and conduct meetings and conferences at Project site unless otherwise indicated.
- B. Preconstruction Conference: Schedule and conduct a preconstruction conference before starting construction, at a time convenient to Owner and Architect, but no later than 15 days after execution of the Agreement.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT MANAGEMENT AND COORDINATION
013100

This page intentionally left blank

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

SECTION 013300 - SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Submittal schedule requirements.
2. Administrative and procedural requirements for submittals.

1.2 DEFINITIONS

- A. Action Submittals: Written and graphic information and physical samples that require Architect's responsive action. Action submittals are those submittals indicated in individual Specification Sections as "action submittals."
- B. Informational Submittals: Written and graphic information and physical samples that do not require Architect's responsive action. Submittals may be rejected for not complying with requirements. Informational submittals are those submittals indicated in individual Specification Sections as "informational submittals."

1.3 SUBMITTAL SCHEDULE

- A. Submittal Schedule: Submit, as an action submittal, a list of submittals, arranged in chronological order by dates required by construction schedule. Include time required for review, ordering, manufacturing, fabrication, and delivery when establishing dates. Include additional time required for making corrections or revisions to submittals noted by Architect and additional time for handling and reviewing submittals required by those corrections.

1.4 SUBMITTAL FORMATS

A. Submittal Information: Include the following information in each submittal:

1. Project name.
2. Date.
3. Name of Architect.
4. Name of Contractor.
5. Name of firm or entity that prepared submittal.
6. Names of subcontractor, manufacturer, and supplier.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

7. Unique submittal number, including revision identifier. Include Specification Section number with sequential alphanumeric identifier; and alphanumeric suffix for resubmittals.
 8. Category and type of submittal.
 9. Submittal purpose and description.
 10. Number and title of Specification Section, with paragraph number and generic name for each of multiple items.
 11. Drawing number and detail references, as appropriate.
 12. Indication of full or partial submittal.
 13. Location(s) where product is to be installed, as appropriate.
 14. Other necessary identification.
 15. Remarks.
 16. Signature of transmitter.
- B. Deviations and Additional Information: On each submittal, clearly indicate deviations from requirements in the Contract Documents, including minor variations and limitations; include relevant additional information and revisions, other than those requested by Architect on previous submittals. Indicate by highlighting on each submittal or noting on attached separate sheet.
- C. PDF Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.

1.5 SUBMITTAL PROCEDURES

- A. Prepare and submit submittals required by individual Specification Sections. Types of submittals are indicated in individual Specification Sections.
1. Prepare submittals as PDF package, and transmit to Architect by sending via email. Include PDF transmittal form.
- B. Coordination: Coordinate preparation and processing of submittals with performance of construction activities.
1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
 2. Submit all submittal items required for each Specification Section concurrently unless partial submittals for portions of the Work are indicated on approved submittal schedule.
 3. Submit action submittals and informational submittals required by the same Specification Section as separate packages under separate transmittals.
- C. Resubmittals: Make resubmittals in same form and number of copies as initial submittal.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

- D. Use for Construction: Retain complete copies of submittals on Project site. Use only final action submittals that are marked with approval notation from Architect's action stamp.

1.6 SUBMITTAL REQUIREMENTS

- A. Product Data: Collect information into a single submittal for each element of construction and type of product or equipment.
1. If information must be specially prepared for submittal because standard published data are unsuitable for use, submit as Shop Drawings, not as Product Data.
 2. Mark each copy of each submittal to show which products and options are applicable.
 3. Include the following information, as applicable:
 - a. Manufacturer's catalog cuts.
 - b. Manufacturer's product specifications.
 - c. Standard color charts.
 - d. Statement of compliance with specified referenced standards.
 - e. Testing by recognized testing agency.
 - f. Application of testing agency labels and seals.
 - g. Notation of coordination requirements.
 - h. Availability and delivery time information.
 4. For equipment, include the following in addition to the above, as applicable:
 - a. Wiring diagrams that show factory-installed wiring.
 - b. Printed performance curves.
 - c. Operational range diagrams.
 - d. Clearances required to other construction, if not indicated on accompanying Shop Drawings.
 5. Submit Product Data before Shop Drawings, and before or concurrent with Samples.
- B. Shop Drawings: Prepare Project-specific information, drawn accurately to scale. Do not base Shop Drawings on reproductions of the Contract Documents or standard printed data.
1. Preparation: Fully illustrate requirements in the Contract Documents. Include the following information, as applicable:
 - a. Identification of products.
 - b. Schedules.
 - c. Compliance with specified standards.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

- d. Notation of coordination requirements.
- e. Notation of dimensions established by field measurement.
- f. Relationship and attachment to adjoining construction clearly indicated.
- g. Seal and signature of professional engineer if specified.

C. Certificates:

1. Certificates and Certifications Submittals: Submit a statement that includes signature of entity responsible for preparing certification. Certificates and certifications shall be signed by an officer or other individual authorized to sign documents on behalf of that entity. Provide a notarized signature where indicated.

D. Test and Research Reports:

1. Compatibility Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of compatibility tests performed before installation of product. Include written recommendations for primers and substrate preparation needed for adhesion.
2. Field Test Reports: Submit written reports indicating and interpreting results of field tests performed either during installation of product or after product is installed in its final location, for compliance with requirements in the Contract Documents.
3. Material Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting test results of material for compliance with requirements in the Contract Documents.
4. Preconstruction Test Reports: Submit reports written by a qualified testing agency, on testing agency's standard form, indicating and interpreting results of tests performed before installation of product, for compliance with performance requirements in the Contract Documents.
5. Product Test Reports: Submit written reports indicating that current product produced by manufacturer complies with requirements in the Contract Documents. Base reports on evaluation of tests performed by manufacturer and witnessed by a qualified testing agency, or on comprehensive tests performed by a qualified testing agency.
6. Research Reports: Submit written evidence, from a model code organization acceptable to authorities having jurisdiction, that product complies with building code in effect for Project. Include the following information:
 - a. Name of evaluation organization.
 - b. Date of evaluation.
 - c. Time period when report is in effect.
 - d. Product and manufacturers' names.
 - e. Description of product.
 - f. Test procedures and results.
 - g. Limitations of use.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

1.7 ARCHITECT'S REVIEW

- A. Action Submittals: Architect will review each submittal, indicate corrections or revisions required, and return it.
 - 1. PDF Submittals: Architect will indicate, via markup on each submittal, the appropriate action.
- B. Informational Submittals: Architect will review each submittal and will not return it, or will return it if it does not comply with requirements. Architect will forward each submittal to appropriate party.
- C. Partial submittals prepared for a portion of the Work will be reviewed when use of partial submittals has received prior approval from Architect.
- D. Incomplete submittals are unacceptable, will be considered nonresponsive, and will be returned for resubmittal without review.
- E. Architect will return without review submittals received from sources other than Contractor.
- F. Submittals not required by the Contract Documents will be returned by Architect without action.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

SUBMITTAL PROCEDURES
013300

This page intentionally left blank

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

TEMPORARY FACILITIES AND CONTROLS
015000

SECTION 015000 - TEMPORARY FACILITIES AND CONTROLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes requirements for temporary utilities, support facilities, and security and protection facilities.

PART 2 - PRODUCTS

2.1 TEMPORARY FACILITIES

- A. Common-Use Field Office: Of sufficient size to accommodate needs of Owner, Architect, and construction personnel office activities.

PART 3 - EXECUTION

3.1 TEMPORARY FACILITIES, GENERAL

- A. Conservation: Coordinate construction and use of temporary facilities with consideration given to conservation of energy, water, and materials. Coordinate use of temporary utilities to minimize waste.

3.2 INSTALLATION, GENERAL

- A. Locate facilities where they will serve Project adequately and result in minimum interference with performance of the Work. Relocate and modify facilities as required by progress of the Work.

3.3 TEMPORARY UTILITY INSTALLATION

- A. Sanitary Facilities: Provide temporary toilets, wash facilities, and drinking water for use of construction personnel. Comply with requirements of authorities having jurisdiction for type, number, location, operation, and maintenance of fixtures and facilities.
- B. Electric Power Service: Provide electric power service and distribution system of sufficient size, capacity, and power characteristics required for construction operations.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

TEMPORARY FACILITIES AND CONTROLS
015000

3.4 SUPPORT FACILITIES INSTALLATION

- A. Project Signs: Provide Project signs as indicated.
 - 1. Identification Signs: Provide Project identification signs.
 - 2. Temporary Signs: Provide other signs as indicated and as required to inform public and individuals seeking entrance to Project.
- B. Waste Disposal Facilities: Provide waste-collection containers in sizes adequate to handle waste from construction operations. Comply with requirements of authorities having jurisdiction.
- C. Lifts and Hoists: Provide facilities necessary for hoisting materials and personnel.
 - 1. Truck cranes and similar devices used for hoisting materials are considered "tools and equipment" and not temporary facilities.

3.5 SECURITY AND PROTECTION FACILITIES INSTALLATION

- A. Protection of Existing Facilities: Protect existing vegetation, equipment, structures, utilities, and other improvements at Project site and on adjacent properties, except those indicated to be removed or altered. Repair damage to existing facilities.
- B. Environmental Protection: Provide protection, operate temporary facilities, and conduct construction as required to comply with environmental regulations and that minimize possible air, waterway, and subsoil contamination or pollution or other undesirable effects.
- C. Site Enclosure Fence: Before construction operations begin, furnish and install site enclosure fence in a manner that will prevent people from easily entering site except by entrance gates.
 - 1. Extent of Fence: As required to enclose entire Project site or portion determined sufficient to accommodate construction operations.
- D. Temporary Fire Protection: Install and maintain temporary fire-protection facilities of types needed to protect against reasonably predictable and controllable fire losses. Comply with NFPA 241; manage fire-prevention program.

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

TEMPORARY TREE AND PLANT PROTECTION
015639

SECTION 015639 - TEMPORARY TREE AND PLANT PROTECTION

PART 1 - GENERAL

1.1 DEFINITIONS Protection Zone: Area surrounding individual trees or groups of trees to be protected during construction and indicated on Drawings defined by a circle concentric with each tree with a radius 1.5 times the diameter of the drip line unless otherwise indicated .

1.2 FIELD CONDITIONS

A. The following practices are prohibited within protection zones:

1. Storage of construction materials, debris, or excavated material.
2. Moving or parking vehicles or equipment.
3. Erection of sheds or structures.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Protection-Zone Fencing: Fencing fixed in position and meeting the following requirements:

1. Plastic Protection-Zone Fencing: Plastic construction fencing constructed of high-density extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and supported by tubular or T-shape galvanized-steel posts spaced not more than 96 inches apart. High-visibility orange color.
 - a. Height: 48 inches.
2. Gates: Swing access gates matching material and appearance of fencing, to allow for maintenance activities within protection zones.

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

TEMPORARY TREE AND PLANT PROTECTION
015639

This page intentionally left blank

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

EXECUTION
017300

SECTION 017300 - EXECUTION

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes general administrative and procedural requirements governing execution of the Work.
- B. Related Requirements:
 - 1. Section 017700 "Closeout Procedures" for submitting final property survey with Project Record Documents, recording of Owner-accepted deviations from indicated lines and levels, replacing defective work, and final cleaning.

1.2 QUALITY ASSURANCE

- A. Manufacturer's Installation Instructions: Obtain and maintain on-site manufacturer's written recommendations and instructions for installation of products and equipment.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Existing Conditions: The existence and location of underground and other utilities and construction indicated as existing are not guaranteed. Before beginning sitework, investigate and verify the existence and location of underground utilities, mechanical and electrical systems, and other construction affecting the Work.
- B. Examination and Acceptance of Conditions: Before proceeding with each component of the Work, examine substrates, areas, and conditions, with Installer or Applicator present where indicated, for compliance with requirements for installation tolerances and other conditions affecting performance. Record observations.
- C. Proceed with installation only after unsatisfactory conditions have been corrected. Proceeding with the Work indicates acceptance of surfaces and conditions.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

EXECUTION
017300

3.2 PREPARATION

- A. Existing Utility Information: Furnish information to local utility that is necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction. Coordinate with authorities having jurisdiction.

3.3 CONSTRUCTION LAYOUT

- A. Verification: Before proceeding to lay out the Work, verify layout information shown on Drawings, in relation to the property survey and existing benchmarks. If discrepancies are discovered, notify Architect promptly.
- B. General: Lay out the Work using accepted surveying practices.
 - 1. Establish benchmarks and control points to set lines and levels of construction and elsewhere as needed to locate each element of Project.
 - 2. Establish dimensions within tolerances indicated. Do not scale Drawings to obtain required dimensions.
 - 3. Notify Architect when deviations from required lines and levels exceed allowable tolerances.
- C. Site Improvements: Locate and lay out site improvements, including pavements, grading, fill and topsoil placement, utility slopes, and rim and invert elevations.
- D. Building Lines and Levels: Locate and lay out control lines and levels for structures, building foundations and floor levels.

3.4 INSTALLATION

- A. General: Locate the Work and components of the Work accurately, in correct alignment and elevation, as indicated.
- B. Comply with manufacturer's written instructions and recommendations for installing products in applications indicated.
- C. Install products at the time and under conditions that will ensure the best possible results. Maintain conditions required for product performance until Substantial Completion.
- D. Conduct construction operations so no part of the Work is subjected to damaging operations or loading in excess of that expected during normal conditions of occupancy.
- E. Sequence the Work and allow adequate clearances to accommodate movement of construction items on site and placement in permanent locations.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

EXECUTION
017300

- F. Remove and replace damaged, defective, or non-conforming Work.

3.5 PROGRESS CLEANING

- A. General: Clean Project site and work areas daily, including common areas. Enforce requirements strictly. Dispose of materials lawfully.
- B. Site: Maintain Project site free of waste materials and debris.
- C. Work Areas: Clean areas where work is in progress to the level of cleanliness necessary for proper execution of the Work.

3.6 PROTECTION OF INSTALLED CONSTRUCTION

- A. Provide final protection and maintain conditions that ensure installed Work is without damage or deterioration at time of Substantial Completion.
- B. Protection of Existing Items: Provide protection and ensure that existing items to remain undisturbed by construction are maintained in condition that existed at commencement of the Work.

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

EXECUTION
017300

This page intentionally left blank

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

CLOSEOUT PROCEDURES
017700

SECTION 017700 - CLOSEOUT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for contract closeout.

1.2 CLOSEOUT SUBMITTALS

- A. Certificates of Release: From authorities having jurisdiction.
- B. Certificate of Insurance: For continuing coverage.

1.3 FINAL COMPLETION PROCEDURES

- A. Inspection: Submit a written request for final inspection to determine acceptance a minimum of 10 days prior to date the work will be completed and ready for final inspection and tests. On receipt of request, Architect will either proceed with inspection or notify Contractor of unfulfilled requirements. Architect will prepare a final Certificate for Payment after inspection or will notify Contractor of construction that must be completed or corrected before certificate will be issued.

1.4 SUBMITTAL OF PROJECT WARRANTIES

- A. Time of Submittal: Submit written warranties on request of Architect for designated portions of the Work where warranties are indicated to commence on dates other than date of Substantial Completion, or when delay in submittal of warranties might limit Owner's rights under warranty.

PART 2 - PRODUCTS

PART 3 - EXECUTION

3.1 FINAL CLEANING

- A. General: Perform final cleaning. Conduct cleaning and waste-removal operations to comply with local laws and ordinances and Federal and local environmental and antipollution regulations.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

CLOSEOUT PROCEDURES
017700

- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to condition expected in an average commercial building cleaning and maintenance program. Comply with manufacturer's written instructions.
 - 1. Complete the following cleaning operations before requesting inspection for certification of Substantial Completion for entire Project or for a designated portion of Project:
 - a. Clean Project site, yard, and grounds, in areas disturbed by construction activities, including landscape development areas, of rubbish, waste material, litter, and other foreign substances.
 - b. Clean exposed exterior and interior hard-surfaced finishes to a dirt-free condition, free of stains, films, and similar foreign substances. Avoid disturbing natural weathering of exterior surfaces. Restore reflective surfaces to their original condition.
 - c. Remove debris and surface dust from limited access spaces, including roofs, plenums, shafts, trenches, equipment vaults, manholes, attics, and similar spaces.
 - d. Clean plumbing fixtures to a sanitary condition, free of stains, including stains resulting from water exposure.
 - e. Clean light fixtures, lamps, globes, and reflectors to function with full efficiency.
 - f. Leave Project clean and ready for occupancy.

3.2 REPAIR OF THE WORK

- A. Complete repair and restoration operations, before requesting inspection for determination of Substantial Completion.
- B. Repair, or remove and replace, defective construction. Repairing includes replacing defective parts, refinishing damaged surfaces, touching up with matching materials, and properly adjusting operating equipment. Where damaged or worn items cannot be repaired or restored, provide replacements. Remove and replace operating components that cannot be repaired. Restore damaged construction and permanent facilities used during construction to specified condition.

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT RECORD DOCUMENTS
017839

SECTION 017839 - PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents.

1.2 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
 - 1. Content: Types of items requiring marking include, but are not limited to, the following:
 - a. Dimensional changes to Drawings.
 - b. Depths of foundations.
 - c. Locations and depths of underground utilities.
 - d. Changes made by Change Order or Change Directive.
 - e. Changes made following Architect's written orders.
 - 2. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

1.3 MAINTENANCE OF RECORD DOCUMENTS

- A. Maintenance of Record Documents: Store record documents in the field office apart from the Contract Documents used for construction. Do not use project record documents for construction purposes. Maintain record documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to project record documents for Architect's reference during normal working hours.

PART 2 - PRODUCTS

PART 3 - EXECUTION

END OF SECTION

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PROJECT RECORD DOCUMENTS
017839

This page intentionally left blank

SECTION 13000 - PREFABRICATED RESTROOM BUILDING

A. General, Specifications and Clarification of Prefabricated Building and Site Installation

1. This portion of the bid specifications does not follow the CSI standard format as the prefabricated structure in this bid is an off-site constructed "product" and not "typical" general construction.
2. The installation of the product on-site is general construction which must be coordinated between the owner or their general contractor and the supplier. Specifications for the building foundation/pad shall be provided herein by the specified design/build supplier. Due to the responsibility of the specified building supplier for architecture, engineering and a five-year warranty, the site pad/foundation must meet the suppliers design so the pad and building can be considered from a single source for warranty purposes. The supplier must accept the pad and compactions tests before they take responsibility for the entire system under their warranty.

B. Architectural Design/Engineering and Insurance Responsibility

1. While the City has provided bid specifications and a design for the building, the building design/build supplier remains legally responsible for architecture, engineering, and all applicable building, safety, health, fire, and accessibility code compliance. Since they hold professional design responsibility to the owner, the building supplier must furnish certification that they provide product liability insurance in the amounts required by the general specifications to cover property damage and personal injury. Final drawings shall be stamped by an Oklahoma engineer.

C. Errors and Omissions Insurance

1. The building design/build supplier must also provide an additional Professional Architectural and Engineering Errors and Omissions insurance, in the minimum amount of \$2,000,000, to cover claims against the owner or their general contractor for State and Federal ADA handicapped accessibility and other design/engineering code issues. This Errors and Omission Policy must remain in effect for 5 years from the completion and owner acceptance of the project. Products liability insurance (since it does not cover professional design responsibility only) will be insufficient for this bid and will be cause for rejection of the bidder.

D. Insurance for the Building off site, while in transit, and/or on site until turn over and final owner acceptance

1. The supplier may request invoicing for a percentage of building completion in-plant, monthly. Under UCC law, this means that the supplier is turning over responsibility for the portion invoiced to the owner yet the building will not be on the owner's property and may not be covered by the owners insurance. Therefore, the building supplier must provide a separate insurance policy insuring the owner and their general contractor as additionally insured for liability, damage and/or vandalism to the building while in the manufacturing facility, while in transit, and/or while in storage at a certified bonded storage facility or at the final project site for up to \$200,000 for each prefabricated building module, until the building is final accepted by owner.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

E. General Contractor Coordination with Design/Build Supplier

1. The specified prefabricated public restroom building requires coordination between the general contractor (who prepares the site pad and delivery access for the prefabricated storage building) and the prefabricated restroom building supplier (who completes the architectural design, engineering, off-site building construction, delivery and installation on site.) The specified prefabricated
2. Restroom building specifications include unique components/systems which are custom to the restroom building supplier. Since the restroom supplier is responsible for design, additional insurance requirements for errors and omissions are required.

F. General Contractor, General Scope of Work

1. The owner or their general contractor for this project is responsible for the site survey and staking the building location, finished slab survey elevations and marking on site, construction and compaction of the required building pad; access to the site for a large crane and tractor trailers delivering the prefabricated building; providing water, sewer, and power at a point of connection (POC) within 6 feet of the building and at the depth required by the building subcontractor and local code; and the installation of any sidewalks outside the building footprint.
2. The owner or their general contractor is responsible for verification to the building subcontractor design/build firm that there are no unanticipated site delivery issues such as overhead wires, trees, tree roots, or existing grade changes and that prevent a clear path of travel between a roadway and the final site exists for a tractor trailer and crane to expedite delivery. The design/build supplier requires that the owner or their general contractor certify that the required delivery crane must be able to set the building module/modules within 35' distance from the center of the building to the center of the crane hoist.

G. Supplier/Prefabricated Restroom Building, General Scope of Work

1. The prefabricated restroom building specialist will provide to the owner or their general contractor final building design architectural drawings and engineering calculations under the responsibility of a licensed structural engineer, in compliance with all local, state and federal codes. The design/build supplier shall construct the building offsite as a permanently relocatable building, transport it to the final required destination, and install the building turnkey, (to 6' from the building footprint) on general contractor prepared pad per the drawings included in this bid.

H. Licensing

1. The supplier must comply with all the State of Oklahoma requirements.

I. Bid Standard for the Prefabricated Restroom Building

1. The City of Bethany understands that there are several firms who design and build various types of prefabricated public restroom buildings in varying quality and architectural styles, using similar or different construction methods and materials. For the purpose of this project, the owner has selected:

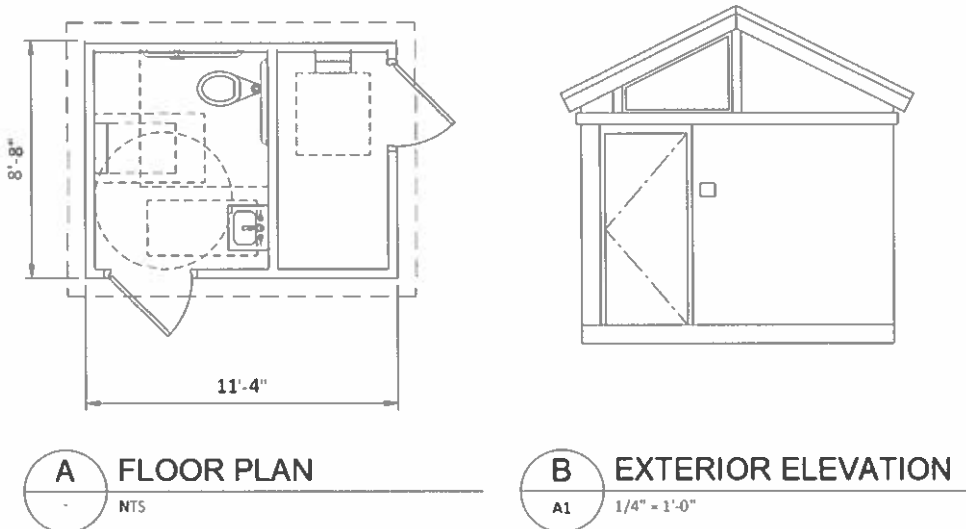
CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

Public Restroom Company, 2587 Business Parkway, Minden, Nevada, 89423 and specifies herein that this firm is the standard for architectural design, safety, green design, code compliance, and site-specific compatibility. Public Restroom Company is the standard of building performance and quality for the 50-year building design-life with low maintenance based upon the longevity of the materials selected.

Contact: Mike Earle, Regional Sales Manager Phone: 888-888-2060 ext. 126
Email: Mike@PublicRestroomCompany.com
Web: www.publicrestroomcompany.com

2. Plan and Elevation: PS-011



J. "Or Equal Restroom Design/Build Suppliers"

1. The City of Bethany may also allow other firms to become qualified to bid but any firms so authorized to bid must comply with the bid specifications and plans or be subject to post bid rejection.

2. In order to provide full and open competition, other firms may request approval as "or equal." The following items must be provided in accordance with substitution requirements outlined in the project specifications. Failure to supply these items will result in bid rejection.

- a) Or Equal applicant shall provide with their bid submission, scaled floor plans and elevations, to show general architectural design criteria is met.
- b) Or Equal applicant shall provide with their bid submission, a written list of each and every deviation from the published bid specifications/plans. Lack of specificity to each deviation from the bid specifications will be cause for rejection.
- c) Or Equal applicant shall provide with their bid submission, manufacturer's certification of test compliance from a national independent testing laboratory to

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

support the claim for absorption resistance of the slab type that will be used in their proposed restroom. Or Equal applicant must provide a list of every building they designed and built over the last 3 years utilizing the same building

materials/systems design criteria as published in this bid. Provide date of building bid, date of completion, and most knowledgeable owner contact.

d) Or Equal applicant shall provide certification of the special insurance required in this bid.

e) Or Equal applicant shall be responsible for and bear all cost for architecture, plan checks, design and structural engineering and all fees in obtaining approvals and permits from applicable agencies.

3. Precast Concrete Structures will not be accepted.

4. The City of Bethany or their consultant will be solely responsible for the decision to accept or reject the "or equal" submission.

K. Certificate of Off-site Inspection and Construction Compliance, Provision for Maintenance Manuals, and Warranty

1. The off-site restroom construction requires that a licensed third-party inspection firm provide the owner and the local building official with certification and compliance for the building with the approved plans and specifications. A certificate of compliance shall be issued by this inspector to the local building official to provide certification that the building meets and or exceeds the approved plans and applicable codes.

2. At the project conclusion, the building supplier shall furnish one complete maintenance manual including a trouble shooting guide, and a five (5) year warranty to the owner or general contractor.

L. Site Scope of Work by Owner or Their General Contractor

The general contractor shall prepare the restroom building sub grade pad to receive the prefabricated building in accordance with the bid drawings.

1. The building pad shall be excavated to 14" deep from the final building concrete slab elevation in accordance with the drawing titled "foundation pad design."

2. The building pad shall meet a 90% compaction in lifts using class II base for the first four inches and coarse sand for the last two inches of the pad, leaving the finished sub grade pad elevation at finished floor, minus 8".

3. The general contractor shall provide water point of service at 30" below finished building slab; sewer at 24" below the finished building slab; and electrical at 36" below the finished building slab or other per bid plans.

4. The general contractor shall coordinate with restroom supplier to provide full site delivery access for a 70' tractor-trailer and hydro crane to the final building site.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

5. If the final site access is over existing sidewalks, utilities, or landscaping, the owner or their general contractor shall be responsible for plating and or tree trimming, utility line removal, or other to protect any existing conditions.
6. The hydro crane must be able to locate no greater than 35' from the center point of the building to the center point of the crane.
7. The utilities shall be furnished per bid site plans at specified points of connection (POC) nominally 6' from the building line.
8. The general contractor shall furnish and install final grading, landscaping and sidewalks.

M. Connection to Utilities

1. The restroom subcontractor will furnish Electrical, Water, and Sewer at the proper POINT OF CONNECTION AND AT THE PROPER ELEVATION BELOW GRADE, for this project. Restroom subcontractor shall provide final hook up of the water from building to POC; sewer hookup to POC; and electrical sleeve from building panel to POC only. Final utility connections shall be by the general contractor, or others. The general contractor shall flush the water lines thoroughly before making final water connection to the building.

N. Concrete Slab, Required Independent Testing Laboratory Certification

1. The prefabricated building slab special concrete technology claims to be water and urine resistant for life due to special additive technology. The building subcontractor must furnish a test certification of compliance from a national independent testing laboratory to support the claim for absorption resistance. The written report must state the concrete compressive and absorption per ASTM standard #C642 and #C39 respectively. Since this non-absorbency capability is so significant, the design/build subcontractor must provide a general certification of compliance with the above standards.

O. Prefabricated Restroom Building

1. The City of Bethany has evaluated several prefabricated restroom building suppliers. This bid requires such a building be used in lieu of site built traditional construction because of the unique built-in advantages guaranteed by the design/build firm. This technology includes many new innovations such as non- absorbent concrete; anti-microbial components to reduce health risks; built in vandal resistance design; lowered maintenance and long-term warranties that reduce owner risk for failure. The specifications below are written around this new technology.

P. Mat Engineered Concrete Building Slab/Foundation

1. The mat engineered 8" thick slab/foundation shall be engineered and constructed to withstand the transportation weight of the building without cracking and to resist absorption from any liquids deposited on the surface. The concrete slab shall be constructed inside a steel angle curb, reinforced with dual mats (tension and

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

compression,) and poured with a custom concrete formula with special admixtures to create a finished slab that is waterproof for life.

2. Perimeter Steel Curb: 5/16" 50,000 kip steel 6" X 6" welded continuous angle.

3. Rebar Steel Mat: Two layers of 40,000 tensile steel rebar in varying sizes per engineers requirements, including a perimeter structural continuous grade beam design inside the exterior steel angle and at any other location deemed by the engineer of record as required for the use intended. In coastal locations or when required for corrosion resistance rebar shall be epoxy coated or fiberglass to resist permanent corrosion. Rebar mats shall be wire tied to code with a minimum of three turns of the wire and overlaps shall be minimum of 15 diameters for any connection.

4. All slab openings shall be surrounded with two layers of steel collars as required by the engineer of record to stop corner cracking and to reinforce the openings for lifting.

5. 1" thick by 3" minimum length threaded nuts shall be welded to the steel perimeter frame with continuous ¼" fillet welds. Nuts shall be welded to common steel plates per the engineer of records design and attached to the interior steel rebar structural mats.

6. The engineer of record shall provide lifting locations with sufficient reinforcement to allow the safe lifting of the entire designed weight of the structure with dual 1" steel bolts and washers at each lifting location. The number of lifting locations with each location fitted with removable ¾" 8" X 8" 50,000 tensile strength steel angles shall be determined by the engineer of record.

7. The slab shall be poured over a 1" thick steel plate table. The concrete mix design shall not exceed a 3" slump and shall be stinger vibrated for maximum consolidation. All floors shall slope to any floor drains within each room and if no floor drain is present the floor should not slope. The surface shall be a very light broom that should meet a coefficient of friction on the surface of .06. Birdbaths shall be cause for rejection.

8. The steel perimeter angle will remain below the concrete surface by nominal two inches to prevent corrosion. After the site concrete sidewalks are poured, the joint shall be full flow sealed with self-leveling grey urethane caulk to prevent penetration of water into the joint.

9. The building shall be designed for future relocation and shall provide protection for the lifting openings in the mat slab so that the threaded openings will be available for future use if needed.

10. The building system shall be designed for placement on an owner or their general contractor site prepared class 2 building pad/and or footings as required by code, per the bid drawings, suitable for 1500 pounds soil bearing capacity minimum. Any soils survey (if necessary) shall be by owner or engineer of record.

Q. Exterior & Interior Masonry Block Walls

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

1. The exterior walls shall be 4" thickness per State of Oklahoma codes or engineering for wind and seismic. The interior walls shall be 4" block to ceiling height.

2. The 8" mat engineered concrete slab shall be cured a minimum of 7 days. Holes for vertical dowels shall be drilled into the mat engineered slab avoiding any grade beams or other structural reinforcement. Once the holes are drilled, blow out the remaining material and using two-part structural epoxy, wet set the #3 or #4 vertical rebar (as specified on the engineering calculations into holes drilled to the depth per the engineer of record requirements. Each rebar shall be held vertical to allow equal epoxy support to each dowel during the drying period. Engineering calculations require that rebar shall be installed in each concrete block center void or every block hole. The engineered uplift on each rebar shall be sufficient to restrain any load imposed on the masonry block wall for vertical rebar pull out from the concrete mat engineered slab.

3. The block walls shall be nominal 8" x 16" CMU. The building corners shall have special corner return block that matches the exterior finish and creates a uniform appearance. All 4" CMU shall be custom fabricated with an enlarged interior hole for placement of the grout and vertical rebar.

R. Roof System

1. The roof structure shall be 26-gauge standing seam metal with 12" striations and ice/water shield. The rake and fascia shall be 2x6 kiln dried SPF wrapped with 16-gauge formed steel.

2. Roof shall be designed per plans to reduce vandals climbing on roof and to obtain proper ventilation size openings for the gables to provide fan-free ventilation.

3. The restroom ventilation screens shall be attached to the truss frames and non-removable by vandals.

S. Interior Wall Finish

1. Interior wall finish to cap beam shall be precision CMU block masonry walls smoothed to a pebble grain finish with 2-4 mil layers of 7-day curing block fillers and painted with two additional 4 mil layers of industrial high solids (color selected by client) industrial grade enamel. Above cap beam shall be painted OSB.

T. Exterior Wall Finish, Masonry and Gable

1. The building exterior shall have 4" CMU block with cultured stone to cap beam. Above cap beam shall be tube steel with horizontal allure painted cedar mill lap siding trim. The alcove back wall shall be precision CMU painted. The exterior shall be painted with two layers of industrial high solids, semi-gloss enamel to a 4-mil thickness. Colors to be selected by Owner.

U. Doors and Gates

1. The restroom entry doors shall be 7'-0" high, custom fabricated, 14-gauge steel; reinforced with concealed 14-gauge steel ribs welded at 6" intervals on each face; reinforced with a welded plate for door closer mounting; hung on a single continuous, 1

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

million cycle, aluminum gear hinge with stainless steel vandal resistant screws at nominal 4" on center. The doors shall weigh nominally 176 lbs. each for a 36" X 84" door. Custom fabricated 14-gauge steel door jambs with 4" steel heads shall be welded to the steel cap beam and be solid filled with 3000 psi masonry grout mix.

2. All entry doors shall have a 1/8" thick plate stainless steel "Z-shaped" anti-microbial pull handles with integral latch guard and Schlage B-600 series commercial series dead bolts with large format temporary construction core and Securitron Magnetic Locking SAM System with Piezo Exit Switch SDC 4630.

3. The door closer (restroom entry doors only) shall be "LCN" heavy duty #4210 Series, fastened to a structural reinforced door plate per door manufacturer design. Stainless steel vandal resistant fasteners shall be used on all hardware.

V. Specialties

All specialty washroom equipment shall be commercial grade stainless steel fastened securely to walls with vandal resistant stainless-steel screws to avoid removal by vandals as follows:

1. Toilet paper holder shall be a covered three-roll, 18-gauge stainless steel. Toilet paper holders shall be attached to block walls with 4 epoxy bedded vandal resistant stainless-steel fasteners.

2. Stainless steel grab bars to code shall be 1 1/4" minimum exposed fastener vandal resistant design and installed at each accessible water closet.

3. Cast Aluminum ADA compliant signs shall be mounted as required on exterior siding. Signs shall have raised pointed Braille tips and shall be blind secured with epoxy adhesive and stainless-steel fasteners.

4. Baby Changing Stations: Foundations Horizontal #5410339

5. Hand Dryer: Dyson Airblade V, nickel finish, mounted adjacent to lavatories

6. Soap Dispenser shall be a stainless steel thru wall nozzle with remote reservoir located in the mechanical chase.

W. Plumbing

1. Building shall be fully compliant with the following codes:

- a.) All applicable State of Oklahoma Building Codes. Latest edition applicable.
- b.) Oklahoma Plumbing Code. Latest edition applicable.

2. GENERAL: All components and fabrications shall be designed to reduce life cycle maintenance, be compatible with current maintenance spare parts, and shall be listed in a spare parts/maintenance manual delivered in utility chase of building.

3. WATER PIPING: Shall be type L copper above grade and type K with silver solder below grade. All water piping shall be designed and constructed with high and low point drain fittings. All piping shall be mounted on Uni-strut wall brackets with neoprene isolators, to code.

4. WATER PRESSURE GAUGE/VALVE COMBO: install two commercial grade industrial water pressure gauges, isolation ball valves, 10-micron water filter with clear canister and check valve.

5. PLUMBING FAUCETS, ISOLATION VALVES AND ACTUATORS: All except those with flush valves shall be isolated with ball valves for each fixture, concealed lever flush valves, and metered push-button type lavatory faucets.

6. DWV PIPING: DWV piping shall be concealed behind the wall. DWV piping shall be PVC DWV, solvent welded, for all concealed piping. A cast iron no hub DWV vent pipe with a cast iron roof mounted vandal cap vent shall be required, through the roof.

7. REMOVABLE PIPE TRAPS: All floor drain, sink drain, and waste traps shall be removable for maintenance. Floor drains shall be trapped behind the wall in the utility chase using a combination waste and vent system. Floor drains shall be increased two pipe sizes over standard to allow code use. All surface mounted utility chase piping shall be mounted on Uni-strut with plastic isolators to code. Sink drain traps shall be concealed behind the utility chase walls where maintenance staff can access all plumbing.

8. PLUMBING FIXTURES: Plumbing fixtures shall be stainless steel manufactured by Acorn. Toilets shall be wall hung, rear discharge, with Lever flush valves. Toilet seats shall be black solid core plastic, non-flammable construction with continuous stainless steel concealed self-checking hinges. Lavatories shall have concealed remote traps behind the mechanical wall. Schedule of fixtures:

- a.) Water Closets: Acorn 1675 W-1-HET 316SS
- b.) Water Closet Flush Valve: Zurn Z6143AV-HET-7L-BG
- c.) Lavatories: Acorn 1652LRB-1-DMS-03M-316SS
- d.) Lavatory Faucet: Chicago Metered 333-E2805-665PSHABCP

9. FLOOR GRATES: Removable 350 lbs. per square foot pultruded fiberglass non-skid floor grates shall be installed over every opening in the utility chase for OSHA protection/compliance.

10. HOSE BIB: There shall be one Acorn 8121 LF hose bib provided in the utility chase.

11. HOSE REEL: One commercial grade hose reel with capacity for 75' X 3/4" commercial heavy-duty hose and nozzle shall be hung in mechanical room for cleaning of restrooms. One 75' x 3/4" commercial hose shall be furnished.

X. Electrical

1. GENERAL: Electrical system and components shall be commercial grade or better and piping conduits shall be installed on commercial Uni-strut wall hangers. Interior and exterior electrical lighting fixtures in public areas shall provide lifetime manufacturer's warranty.

CITY OF BETHANY
GO BOND PROP 2-F
CECIL MENDENALL PARK RESTROOM

PREFABRICATED RESTROOM BUILDING
130000

2. PANEL/WIRING: One 100-amp, single-phase, 20 circuit, main industrial grade Panel Board, Square "D" QO series, shall be mounted in the utility chase in the restroom building. All breakers shall be plug-on type, minimum 10,000 A.I.C. RMS (Sym) at 120/240 vac. Wiring shall be stranded copper wire #12 min in EMT piping with screw fittings.

3. PIPING: All piping shall be surface mounted to the masonry block walls with minimum of 2" fastener penetration. EMT conduit shall be compression type. Main panel shall maintain a 30" X 36" safety code required clear space, floor to 6' above finished floor.

4. EXTERIOR LIGHTING: Luminaire AEL12-10W-120-4000K-DP-BZH, 10watt LED, dark sky complaint, vandal resistant fixtures shall be installed per plans.

5. INTERIOR LIGHTING: Luminaire SWP1212, 15 watt, LED, vandal resistant high-impact polycarbonate lens fixtures shall be installed in the restrooms per plans (one in each restroom) and shall have integral occupancy sensors. The utility chase shall have one (1), 4' double-tube LED fixture, suitable for wet locations, with a Occupancy sensor switch at door entry. LIGHTING CONTROL: All exterior restroom lighting shall be controlled by a photo- cell mounted 8' high on the exterior utility chase/restroom wall. Two (2) bypass switches shall be located in the utility chase (one for interior lighting and one for exterior lighting), so maintenance staff can check operation during daylight hours. Integral occupancy sensors shall control the interior lighting.

6. ELECTRICAL OUTLETS: (1) commercial spec grade dedicated GFCI in the utility chase, per plans.

7. WATER HEATER: Shall be Steibel-Eltron DHC-E8, located in the utility chase, one for each lavatory (Qty. 1). The water to the lavatories shall be tempered.

Y. Shipping Protection

The building, while traveling over roads to the destination may encounter inclement weather or road grime that could require substantial cleaning when it arrives on site. The building shall be shrink-wrapped before transportation and sufficiently strong to arrive at the owner site intact for exterior finish protection. Materials removed on site shall be disposed of and recycled by restroom building install staff.

Z. Certifications

The local building authority shall provide site inspections for the underground mechanical piping and final connections, footings, and access issues outside the restroom footprint. Restroom building subcontractor shall also furnish 5-year warranty, certifications for the concrete slab specification compliance, and maintenance manuals for the building and components.

**SECTION 32 3113
CHAIN-LINK FENCES AND GATES**

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Chain-Link Fences: Residential.
 - 2. Gates: None.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Show locations, components, materials, dimensions, sizes, weights, and finishes of components. Include plans, sections, details of post anchorage, attachment, bracing, and other required installation and operational clearances.
- C. Samples:
 - 1. Polymer-coated steel wire for fabric.
 - 2. Polymer coating on framing and accessories.
- D. Maintenance Data: For polymer finishes.

1.3 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
- B. UL Standard: Provide gate operators that comply with UL 325.
- C. Emergency Access Requirements: Comply with requirements of authorities having jurisdiction for automatic gate operators serving as a required means of access.

PART 2 - PRODUCTS

2.1 CHAIN-LINK FENCE FABRIC

- A. General: Height indicated on Drawings. Comply with ASTM A 392, CLFMI CLF 2445, and requirements indicated below:
 - 1. Steel Wire Fabric: Polymer-coated wire with a diameter of 0.148 inch.
 - a. Mesh Size: 2 inches.
 - b. Polymer Coating: ASTM D 668, Class 1 over metallic-coated steel wire.
 - 1) Color: Black, complying with ASTM F 934.
 - 2. Selvage: Knuckled at both selvages.

2.2 RESIDENTIAL FENCE AND GATE FRAMING

- A. Posts and Rails: Round:
 - 1. Fence Height: 4 feet.
 - 2. Duty Rating: Heavy.
 - 3. Tube or Pipe Diameter and Thickness: According to ASTM F 761.
 - 4. Tube Size and Thickness: According to ASTM F 654.
 - 5. Metallic-Coated Steel: Posts, rails, and frames protected with an external coating of not less than 0.6 oz. of zinc/sq. ft., a chromate conversion coating, and a clear, verifiable polymer film; with an internal protective coating of not less than 0.6 oz. of zinc/sq. ft. or 81 percent, not less than 0.3-mil-thick, zinc pigmented coating.

2.3 TENSION WIRE

- A. General: Provide horizontal tension wire at bottom of fence fabric.
- B. Metallic-Coated Steel Wire: 0.177-inch diameter, marcelled tension wire complying with ASTM A 817 and ASTM A 824.
 - 1. Metallic Coating: Type III, Zn-5-Al-MM alloy.

2.4 FITTINGS

- A. General: Comply with ASTM F 626.
- B. Finish:
 - 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz. /sq. ft. zinc.
 - 2. Aluminum: Mill finish.

2.5 CAST-IN-PLACE CONCRETE

- A. Materials: Portland cement complying with ASTM C 150, Type I aggregates complying with ASTM C 33, and potable water.
 - 1. Concrete Mixes: Normal-weight concrete air entrained with not less than 3000-psi compressive strength (28 days), 3-inch slump, and 1-inch maximum size aggregate.

2.6 POLYMER FINISHES

- A. Supplemental Color Coating: In addition to specified metallic coatings for steel, provide fence components with polymer coating.
- B. Metallic-Coated Steel Tension Wire: PVC-coated wire complying with ASTM F 1664, Class 1.
- C. Metallic-Coated Steel Framing and Fittings: Comply with ASTM F 626 and ASTM F 1043 for polymer coating applied to exterior surfaces and, except inside cap shapes, to exposed interior surfaces.
- D. Color: Black, complying with ASTM F 934.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install chain-link fencing to comply with ASTM F 567 and more stringent requirements specified.
- B. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- C. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
 - 1. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
- D. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment.
- E. Line Posts: Space line posts uniformly at 8 feet o.c.
- F. Post Bracing and Intermediate Rails: Install according to ASTM F 567. Install braces at end and gate posts and at both sides of corner and pull posts.
- G. Tension Wire: Install according to ASTM F 567, maintaining plumb position and alignment of fencing.
- H. Top Rail: Install according to ASTM F 567.
- I. Chain-Link Fabric: Apply fabric to inside of enclosing framework. Leave 2 inches between finish grade or surface and bottom selvage, unless otherwise indicated.
- J. Tie Wires: Attach wire per ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.
- K. Fasteners: Install nuts for tension bands and carriage bolts on the side of the fence opposite the fabric side.

END OF SECTION

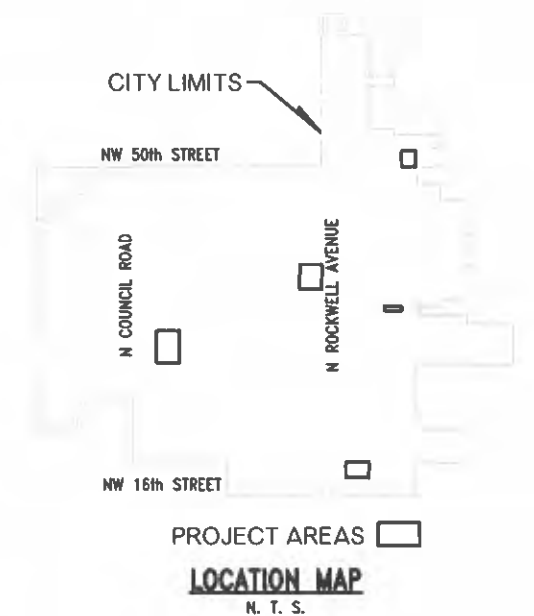


PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS

PREPARED BY



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



The City of BETHANY, OKLAHOMA

NIKKI LLOYD, Mayor
ELIZABETH GRAY, City Manager

COUNCIL MEMBERS:

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

SHEET INDEX

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
0001	TITLE SHEET
AC01	SUMMARY OF PAY QUANTITIES AND NOTES
AC02	LEGEND
A-1 - A-7	.ET424-15 ARCHITECTURAL SHEETS
S2.1 - S4.1	.ET424-15 STRUCTURAL SHEETS
MP-1 - MP-5	.ET424-15 MECHANICAL / PLUMBING SHEETS
E-0 - E-4	.ET424-15 ELECTRICAL SHEETS
CO01 - ERD1	.ET424-14 CIVIL SHEETS
MP-1 - MP-2	.ET424-14 MECHANICAL / PLUMBING SHEETS
E-0 - E-2	.ET424-14 ELECTRICAL SHEETS

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 phone prior to any excavation.

RWS

03-25-2024

ROBERT DON WILLIAMS, P.E.
REGISTERED PROFESSIONAL ENGINEER
CAP 8428 EXPIRES JUNE 30, 2025

17893

DATE



APPROVED BY:

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

RWS

03-25-2024

ROBERT DON WILLIAMS, P.E.
CITY ENGINEER

DATE

PROP 2 - Summary of Pay Quantities						
Item Number		Title	Pay Item Notes	Description	Quantity	Unit
1	PROP 2-A	ELDON LYON RESTROOM IMPROVEMENTS (EAST)	1, 10	BASE BID	1.00	lump sum
2	PROP 2-A	ELDON LYON RESTROOM IMPROVEMENTS (WEST)	1, 10	BASE BID	1.00	lump sum
3	PROP 2-B	GARRISON PARK RESTROOM IMPROVEMENTS	2, 10	BASE BID	1.00	lump sum
4	PROP 2-C	MACRORY PARK RESTROOM IMPROVEMENTS	3, 10	BASE BID	1.00	lump sum
5	PROP 2-D	RIPPER PARK RESTROOM IMPROVEMENTS	4, 10	BASE BID	1.00	lump sum
6	PROP 2-F	CECIL MENDENALL PARK RESTROOM FACILITY	5, 10	BASE BID	1.00	lump sum
7	PROP 2-A	ELDON LYON PARK RESTROOM ROOF REPLACEMENT (EAST)	6, 10	ALTERNATE 1A	1.00	lump sum
8	PROP 2-A	ELDON LYON PARK RESTROOM ROOF REPLACEMENT (WEST)	6, 10	ALTERNATE 1A	1.00	lump sum
9	PROP 2-A	ELDON LYON PARK PAVILION ROOF REPLACEMENT (EAST)	6, 10	ALTERNATE 1B	1.00	lump sum
10	PROP 2-A	ELDON LYON PARK PAVILION ROOF REPLACEMENT (WEST)	6, 10	ALTERNATE 1B	1.00	lump sum
11	PROP 2-B	GARRISON PARK PAVILION ROOF REPLACEMENT	6, 10	ALTERNATE 2	1.00	lump sum
12	PROP 2-A	ELDON LYON PARK PAVILION (EAST)	7, 10	ALTERNATE 3A	1.00	lump sum
13	PROP 2-A	ELDON LYON PARK PAVILION (WEST)	7, 10	ALTERNATE 3A	1.00	lump sum
14	PROP 2-B	GARRISON PARK PAVILION	8, 10	ALTERNATE 3B	1.00	lump sum
15	PROP 2	PLUMBING FIXTURES	9, 10	ALTERNATE P1	1.00	lump sum

PAY ITEM NOTES

- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-2, A-3, MP-1, MP-3, MP-4, MP-5, E-0, E-2, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-2, A-3, A-4, MP-1, MP-3, MP-4, MP-5, E-0, E-2, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-1, A-3, MP-1, MP-2, MP-4, MP-5, E-0, E-1, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-1, A-3, MP-1, MP-2, MP-4, MP-5, E-0, E-1, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-14 C001 THROUGH C006, D001, D002, ER01, MP-1, MP-2, E-0, E-1, E-2.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-4, MP-1, MP-5, E-0, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-5, A-7, S2.1, S3.1, S4.1, MP-1, MP-5, E-0, E-3, E-4.
- COST TO INCLUDE WORK SHOWN ON SHEETS PROJECT ET424-15 A-6, A-7, S2.1, S3.1, S4.1, MP-1, MP-5, E-0, E-3, E-4.
- REFER TO SHEET PROJECT ET424-15 MP-4 TABLE ALTERNATE P1, THIS IS THE ADDITIONAL COST ABOVE WHAT IS INCLUDED IN BASE BID.
- PAY ITEM NOTES 1 THROUGH 9 ARE PROVIDED FOR CONTRACTORS CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE TO FAMILIARIZE HIMSELF WITH THE PLANS.

REV NO.	DATE	DRWN	CHKD	REMARKS	SCALE: AS SHOWN DATE: MARCH 25TH 2024 DRAWN BY: GIBBS CHECKED BY: R WILLIAMS		THE CITY OF BETHANY PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS	CIVIL SUMMARY OF PAY QUANTITIES AND NOTES		PROP 2 SHEET NO. AC01
---------	------	------	------	---------	---	---	---	---	---	-----------------------------

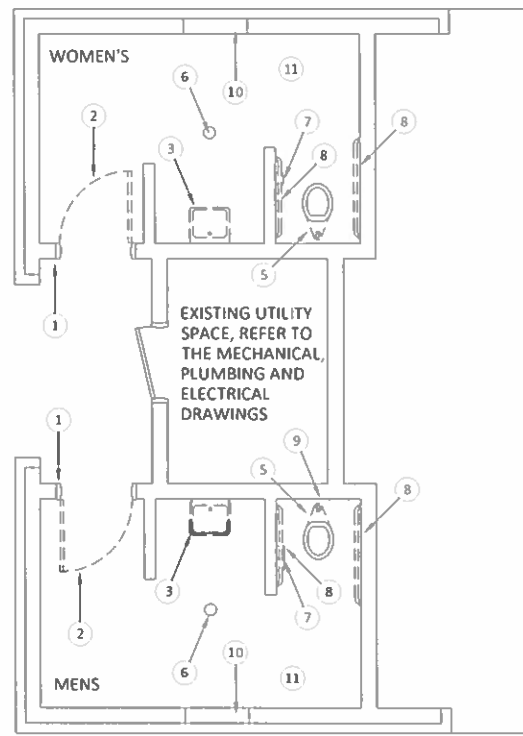
LINETYPE LEGEND

BLOCK LEGEND

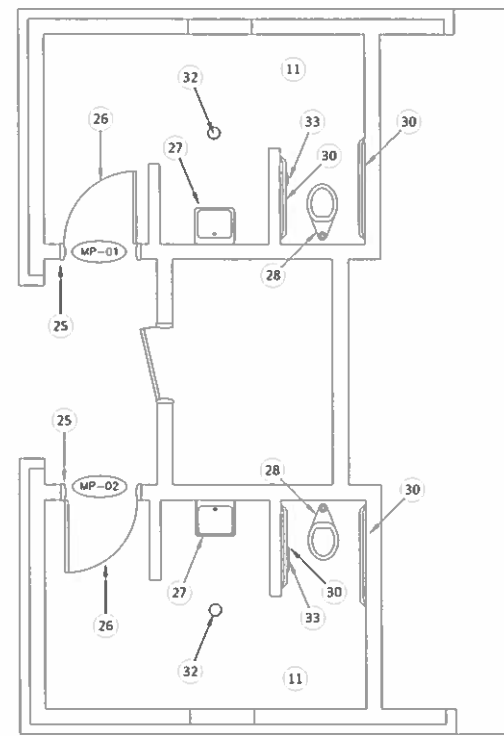
HATCH LEGEND

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

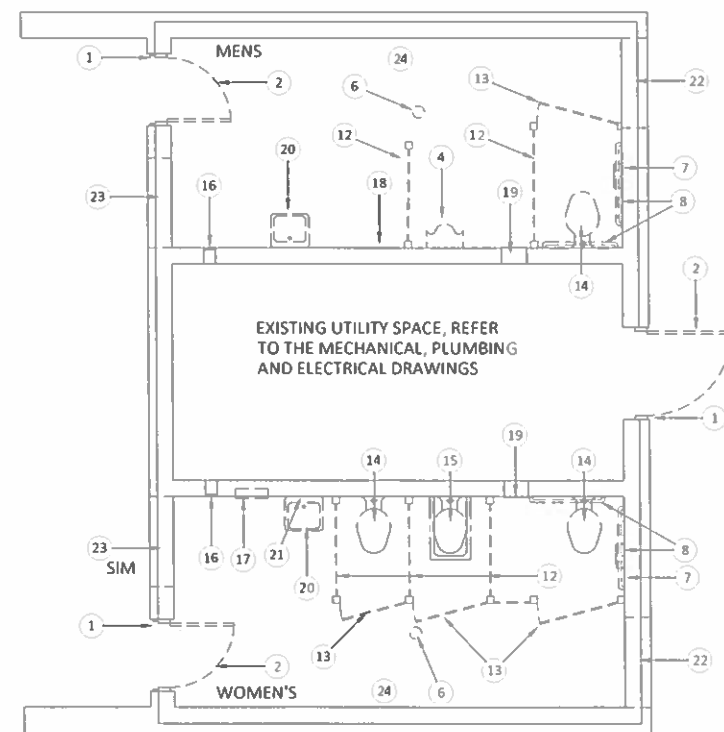
REV NO	DATE	DRWN	CHKD	REMARKS	SCALE AS SHOWN		THE CITY OF BETHANY PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS	GENERAL LEGEND		PROP 2
					DATE MARCH 25TH 2024					SHEET NO. AC02
					DRAWN BY GIBBS					
					CHECKED BY R WILLIAMS					



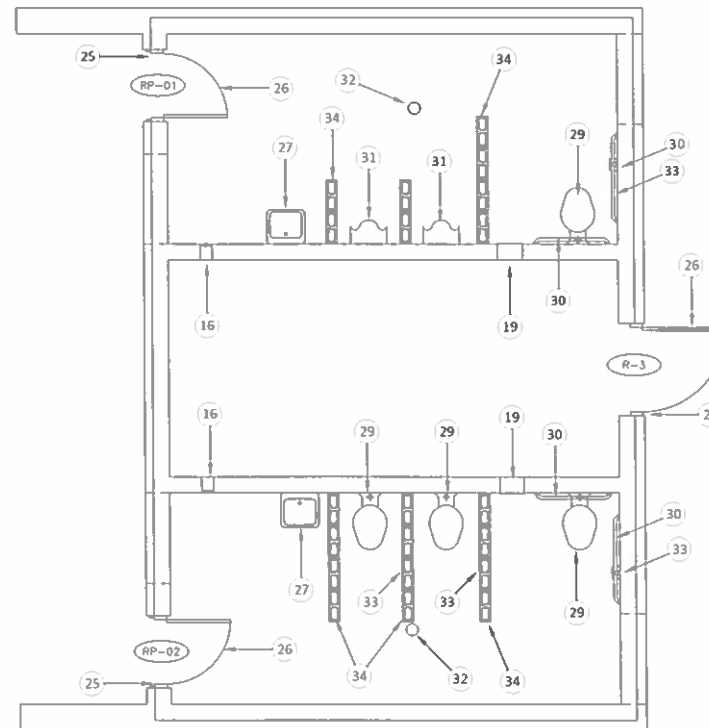
A DEMOLITION PLAN - MACRORY PARK
A-1 1/4" = 1'-0"



B RENOVATION PLAN - MACRORY PARK
A-1 1/4" = 1'-0"



C DEMOLITION PLAN - RIPPER PARK
A-1 1/4" = 1'-0"



D RENOVATION PLAN - RIPPER PARK
A-1 1/4" = 1'-0"

GENERAL NOTES - RESTROOMS FINISHES ONLY:

1. CLEAN AND PREPARE THE RESTROOM FLOORING TO BE REFINISHED. APPLY NEW RESINOUS FLOORING FINISH.
2. REMOVE ALL CEILING AND WALL ATTACHED DEVICES AS IDENTIFIED ON THE MECHANICAL AND ELECTRICAL DRAWINGS.
3. PREPARE THE EXISTING CEILING AND WALL SURFACES, INCLUDING SURFACE REPAIRS, TO RECEIVE NEW PAINT.
4. PAINT ALL CEILINGS, ALL WITH TWO COATS OF SATIN FINISH.
5. PAINT ALL WALLS WITH TWO COATS OF SEMI-GLOSS FINISH.
6. PAINT ALL DOOR FRAMES WITH SEMI-GLOSS FINISH.
7. PAINT ALL DOORS WITH SEMI-GLOSS FINISH.

KEY NOTES: NOTE THAT THESE NOTES APPLY TO ALL RESTROOM RENOVATION PLANS AND ARE INCLUDED ON ALL PLAN SHEETS FOR CONVENIENCE

- 1 REMOVE AND SCRAP THE EXISTING DOOR FRAME AND ANCHORS. REPAIR ANY WALL DAMAGE AND PREPARE FOR NEW DOOR FRAMES AND ANCHORS.
- 2 REMOVE AND SCRAP THE EXISTING DOOR, DOOR HARDWARE AND THRESHOLD.
- 3 REMOVE AND SCRAP THE EXISTING WALL MOUNTED SINK AND HARDWARE. PREPARE FOR REPLACEMENT SINK AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 4 REMOVE AND SCRAP THE EXISTING WALL MOUNTED URINAL AND HARDWARE. PREPARE FOR REPLACEMENT URINAL AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 5 REMOVE AND SCRAP THE EXISTING FLOOR MOUNTED WATER CLOSET AND HARDWARE. PREPARE FOR REPLACEMENT WATER CLOSET AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 6 REMOVE AND SCRAP THE EXISTING FLOOR DRAIN. PROVIDE REPLACEMENT FLOOR DRAIN CONNECTION, FLOOR DRAIN AND GRILL.
- 7 REMOVE AND SCRAP THE EXISTING TOILET PAPER HOLDER(S). REPAIR CMU WALL AS REQUIRED AT MOUNTING HOLES.
- 8 REMOVE AND SCRAP THE EXISTING GRAB BAR.
- 9 REMOVE AND SCRAP THE EXISTING 16" X 16" +/- WALL PLATE AND HARDWARE. INFILL THE WALL OPENING WITH CMU TO MATCH THE ADJACENT CMU.
- 10 EXISTING HIGH WALL VENTED OPENING TO REMAIN.
- 11 EXISTING PLYWOOD CEILING WITH JOINT TRIM AT 8'-6" +/- A.F.F. REPAIR MINOR DAMAGE AS REQUIRED AND REPAINT THE ENTIRE CEILING.
- 12 REMOVE AND SCRAP EXISTING WOOD TOILET PARTITIONS.
- 13 REMOVE AND SCRAP EXISTING WOOD TOILET PARTITION DOORS.
- 14 REMOVE AND SCRAP THE EXISTING WALL MOUNTED WATER CLOSET AND HARDWARE. PREPARE FOR REPLACEMENT WATER CLOSET AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 15 REMOVE AND SCRAP WALL MOUNTED WATER CLOSET AND CONCRETE RISER BASE BELOW. REPAIR ALL DAMAGE TO THE EXISTING CONCRETE FLOOR / WALL TO MATCH ADJACENT SURFACES.
- 16 REMOVE PAINT FROM LOW MOUNTED, KEYED ACCESS PANEL. REPAINT.
- 17 CLEAN AND POLISH THE EXISTING WALL MOUNTED S.S. TRASH RECEPTACLE TO REMAIN.
- 18 REMOVE AND SCRAP URINAL MOUNTING FITTINGS AND HARDWARE. REPAIR WALL FINISH TO MATCH ADJACENT CMU.
- 19 REMOVE AND SCRAP EXISTING 16" X 16" +/- WALL MOUNTED ACCESS PLATE. REPLACE WITH NEW STAINLESS STEEL PLATE.
- 20 REMOVE AND SCRAP THE EXISTING WALL MOUNTED SINK AND HARDWARE. PREPARE FOR REPLACEMENT SINK AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 21 REMOVE AND SCRAP WALL MOUNTED GALVANIZED ACCESS PANEL. REPLACE WITH NEW STAINLESS STEEL PLATE.
- 22 EXISTING HIGH WALL CMU OPENING WITH A METAL WINDOW FRAME. REPLACE THE EXISTING TEMPORARY GLASS REPLACEMENT WITH A STAINLESS STEEL MIRE MESH. PROVIDE A STEEL SECURITY ASSEMBLY TO MATCH THE SOUTHEAST OPENING.
- 23 EXISTING HIGH WALL CMU OPENING WITH WOOD FRAMING AND WIRE MESH INFILL. REPLACE THE WIRE INFILL WITH STAINLESS STEEL MIRE MESH. PROVIDE A STEEL SECURITY ASSEMBLY TO MATCH THE SOUTHEAST OPENING.
- 24 EXISTING TEXTURE ON CONCRETE CEILING AT 8'-2" +/- A.F.F. REMOVE TEXTURE AND REPAINT THE ENTIRE CEILING.
- 25 HOLLOW METAL FRAME, REFER TO SCHEDULE
- 26 DOOR AND HARDWARE, REFER TO SCHEDULE
- 27 WALL MOUNTED SINK AND HARDWARE.
- 28 FLOOR MOUNTED WATER CLOSET AND HARDWARE.
- 29 WALL MOUNTED WATER CLOSET AND HARDWARE.
- 30 STAINLESS STEEL GRAB BARS, MATCH EXISTING DIMENSIONAL LENGTH AND DIAMETERS.
- 31 URINAL AND HARDWARE
- 32 FLOOR DRAIN ASSEMBLY AND GRILL.
- 33 STEEL TOILET PAPER HOLDER WITH BOLT AND PADLOCK, MATCH EXISTING.
- 34 TOILET PARTITION: REINFORCED 6" CMU X 5'-4" HIGH WITH 1-1/2" DIMENSIONAL CMU CAP. PROVIDE HORIZONTAL REINFORCING AT 16" O.C. PROVIDE 1/2" X 4'-0" VERTICAL REINFORCING AT 16" O.C. DRILLED AND SEALED 3" INTO EXISTING CONCRETE FLOORING. GROUT ALL CELLS FULL.
- 35 CLEAN THE EXISTING METAL DECKING CEILING AT 8'-10" TO REMAIN.
- 36 REFER TO SHEET A-4 FOR ADDITIONAL DEMOLITION ITEMS THE RELATED PAVILION ALTERNATE #1
- 37 EXISTING PLYWOOD CEILING WITH JOINT TRIM AT 7'-11-3/4" +/- A.F.F. REPAIR MINOR DAMAGE AS REQUIRED AND REPAINT THE ENTIRE CEILING.
- 38 REMOVE AND SCRAP THE EXISTING PLYWOOD CEILING AND TRIM. REPLACE AND PAINT AFTER THE NEW CHASE WALL IS INSTALLED.
- 39 REMOVE AND SCRAP THE EXISTING CONCRETE MASONRY CHASE WALL (UNKNOWN THICKNESS) AND SCRAP.
- 40 REINFORCED 6" CMU CHASE WALL. PROVIDE HORIZONTAL REINFORCING AT 16" O.C. PROVIDE 1/2" X 9'-0" VERTICAL REINFORCING AT 32" O.C. DRILLED AND SEALED 3" INTO EXISTING CONCRETE FLOORING.
- 41 REMOVE AND SCRAP SOAP DISPENSER. REPAIR WALL AS REQUIRED. REPLACE WITH NEW SOAP DISPENSER TO MATCH.

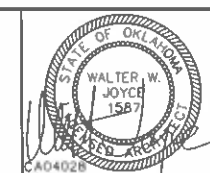
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 3/25/2024
DRAWN BY: WJ
CHECKED BY: WJ

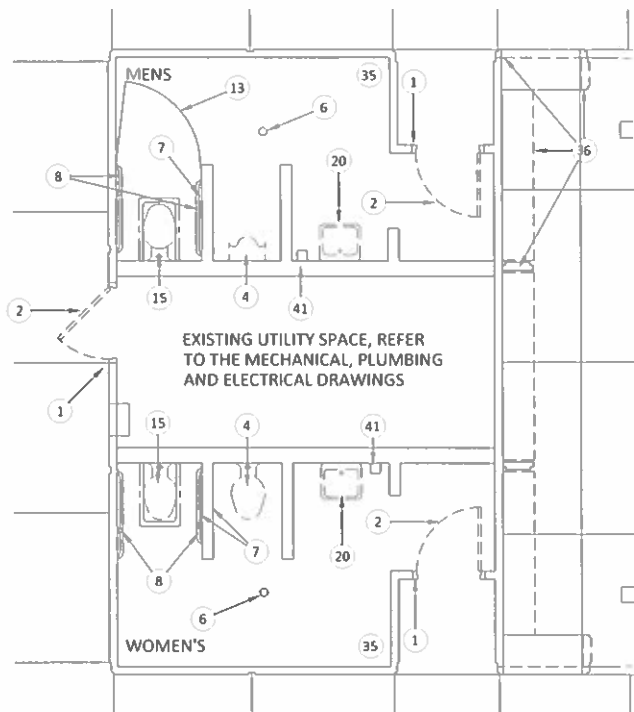


THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

ARCHITECTURE
FLOOR PLANS

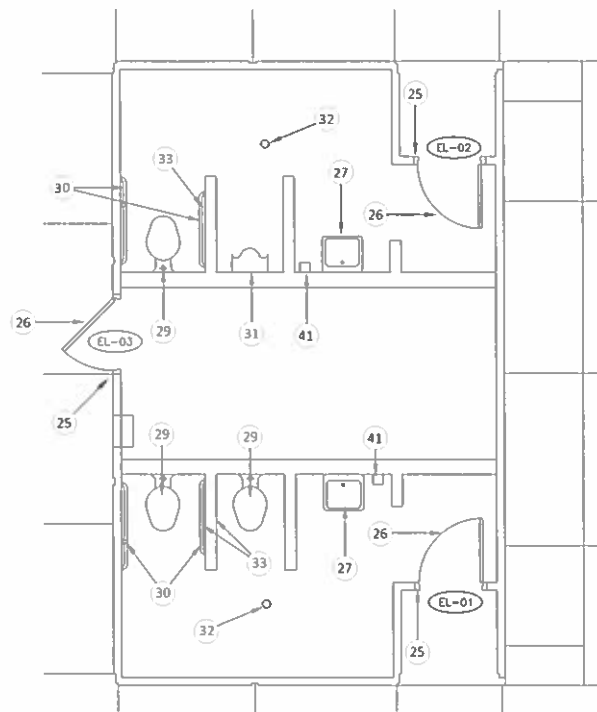


PROJECT ET424-15
SHEET NO. A-1
SHEET 1 OF 7



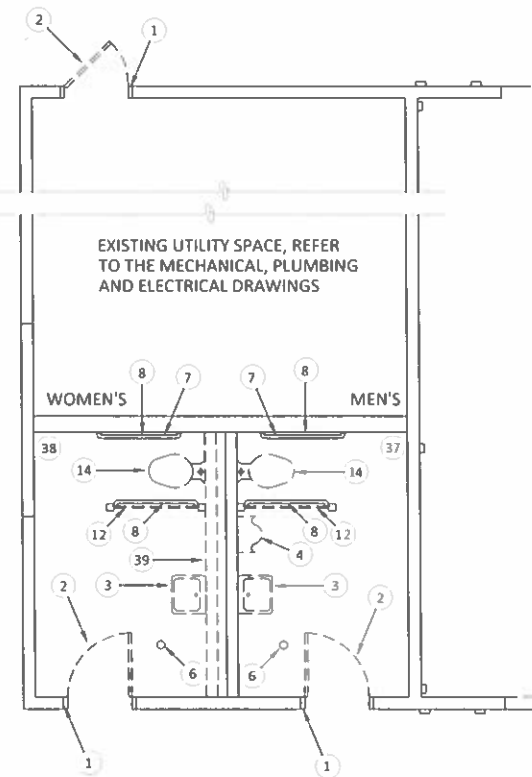
A DEMOLITION PLAN - ELDON LYON

A-2 1/4" = 1'-0"
 2 1 0 2 4



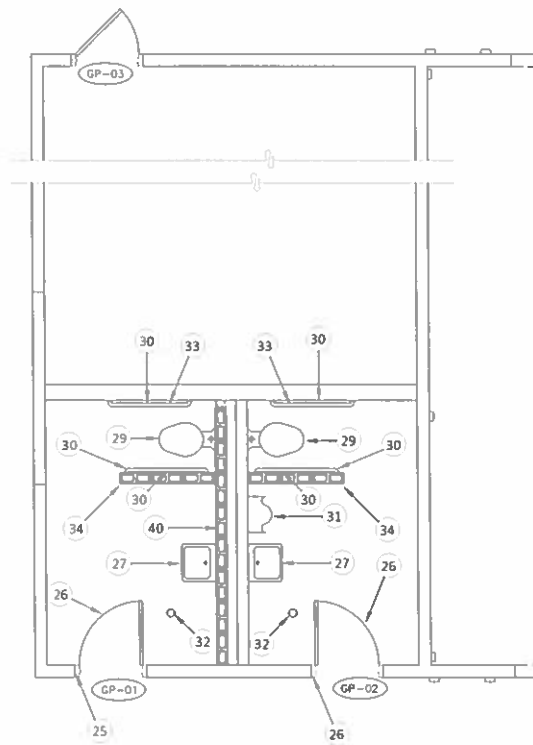
B RENOVATION PLAN - ELDON LYON

A-2 1/4" = 1'-0"
 2 1 0 2 4



C DEMOLITION PLAN - GARRISON PARK

A-2 1/4" = 1'-0"
 2 1 0 2 4



D RENOVATION FLOOR - GARRISON PARK

A-2 1/4" = 1'-0"
 2 1 0 2 4

GENERAL NOTES - RESTROOMS FINISHES ONLY:

1. CLEAN AND PREPARE THE RESTROOM FLOORING TO BE REFINISHED. APPLY NEW RESINOUS FLOORING FINISH.
2. REMOVE ALL CEILING AND WALL ATTACHED DEVICES AS IDENTIFIED ON THE MECHANICAL AND ELECTRICAL DRAWINGS.
3. PREPARE THE EXISTING CEILING AND WALL SURFACES, INCLUDING SURFACE REPAIRS, TO RECEIVE NEW PAINT.
4. PAINT ALL CEILINGS, ALL WITH TWO COATS OF SATIN FINISH.
5. PAINT ALL WALLS WITH TWO COATS OF SEMI-GLOSS FINISH.
6. PAINT ALL DOOR FRAMES WITH SEMI-GLOSS FINISH.
7. PAINT ALL DOORS WITH SEMI-GLOSS FINISH.

KEY NOTES: NOTE THAT THESE NOTES APPLY TO ALL RESTROOM RENOVATION PLANS AND ARE INCLUDED ON ALL PLAN SHEETS FOR CONVENIENCE

- 1 REMOVE AND SCRAP THE EXISTING DOOR FRAME AND ANCHORS. REPAIR ANY WALL DAMAGE AND PREPARE FOR NEW DOOR FRAMES AND ANCHORS.
- 2 REMOVE AND SCRAP THE EXISTING DOOR, DOOR HARDWARE AND THRESHOLD.
- 3 REMOVE AND SCRAP THE EXISTING WALL MOUNTED SINK AND HARDWARE. PREPARE FOR REPLACEMENT SINK AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 4 REMOVE AND SCRAP THE EXISTING WALL MOUNTED URINAL AND HARDWARE. PREPARE FOR REPLACEMENT URINAL AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 5 REMOVE AND SCRAP THE EXISTING FLOOR MOUNTED WATER CLOSET AND HARDWARE. PREPARE FOR REPLACEMENT WATER CLOSET AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 6 REMOVE AND SCRAP THE EXISTING FLOOR DRAIN. PROVIDE REPLACEMENT FLOOR DRAIN CONNECTION, FLOOR DRAIN AND GRILL.
- 7 REMOVE AND SCRAP THE EXISTING TOILET PAPER HOLDER(S). REPAIR CMU WALL AS REQUIRED AT MOUNTING HOLES.
- 8 REMOVE AND SCRAP THE EXISTING GRAB BAR.
- 9 REMOVE AND SCRAP THE EXISTING 16" X 16" +/- WALL PLATE AND HARDWARE. INFILL THE WALL OPENING WITH CMU TO MATCH THE ADJACENT CMU.
- 10 EXISTING HIGH WALL VENTED OPENING TO REMAIN.
- 11 EXISTING PLYWOOD CEILING WITH JOINT TRIM AT 8'-6" +/- A.F.F. REPAIR MINOR DAMAGE AS REQUIRED AND REPAINT THE ENTIRE CEILING.
- 12 REMOVE AND SCRAP EXISTING WOOD TOILET PARTITIONS.
- 13 REMOVE AND SCRAP EXISTING WOOD TOILET PARTITION DOORS.
- 14 REMOVE AND SCRAP THE EXISTING WALL MOUNTED WATER CLOSET AND HARDWARE. PREPARE FOR REPLACEMENT WATER CLOSET AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 15 REMOVE AND SCRAP WALL MOUNTED WATER CLOSET AND CONCRETE RISER BASE BELOW. REPAIR ALL DAMAGE TO THE EXISTING CONCRETE FLOOR / WALL TO MATCH ADJACENT SURFACES.
- 16 REMOVE PAINT FROM LOW MOUNTED, KEYED ACCESS PANEL. REPAINT.
- 17 CLEAN AND POLISH THE EXISTING WALL MOUNTED S.S. TRASH RECEPTACLE TO REMAIN.
- 18 REMOVE AND SCRAP URINAL MOUNTING FITTINGS AND HARDWARE. REPAIR WALL FINISH TO MATCH ADJACENT CMU.
- 19 REMOVE AND SCRAP EXISTING 16" X 16" +/- WALL MOUNTED ACCESS PLATE. REPLACE WITH NEW STAINLESS STEEL PLATE.
- 20 REMOVE AND SCRAP THE EXISTING WALL MOUNTED SINK AND HARDWARE. PREPARE FOR REPLACEMENT SINK AND HARDWARE. REFER TO THE MECHANICAL PLANS.
- 21 REMOVE AND SCRAP WALL MOUNTED GALVANIZED ACCESS PANEL. REPLACE WITH NEW STAINLESS STEEL PLATE.
- 22 EXISTING HIGH WALL CMU OPENING WITH A METAL WINDOW FRAME. REPLACE THE EXISTING TEMPORARY GLASS REPLACEMENT WITH A STAINLESS STEEL MIRE MESH. PROVIDE A STEEL SECURITY ASSEMBLY TO MATCH THE SOUTHEAST OPENING.
- 23 EXISTING HIGH WALL CMU OPENING WITH WOOD FRAMING AND WIRE MESH INFILL. REPLACE THE WIRE INFILL WITH STAINLESS STEEL MIRE MESH. PROVIDE A STEEL SECURITY ASSEMBLY TO MATCH THE SOUTHEAST OPENING.
- 24 EXISTING TEXTURE ON CONCRETE CEILING AT 8'-2" +/- A.F.F. REMOVE TEXTURE AND REPAINT THE ENTIRE CEILING.
- 25 HOLLOW METAL FRAME, REFER TO SCHEDULE
- 26 DOOR AND HARDWARE, REFER TO SCHEDULE
- 27 WALL MOUNTED SINK AND HARDWARE.
- 28 FLOOR MOUNTED WATER CLOSET AND HARDWARE.
- 29 WALL MOUNTED WATER CLOSET AND HARDWARE.
- 30 STAINLESS STEEL GRAB BARS, MATCH EXISTING DIMENSIONAL LENGTH AND DIAMETERS.
- 31 URINAL AND HARDWARE
- 32 FLOOR DRAIN ASSEMBLY AND GRILL.
- 33 STEEL TOILET PAPER HOLDER WITH BOLT AND PADLOCK, MATCH EXISTING.
- 34 TOILET PARTITION: REINFORCED 6" CMU X 5'-4" HIGH WITH 1-1/2" DIMENSIONAL CMU CAP. PROVIDE HORIZONTAL REINFORCING AT 16" O.C. PROVIDE 1/2" X 4'-0" VERTICAL REINFORCING AT 16" O.C. DRILLED AND SEALED 3" INTO EXISTING CONCRETE FLOORING. GROUT ALL CELLS FULL.
- 35 CLEAN THE EXISTING METAL DECKING CEILING AT 8'-10" TO REMAIN.
- 36 REFER TO SHEET A-4 FOR ADDITIONAL DEMOLITION ITEMS THE RELATED PAVILION ALTERNATE #1
- 37 EXISTING PLYWOOD CEILING WITH JOINT TRIM AT 7' 11-3/4" +/- A.F.F. REPAIR MINOR DAMAGE AS REQUIRED AND REPAINT THE ENTIRE CEILING.
- 38 REMOVE AND SCRAP THE EXISTING PLYWOOD CEILING AND TRIM. REPLACE AND PAINT AFTER THE NEW CHASE WALL IS INSTALLED.
- 39 REMOVE AND SCRAP THE EXISTING CONCRETE MASONRY CHASE WALL (UNKNOWN THICKNESS) AND SCRAP.
- 40 REINFORCED 6" CMU CHASE WALL. PROVIDE HORIZONTAL REINFORCING AT 16" O.C. PROVIDE 1/2" X 9'-0" VERTICAL REINFORCING AT 32" O.C. DRILLED AND SEALED 3" INTO EXISTING CONCRETE FLOORING.
- 41 REMOVE AND SCRAP SOAP DISPENSER. REPAIR WALL AS REQUIRED. REPLACE WITH NEW SOAP DISPENSER TO MATCH.

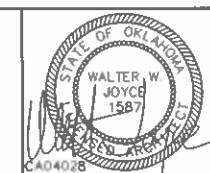
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 3/25/2024
 DRAWN BY: WJ
 CHECKED BY: WJ



THE CITY OF BETHANY
 PROPOSITIONS 2-A 2-B 2-C 2-D
 RESTROOM / PAVILION FACILITIES

ARCHITECTURE
 FLOOR PLANS



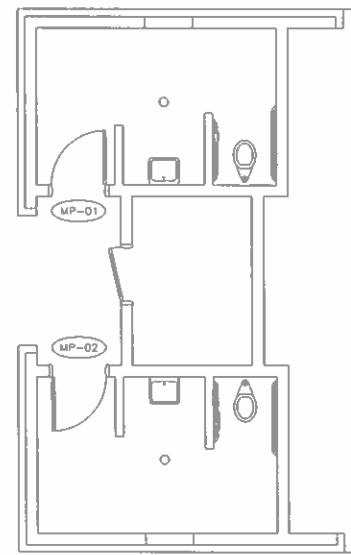
PROJECT ET424-15
 SHEET NO. A-2
 SHEET 2 OF 7

DOOR SCHEDULE

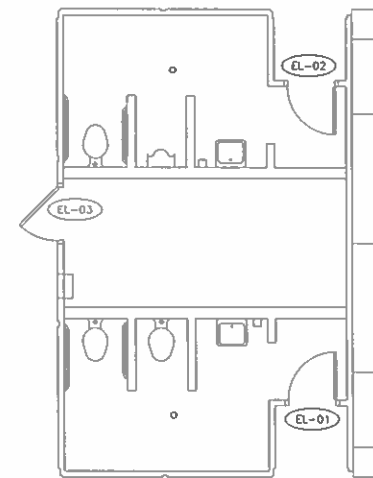
DOOR NO.	DOOR SIZE	DOOR TYPE	FRAME TYPE	DETAILS			SIGN
				HEAD	JAMB	SILL	
MP-01	2'-8" X 7'-0" X 1 3/4"	D1	F1	B	A	M	WOMEN
MP-02	2'-8" X 7'-0" X 1 3/4"	D1	F1	B	A	M	MEN
RP-01	2'-8" X 6'-8" X 1 3/4"	D1	F1	C-OPP	D	M	MEN
RP-02	2'-8" X 6'-8" X 1 3/4"	D1	F1	C	D	M	WOMEN
RP-03	3'-6" X 6'-7" X 1 3/4"	D1	F1	E	F	M	
EL-01	3'-0" X 7'-0" X 1 3/4"	D1	F1	G-OPP	H	M	WOMEN
EL-02	3'-0" X 7'-0" X 1 3/4"	D1	F1	G	H	M	MEN
EL-03	3'-0" X 7'-0" X 1 3/4"	D1	F1	G	H	M	
GP-01	2'-8" X 6'-8" X 1 3/4"	D1	F1	J-OPP	K	M	WOMEN
GP-02	2'-8" X 6'-8" X 1 3/4"	D1	F1	J	K	M	MEN
GP-03	2'-8" X 6'-8" X 1 3/4"	D1	F1	L	K	M	

DOOR HARDWARE SCHEDULE

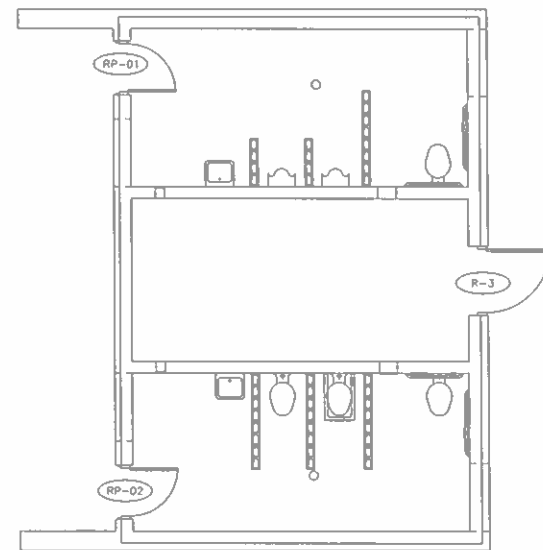
DOOR NO.	FROM	TO	DOOR HARDWARE								
			HINGES	LATCHSET	LOCKING BOLT	PULL PLATE	PUSH PLATE	SILENCERS	KICK PLATE	THRESHOLD	
MP-01	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
MP-02	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
RP-01	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
RP-02	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
RP-03	INTERIOR	EXTERIOR	X	X	X	X		X	X	X	
EL-01	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
EL-02	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
EL-03	INTERIOR	EXTERIOR	X	X	X	X		X	X	X	
GP-01	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
GP-02	EXTERIOR	INTERIOR	X	X	X		X	X	X	X	
GP-03	INTERIOR	EXTERIOR	X	X	X	X		X	X	X	



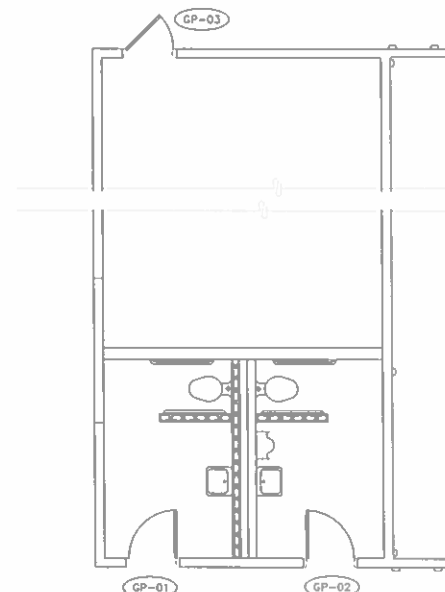
A RENOVATION PLAN - MACRORY PARK
A-3



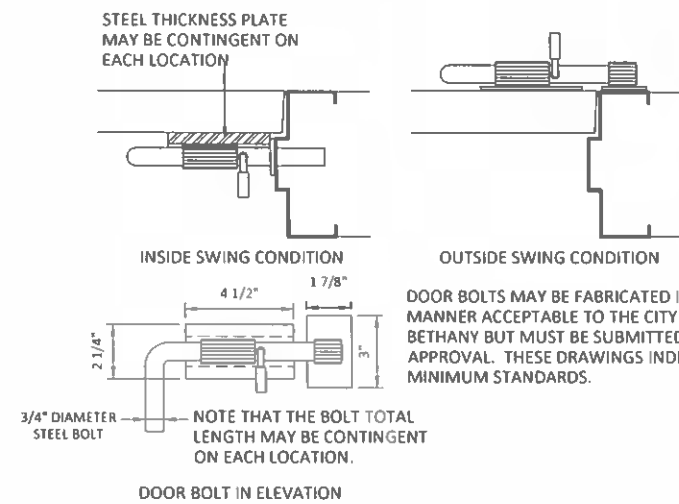
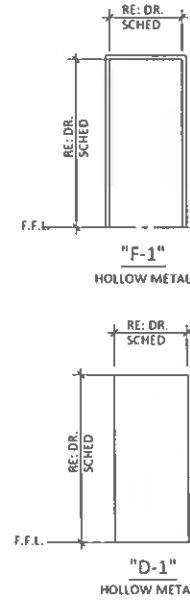
B RENOVATION PLAN - ELDON LYON
A-3



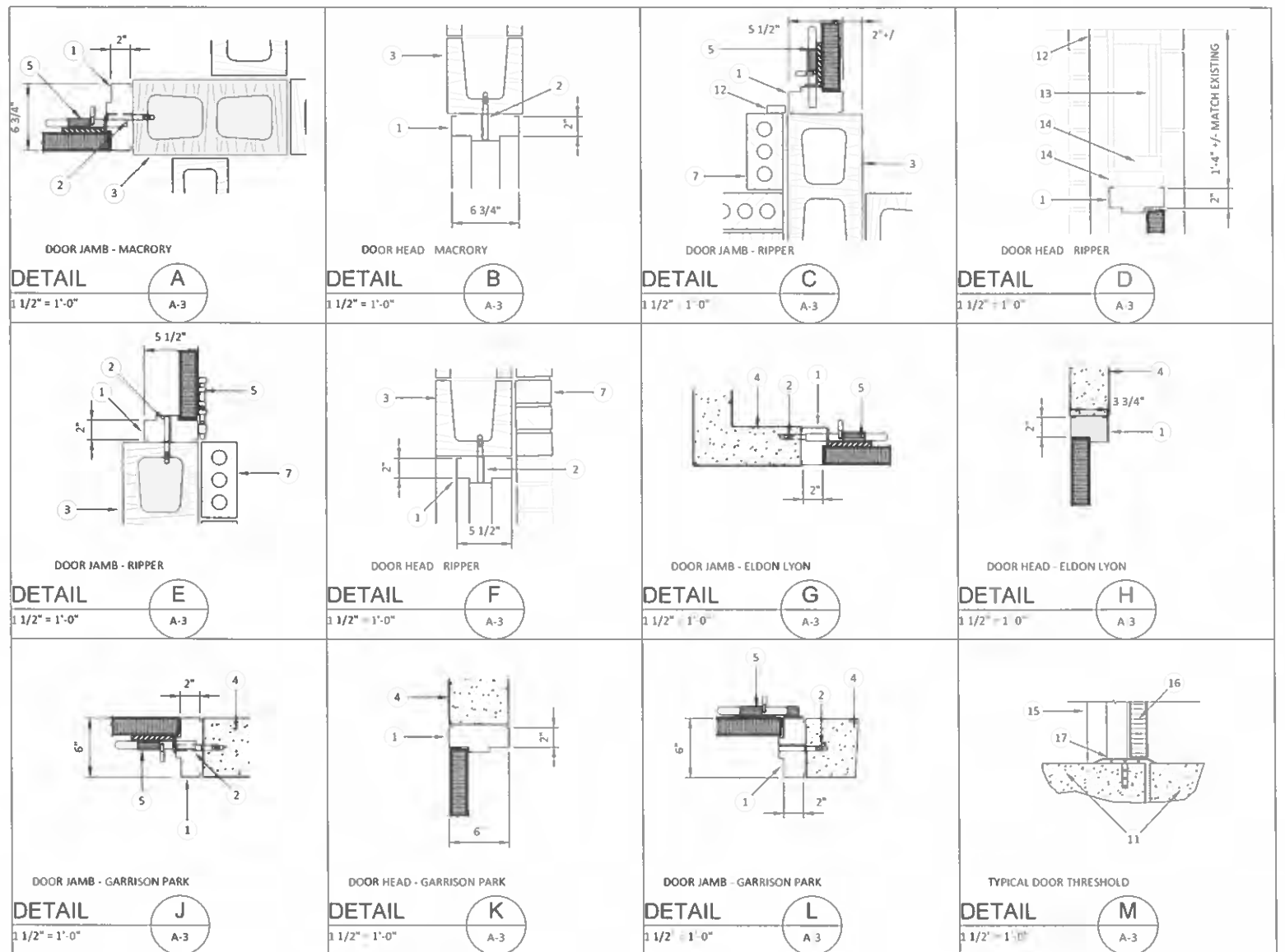
C RENOVATION PLAN - RIPPER PARK
A-3



D RENOVATION FLOOR - GARRISON PARK
A-3



N DOOR BOLT DETAILS
A-3 TYPICAL DOOR BOLT



KEY NOTES

- HOLLOW METAL FRAME WITH STEEL HINGE / STRIKE REINFORCEMENT FIELD VERIFY EXISTING FRAME TO BE REMOVED DIMENSIONS TO APPLY TO REPLACEMENT
- KNOCKDOWN JAMB, EXPANSION BOLT ANCHORS TO THE EXISTING MASONRY OR PRECAST CONCRETE WALL WHERE SHOWN WITH DOOR BOLT, THE DOOR BOLT IS MOUNTED ABOVE THE EXPANSION BOLT
- EXISTING CONCRETE MASONRY WALL CONSTRUCTION TO REMAIN REPAIR ANY DAMAGE DONE AS A RESULT OF DOOR FRAME REMOVAL
- EXISTING PRECAST CONCRETE WALL CONSTRUCTION TO REMAIN REPAIR ANY DAMAGE DONE AS A RESULT OF DOOR FRAME REMOVAL
- STAINLESS STEEL SLIDE BOLT LOCKING MECHANISM WELDED TO 14 GA. STEEL DOOR PANEL PROVIDE SEPARATE STAINLESS STEEL BOLT RECEIVER PLATE WELDED TO HOLLOW METAL FRAME
- REMOVE EXISTING WOOD TRIM AND WOOD VENTILATION FRAMING ABOVE AND SCRAP
- EXISTING BRICK VENEER TO REMAIN
- ALUMINUM SILL SET IN FULL BED OF SEALANT ANCHOR TO SLAB WITH COUNTERSUNK BOLTS AND SHIELDS SEALANT (TYPICAL BOTH SIDES)
- HOLLOW METAL FRAME BEYOND.
- HOLLOW METAL DOOR WITH DRIP EDGE
- EXISTING POURED IN PLACE CONCRETE FLOOR SLAB ADJUST ACCORDINGLY TO MATCH THE EXISTING HOLLOW METAL / JAMB CONDITIONS.
- 1X WOOD TRIM TO MATCH EXISTING. PAINT TO BLEND WITH EXISTING.
- 3/4" PLYWOOD TO MATCH EXISTING CONSTRUCTION / ANCHORAGE PAINT TO BLEND WITH EXISTING
- 2X WOOD FRAME TO MATCH EXISTING CONSTRUCTION / ANCHORAGE.
- HOLLOW METAL FRAME BEYOND
- HOLLOW METAL DOOR, ATTACK RESISTANT
- ALUMINUM THRESHOLD WITH ANCHOR BOLTS SET IN FULL BED OF SEALANT.

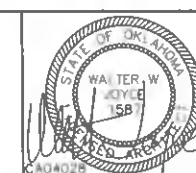
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 3/25/2024
DRAWN BY: WJ
CHECKED BY: WJ

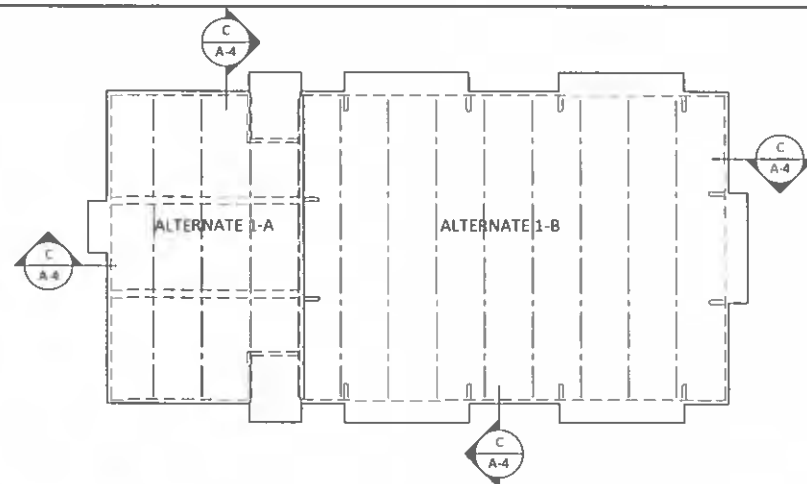


THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

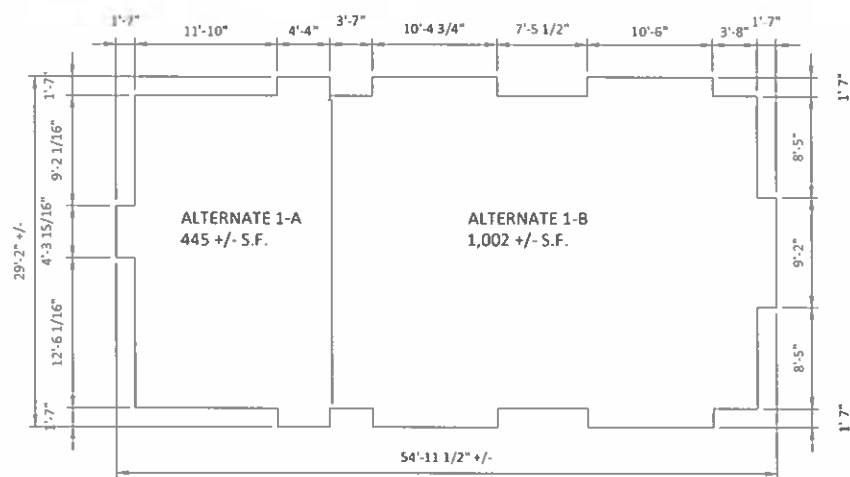
ARCHITECTURE
DOORS AND FRAMES



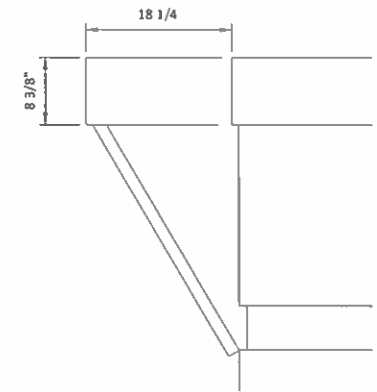
PROJECT ET424-15
SHEET NO. A-3
SHEET 3 OF 7



A DEMOLITION ROOF PLAN - ELDON LYON
 ALTERNATES 1-A AND 1-B
 A-4 1/8" = 1'-0"



B RENOVATION ROOF PLAN - ELDON LYON
 A-4 1/8" = 1'-0"



C CANOPY ELEVATION AT DOORS
 A-4 1" = 1'-0"

GENERAL NOTES - ROOFING NOTES:

- ELDON LYON ROOFING AND FLASHING. ALL WORK SHALL BE COMPLETED UNDER ALTERNATES NUMBER 1A AND 1B.
- GARRISON PARK EXISTING FLASHING REMOVAL AND REPLACEMENT SHALL BE COMPLETED UNDER THE BASE BID.
- GARRISON PARK ROOFING SHALL BE COMPLETED UNDER ALTERNATE NUMBER 2.

General Roofing Performance Specification

I. Roof design, supplement to the Specifications "BUILT-UP ASPHALT ROOFING SECTION 075113"

A. The requirements of roofing / metal flashing system selection and design of the roof:

- Scope: Refer to the demolition and renovation drawings on this sheet.
- The design phase shall include the roofing / metal flashing system selection and all information required to complete the project.

B. Manufacturer responsibilities

- The product manufacturer shall provide inspections during construction.

II. All vendors are responsible to comply with all regulations, rules, laws, codes, and ordinances while performing any aspect of the project

III. Replacement of a roof

A. The design documents shall detail any and all actions, provisions, and requirements for completely sealing the roof to prevent water intrusion.

B. If the underlayment has failed on the roofing system, the system shall be deemed as a failed system and shall be replaced.

C. All insulation installed under the roofing material and above the structural decking must comply with the applicable building codes.

IV. Demolition requirements to be included in the design documents

A. Professional registrant to include hazardous containing materials (hcm) identification for all roof work included in scope of work.

B. When hazardous containing materials (hcm) have been identified, hcm testing / removal / oversight shall be included in the design documentation.

V. New system installation requirements

A. The installing contractor must be certified / approved by manufacturer of the system being installed and must have a minimum of five (5) years of experience installing a similar system

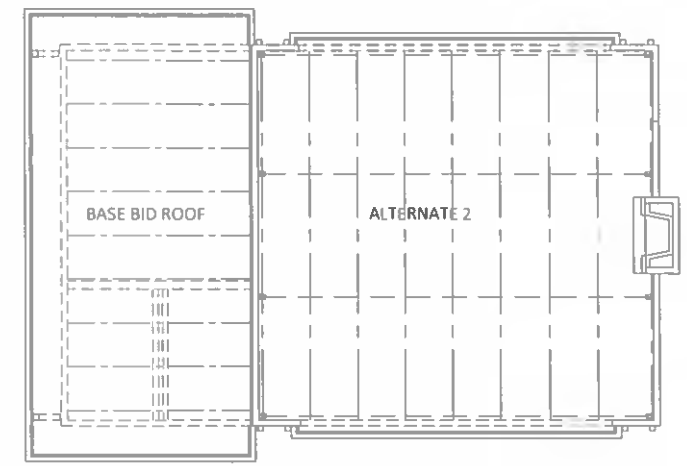
B. The roofing system shall be designed and installed to provide sustained performance for a minimum of 15 years.

VI. Warranty

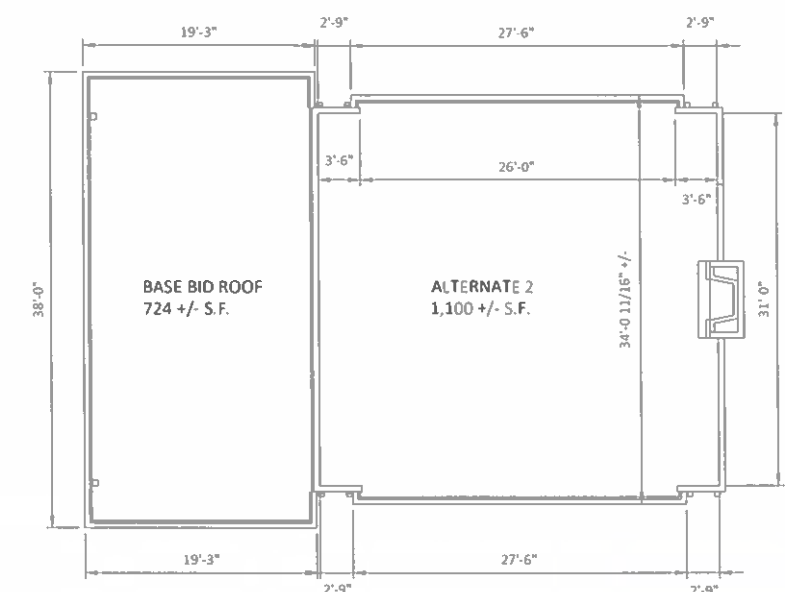
A. All roofs shall have at least a 15-year, no dollar limit (ndl), labor and material manufacturer product warranty. Manufacturer agrees to repair or replace components of the roofing system that fail in materials or workmanship within specified warranty period.

- The roofing material manufacturer shall certify that the installation is compliant with all manufacturer requirements upon issuance of the warranty.

The installing contractor shall provide a minimum 2-year materials and labor warranty for the complete installation.



D DEMOLITION ROOF PLAN - GARRISON PARK
 BASE BID AND ALTERNATE 2
 A-4 1/8" = 1'-0"



E RENOVATION ROOF PLAN - GARRISON PARK
 A-4 1/8" = 1'-0"



F ELDON LYON PARK
 A-4

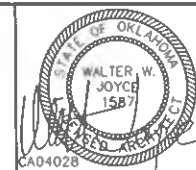
G GARRISON PARK
 A-4

SCALE:	AS SHOWN			
DATE:	3/25/2024			
DRAWN BY:	WJ			
CHECKED BY:	WJ			
REV. NO.	DATE	DRWN	CHKD	REMARKS

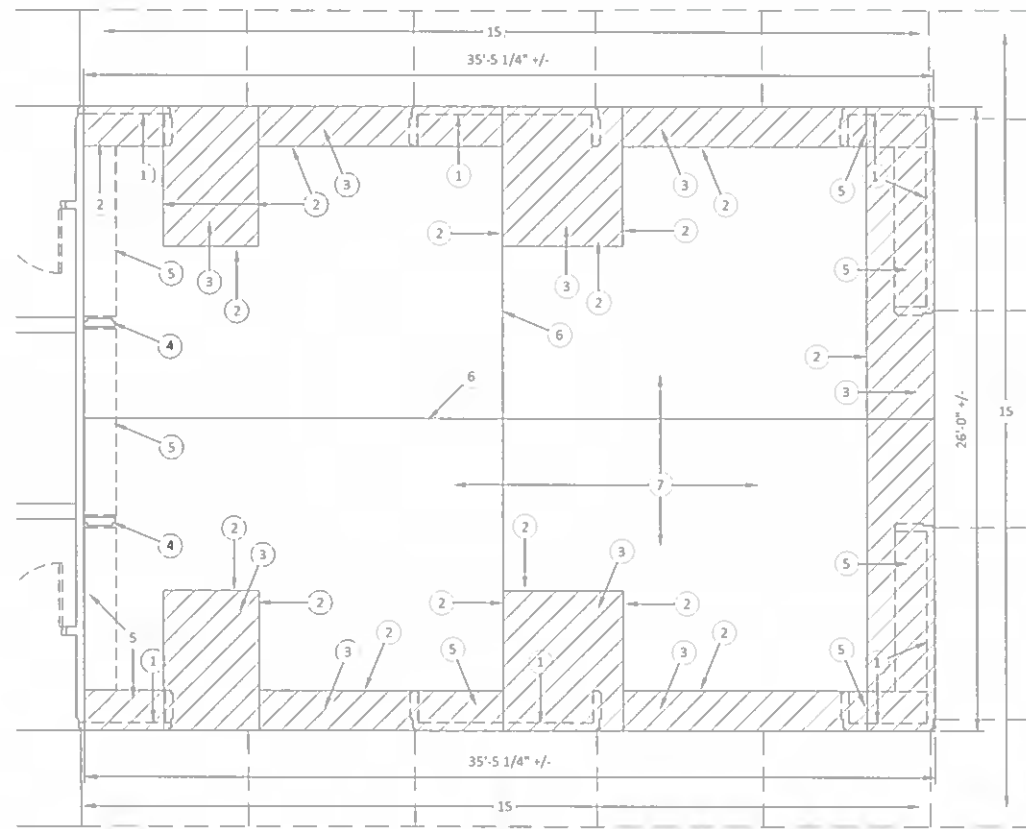


THE CITY OF BETHANY
 PROPOSITIONS 2-A 2-B 2-C 2-D
 RESTROOM / PAVILION FACILITIES

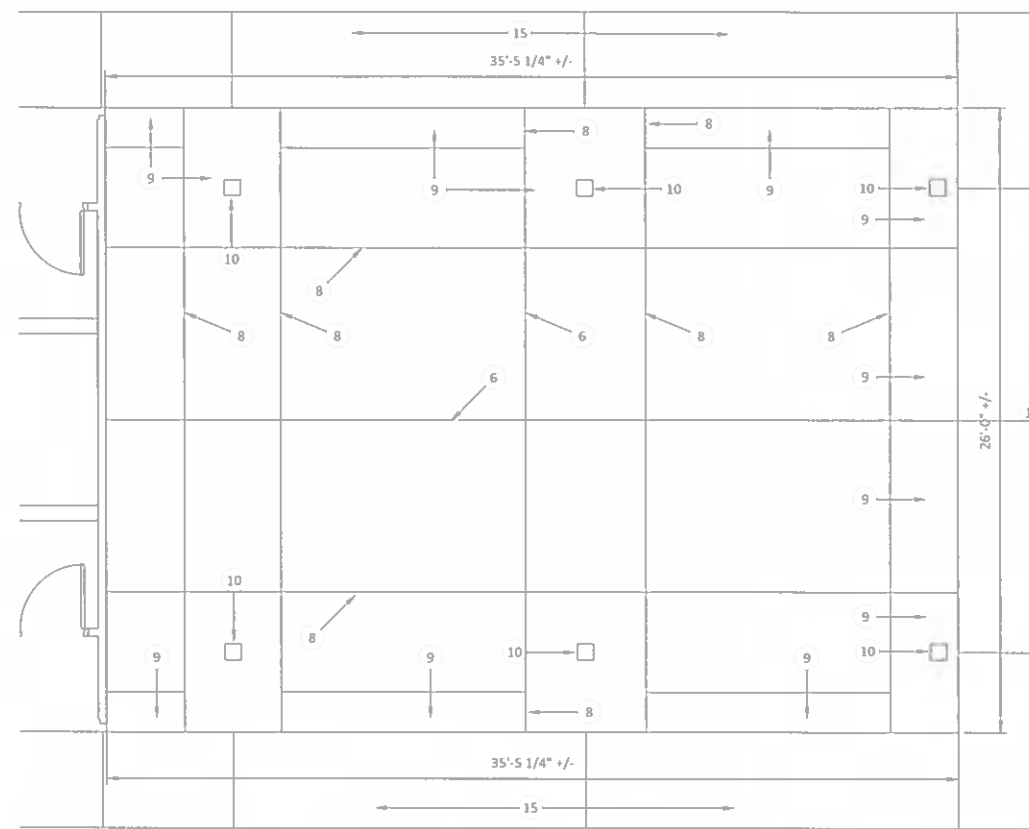
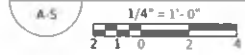
ARCHITECTURE
 ROOF PLANS



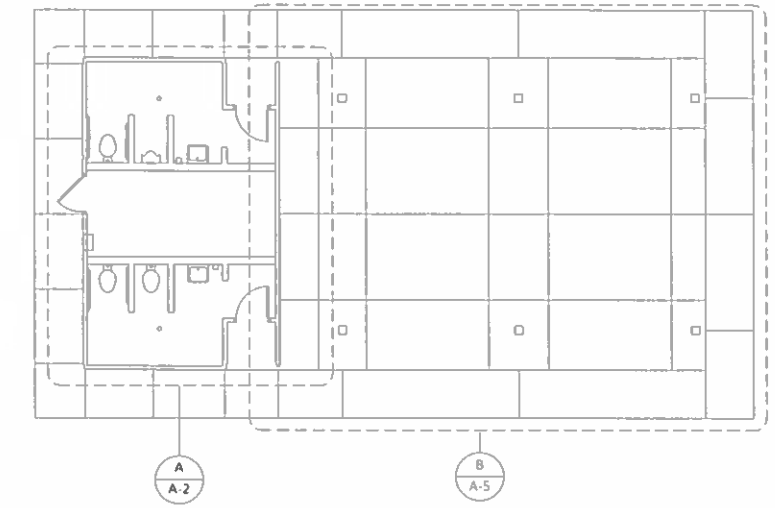
PROJECT ET424-15
 SHEET NO. A-4
 SHEET 4 OF 7



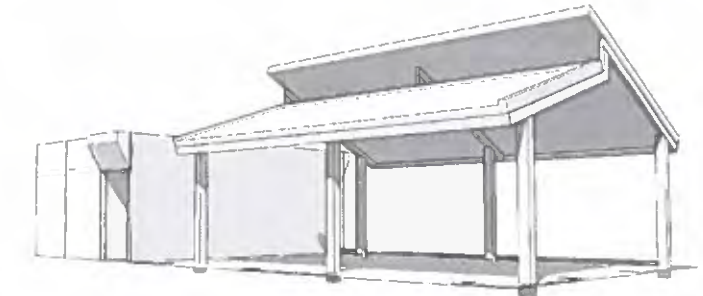
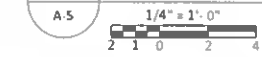
B DEMOLITION PLAN - ELDON LYON - ALTERNATE 3-A



C RENOVATION FLOOR PLAN - ELDON LYON - ALTERNATE 3-A

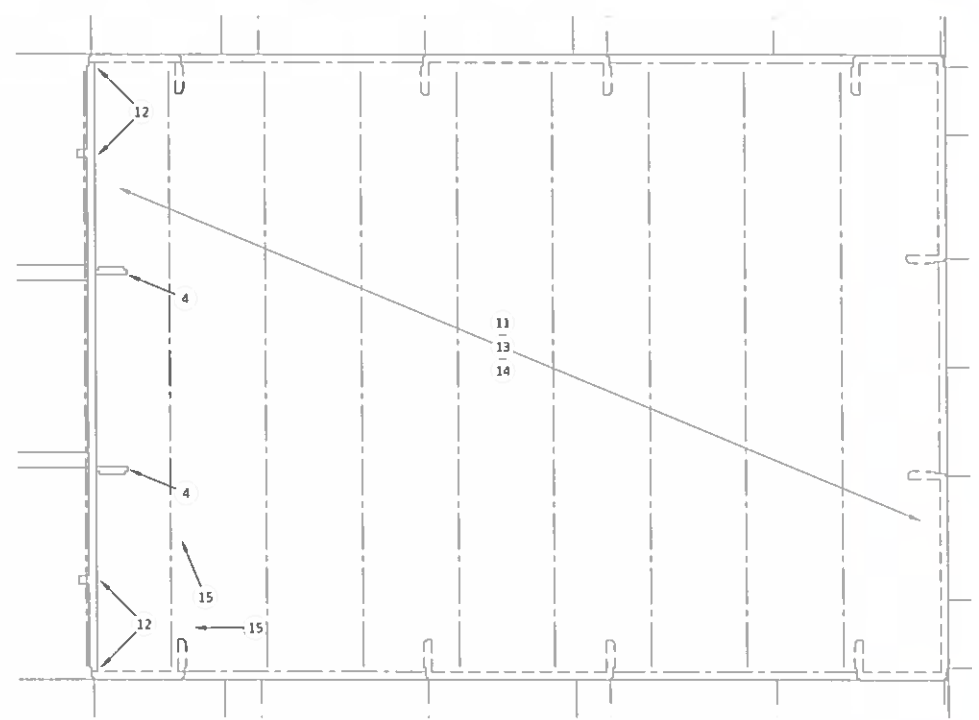


A OVERVIEW FLOOR PLAN - ELDON LYON

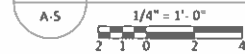


D RENOVATION SKETCH - ELDON LYON

NOT TO SCALE



E DEMOLITION PLAN - ELDON LYON - CEILING / STRUCTURE / ETC.



F ELDON LYON PARK PHOTOGRAPHS

GENERAL NOTES - PAVILION NOTES:

1. ELDON LYON PARK HAS TWO PAVILIONS, BOTH ARE IDENTICAL AND ARE ASSIGNED WORK TO BE COMPLETED UNIQUELY AS ALTERNATE NUMBER 3-A.
2. ADDITIONAL ITEMS ON THIS SHEET ARE IDENTIFIED THAT ARE UNIQUE TO DEMOLITION AND CONSTRUCTION FOR THIS ELDON LYON PARK.
3. REFER TO SHEET 7 FOR THE PAVILION STRUCTURE AND RELATED ITEMS THAT ARE FOR BOTH THE ELDON LYON PARK AND THE GARRISON PARK.

KEYED NOTES:

1. REMOVE AND SCRAP THE EXISTING PRECAST WALL ASSEMBLY.
2. LINE OF CONCRETE SLAB SAW CUT.
3. HATCHED AREA: REMOVE AND SCRAP THE EXISTING CONCRETE SLAB.
4. REMOVE AND SCRAP THE EXISTING PRECAST WALL ASSEMBLY THAT IS ATTACHED TO THE EXISTING PRECAST WALL TO REMAIN. REPAIR ANY DAMAGE TO THE EXISTING PRECAST WALL TO REMAIN.
5. REMOVE AND SCRAP WOOD BENCHES AND ASSOCIATED ANCHORS.
6. EXISTING SAW CUT JOINT AT THE CONCRETE SLAB TO REMAIN.
7. EXISTING CONCRETE SLAB TO REMAIN.
8. PROVIDE SAW CUT JOINT.
9. PROVIDE 4" CONCRETE SLAB ON SAND BASE WHERE EXISTING SLAB WAS REMOVED UNDER NOTE 3.
10. STEEL PAVILION COLUMN, REFER TO THE STRUCTURAL DRAWINGS. PROVIDE ADDITIONAL CONCRETE SLAB CUTTING AS REQUIRED FOR COLUMN AND FOUNDATION.
11. REMOVE AND SCRAP MISCELLANEOUS STEEL JOISTS AND OTHER STRUCTURAL SUPPORT ELEMENTS.
12. THIS PRECAST WALL IS TO REMAIN. REMOVE AND REPAIR ANY IMPERFECTIONS INCLUDING WHERE THE TWO SMALLER PRECAST WALLS WERE REMOVED UNDER NOTE 4.
13. REMOVE AND SCRAP ALL PLYWOOD CEILING ITEMS INCLUDING THE SUPPORT ELEMENTS.
14. REMOVE AND SCRAP ALL ELECTRICAL OUTLETS AND LIGHTING ITEMS INCLUDING ASSOCIATED CONDUIT BACK TO THE MAIN PANEL. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
15. REMOVE AND SCRAP SIDEWALK REPLACE AFTER NEW STRUCTURAL PAVILION COLUMNS HAVE BEEN INSTALLED.
16. ON SITE PHOTOGRAPHS RE: F/A-4

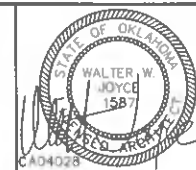
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 3/25/2024
 DRAWN BY: WJ
 CHECKED BY: WJ

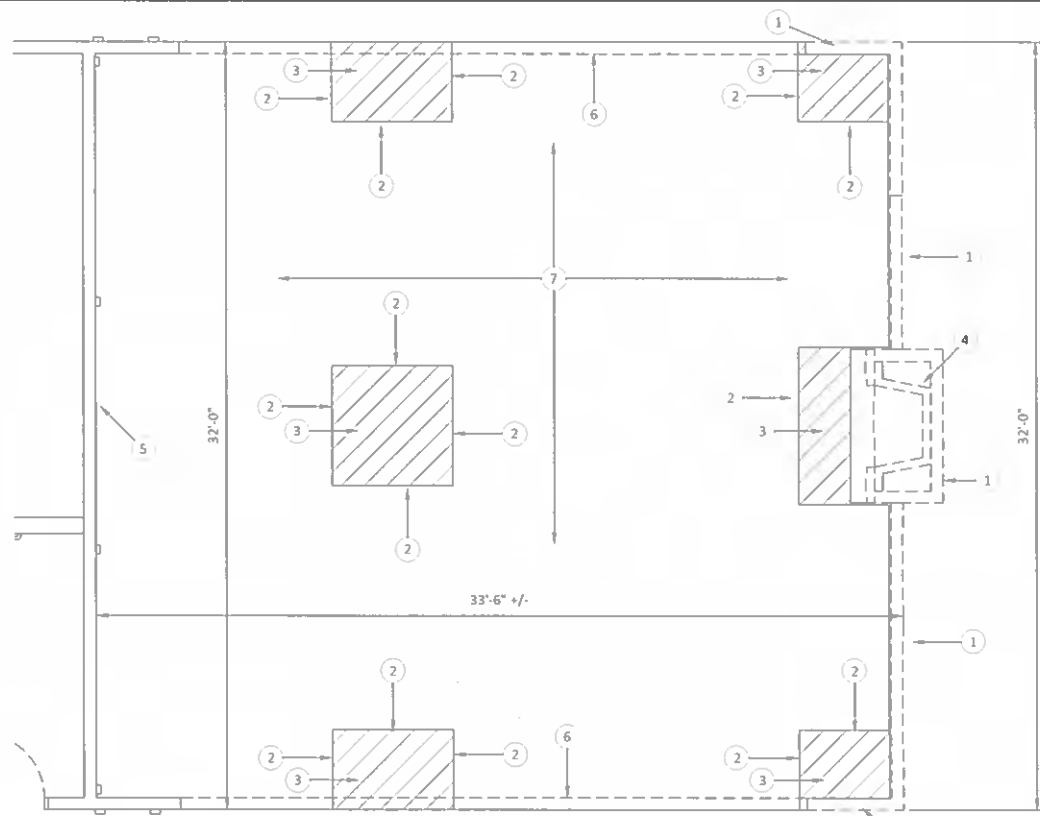


THE CITY OF BETHANY
 PROPOSITIONS 2-A 2-B 2-C 2-D
 RESTROOM / PAVILION FACILITIES

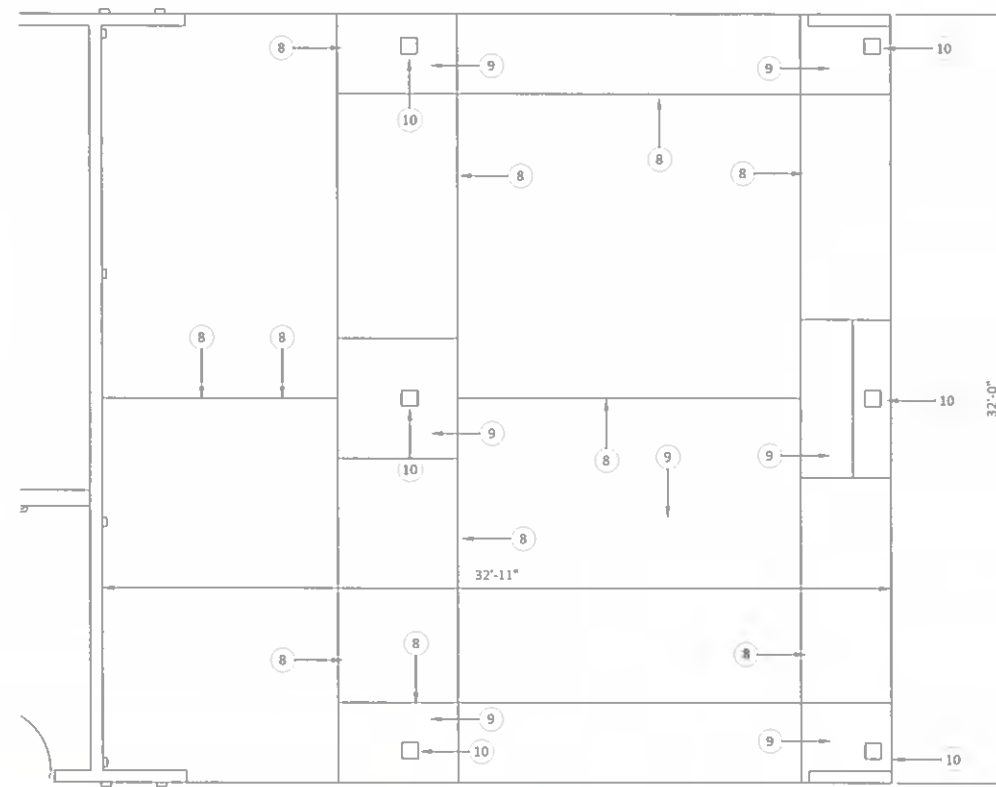
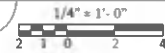
ARCHITECTURE
 FLOOR PLANS ASSOCIATED WITH
 THE PAVILION ALTERNATES



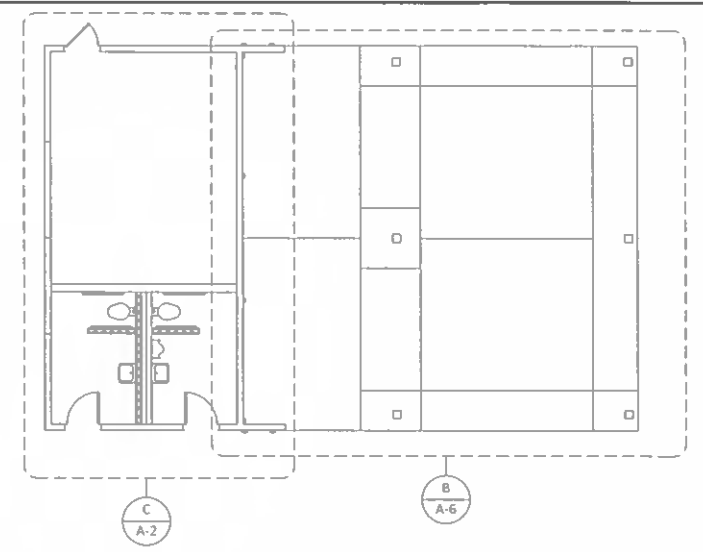
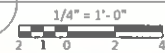
PROJECT ET424-15
 SHEET NO. A-5
 SHEET 5 OF 7



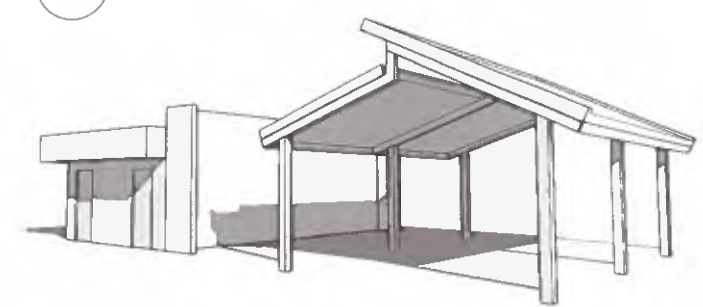
B DEMOLITION PLAN - GARRISON PARK - ALTERNATE 3-B



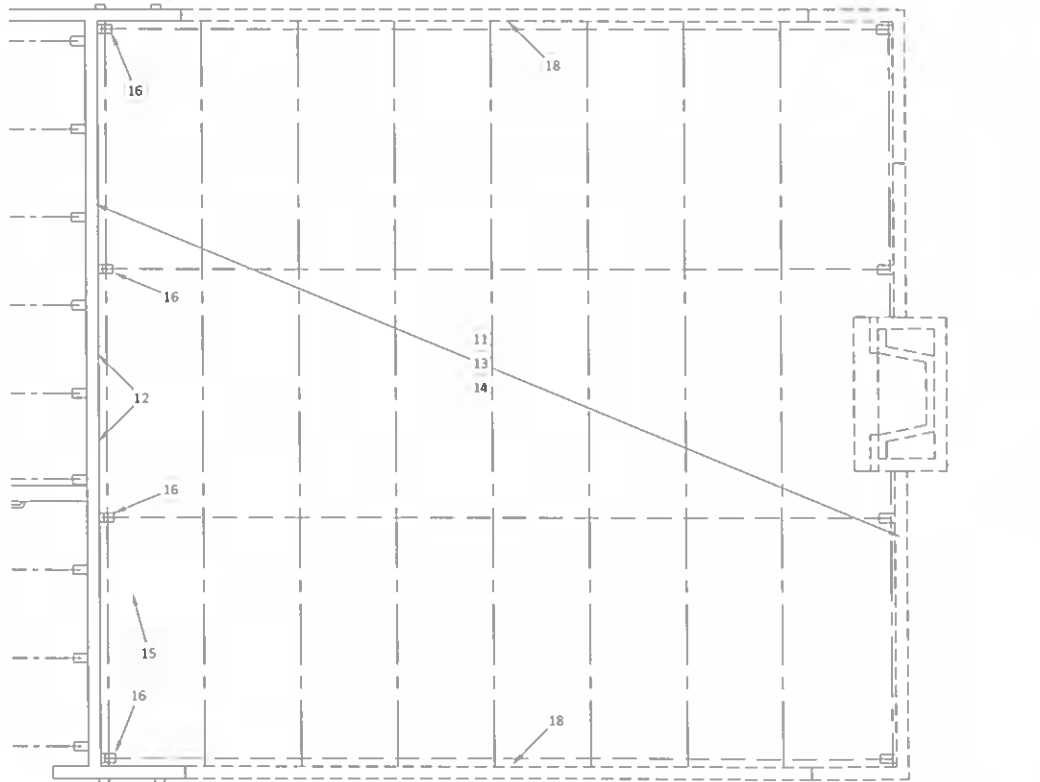
C RENOVATION FLOOR PLAN - GARRISON PARK - ALTERNATE 3-B



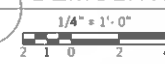
A OVERVIEW FLOOR PLAN - GARRISON PARK



D RENOVATION SKETCH - GARRISON PARK



E DEMOLITION PLAN - GARRISON PARK - CEILING / STRUCTURE / ETC



F ELDON LYON PARK PHOTOGRAPH

GENERAL NOTES - PAVILION NOTES

- 1. GARRISON PARK HAS ONE PAVILION AND HAS ASSIGNED WORK TO BE COMPLETED AS ALTERNATE NUMBER 3-B.
- 2. ADDITIONAL ITEMS ON THIS SHEET ARE IDENTIFIED THAT ARE UNIQUE TO DEMOLITION AND CONSTRUCTION FOR GARRISON PARK.
- 3. REFER TO SHEET 7 FOR THE PAVILION STRUCTURE AND RELATED ITEMS THAT ARE FOR BOTH THE ELDON LYON PARK AND THE GARRISON PARK.

KEYED NOTES:

- 1. REMOVE AND SCRAP THE EXISTING PRECAST WALL ASSEMBLY.
- 2. LINE OF CONCRETE SLAB SAW CUT.
- 3. HATCHED AREA: REMOVE AND SCRAP THE EXISTING CONCRETE SLAB.
- 4. REMOVE AND SCRAP EXISTING FIREPLACE ASSEMBLY.
- 5. EXISTING PLAQUE TO REMAIN. CLEAN AND REPAINT.
- 6. LINE OF STRUCTURAL PRECAST CONCRETE PANEL ABOVE.
- 7. EXISTING CONCRETE SLAB TO REMAIN.
- 8. PROVIDE SAW CUT JOINT
- 9. PROVIDE 4" CONCRETE SLAB ON SAND BASE WHERE EXISTING SLAB WAS REMOVED UNDER NOTE 3.
- 10. STEEL PAVILION COLUMN, REFER TO THE STRUCTURAL DRAWINGS. PROVIDE ADDITIONAL CONCRETE SLAB CUTTING AS REQUIRED FOR COLUMN AND FOUNDATION.
- 11. REMOVE AND SCRAP MISCELLANEOUS
- 12. THIS PRECAST WALL IS TO REMAIN. REMOVE AND REPAIR ANY IMPERFECTIONS.
- 13. REMOVE AND SCRAP ALL PLYWOOD CEILING ITEMS INCLUDING THE SUPPORT ELEMENTS.
- 14. REMOVE AND SCRAP ALL ELECTRICAL OUTLETS AND LIGHTING ITEMS INCLUDING ASSOCIATED CONDUIT BACK TO THE MAIN PANEL. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 15. ON SITE PHOTOGRAPHS RE: F/A-5.
- 16. REMOVE AND SCRAP THE EXISTING JOIST BEARING IMBEDDED ASSEMBLY BACK TO THE EXISTING PRECAST WALL SURFACE. GRIND SMOOTH AND REFINISH TO MATCH EXISTING.
- 18. REMOVE AND SCRAP THE EXISTING PRECAST CONCRETE PANELS.

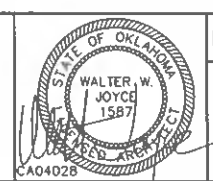
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 3/25/2024
 DRAWN BY: WJ
 CHECKED BY: WJ

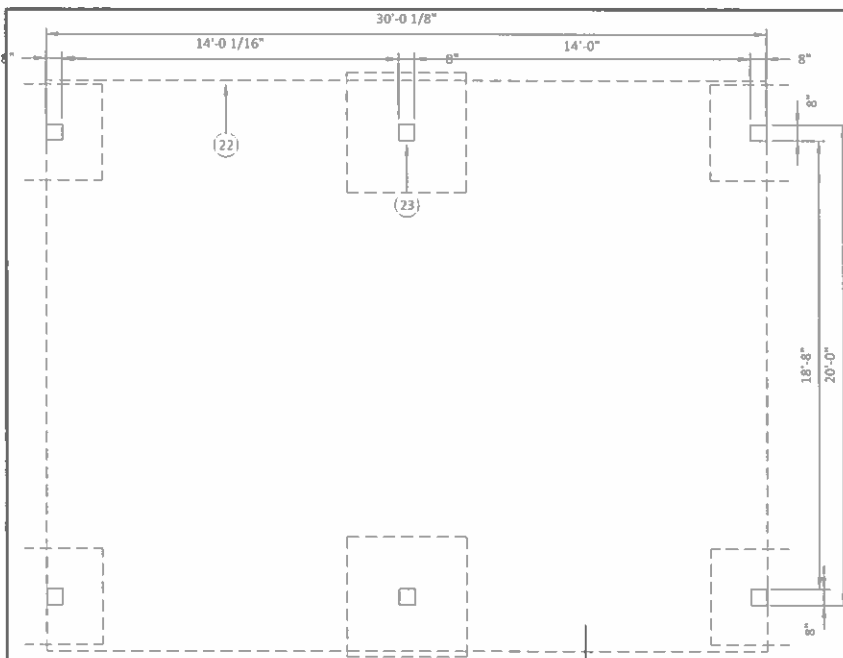


THE CITY OF BETHANY
 PROPOSITIONS 2-A 2-B 2-C 2-D
 RESTROOM / PAVILION FACILITIES

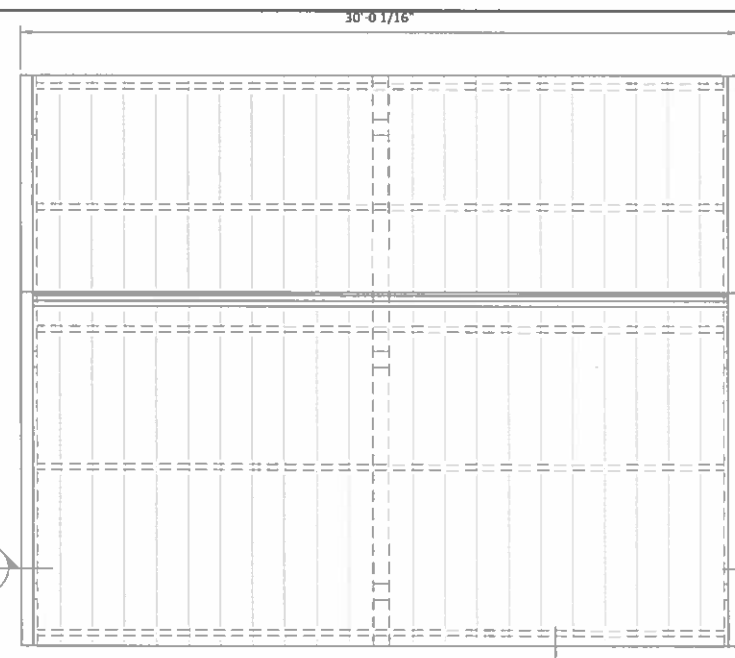
ARCHITECTURE
 FLOOR PLANS ASSOCIATED WITH
 THE PAVILION ALTERNATES



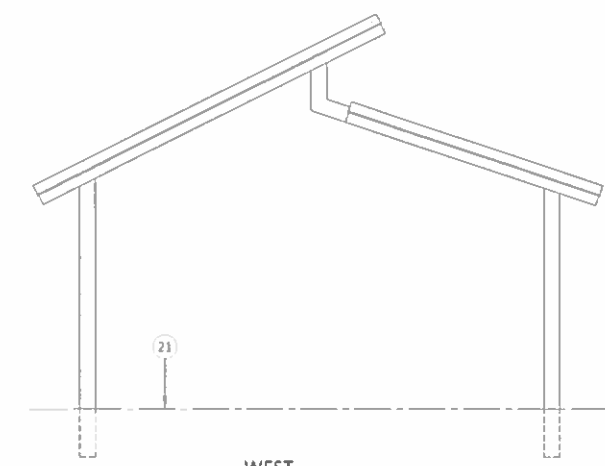
PROJECT ET424-15
 SHEET NO. A-6
 SHEET 6 OF 7



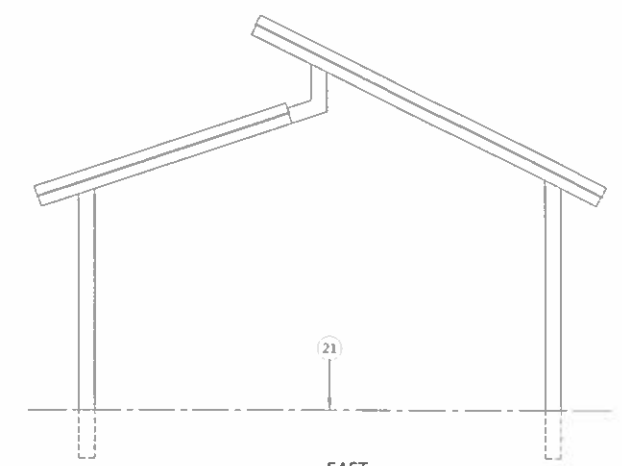
A PLAN
A-7 1/4" = 1'-0"



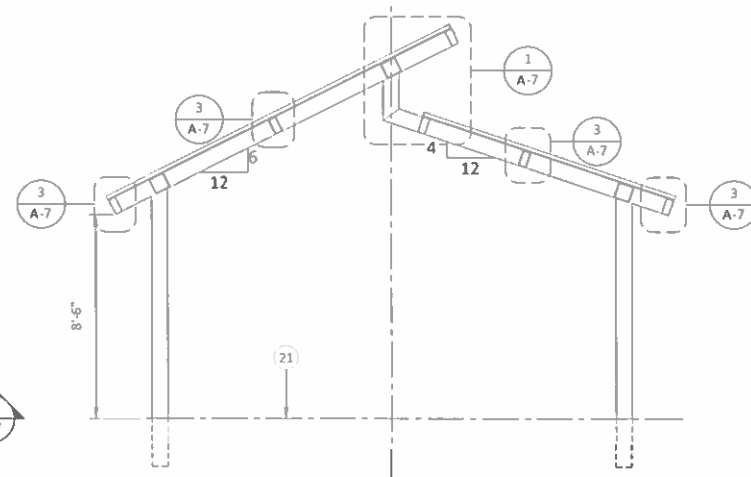
B ROOF PLAN
A-7 1/4" = 1'-0"



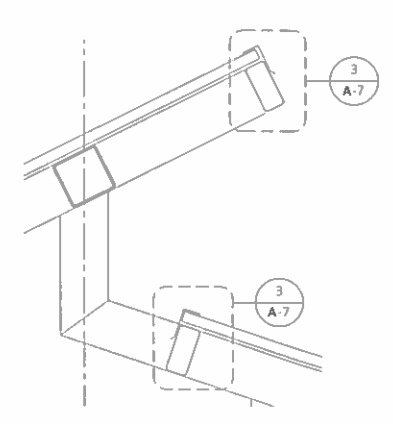
C WEST ELEVATION
A-7 1/4" = 1'-0"



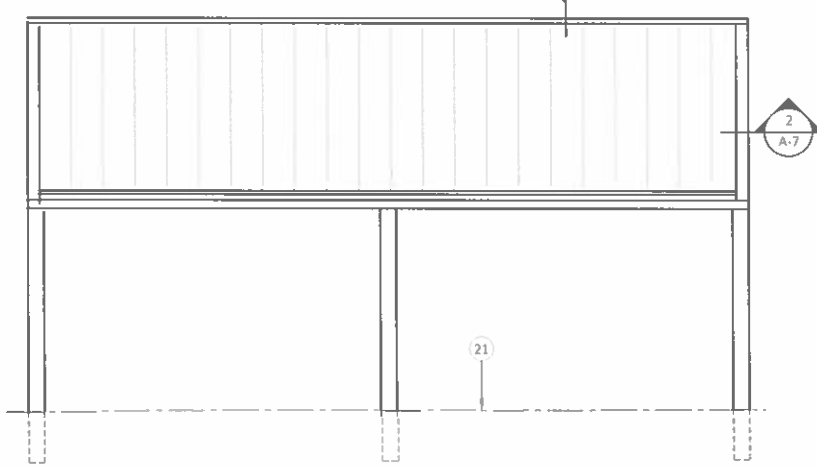
D EAST ELEVATION
A-7 1/4" = 1'-0"



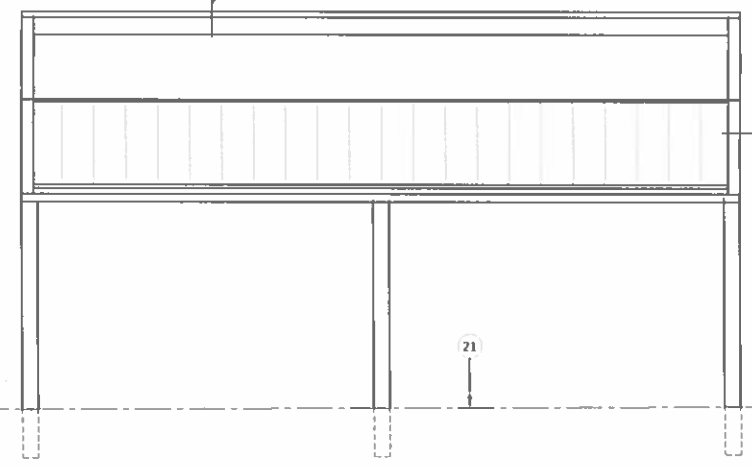
SECTION G
A-7 1/4" = 1'-0"



DETAIL 1
A-7 3/4" = 1'-0"



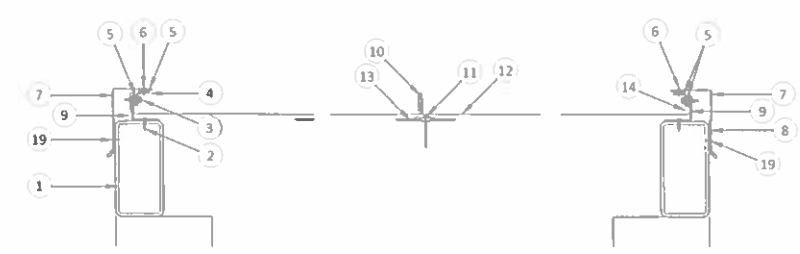
E SOUTH ELEVATION
A-7 1/4" = 1'-0"



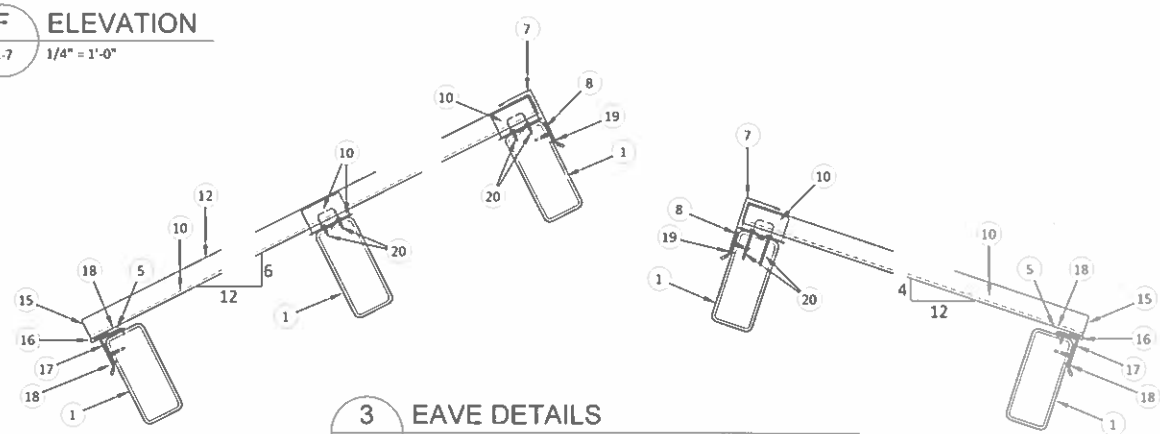
F NORTH ELEVATION
A-7 1/4" = 1'-0"

- GENERAL NOTES:**
1. THIS PAVILION STRUCTURE IS THE BASE FOR ALTERNATE 3-A AND FOR ALTERNATE 3-B.
 2. ALL STRUCTURAL STEEL COMPONENTS TO BE RECEIVE PRIMER AND THREE COATS EXTERIOR ENAMELED PAINTED.

- KEYED NOTES:**
1. STEEL TUBE SECTION, REFER TO STRUCTURAL
 2. 12 - 24 X 1 PANCAKE HEAD ANCHORS @ 24" O.C. (DO NOT OVER-TIGHTEN)
 3. 1/4 - 14 X 1 1/4 ANCHOR WITH WASHER AT 24" O.C.
 4. PARAPET RAKE CLEAT
 5. TRI-BEAD TAPE SEALER
 6. 1/8 X 3/8 POP RIVET @ 6" O.C.
 7. BOX RAKE TRIM
 8. CONTINUOUS CLEAT
 9. RAKE SUPPORT ANGLE
 10. ROOF PANEL CLIP (UL90)
 11. DECK SCREW (2) PER CLIP (MIN. 3/4" PENETRATION INTO METAL DECK)
 12. "LOKSEAM" ROOF PANEL
 13. BEARING PLATE
 14. FIELD CUT & BEND UP 1 3/4" LEG TO FIT AGAINST RAKE SUPPORT ANGLE
 15. FILL END OF RIB WITH URETHANE SEALANT, TYP.
 16. OFFSET CLEAT
 17. EAVE TRIM
 18. 1/8 X 3/8 POP RIVET @ 12" O.C.
 19. 12 - 24 X 1 PANCAKE HEAD ANCHORS @ 12" O.C.
 20. 12-14 X 1 PANCAKE HEAD FASTENERS, 2 PER CLIP
 21. FINISH FLOOR LINE
 22. LINE OF ROOF CANOPY ABOVE
 23. STEEL COLUMN, REFER TO THE STRUCTURAL DRAWINGS



2 RAKE DETAILS
A-7 1 1/2" = 1'-0"



3 EAVE DETAILS
A-7 1 1/2" = 1'-0"

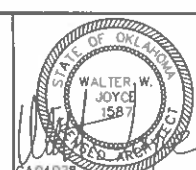
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 3/25/2024
DRAWN BY: WJ
CHECKED BY: WJ



THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

ARCHITECTURE
PAVILION PLAN, ELEVATIONS,
SECTIONS AND DETAILS



PROJECT ET424-15
SHEET A-7
SHEET 7 OF 7

GENERAL STRUCTURAL NOTES

1 GENERAL NOTES

- A THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED CONCURRENTLY WITH THE ARCHITECTURAL DRAWINGS. IF ANY DISCREPANCY EXISTS BETWEEN THE STRUCTURAL DOCUMENTS AND THE ARCHITECTURAL DOCUMENTS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH CONSTRUCTION.
- B GENERAL NOTES ARE AN INTEGRAL PART OF THE CONSTRUCTION DOCUMENTS AND DESCRIBE CONDITIONS THAT APPLY GENERALLY THROUGHOUT THE STRUCTURAL DRAWINGS.
- C THE STRUCTURE IS DESIGNED AS A STABLE UNIT AFTER ALL COMPONENTS ARE IN PLACE. THE CONTRACTOR SHALL PROVIDE TEMPORARILY BRACE THE STRUCTURAL COMPONENTS FOR LATERAL STABILITY UNTIL AFTER ALL PERMANENT BRACING SYSTEMS ARE COMPLETE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING AND BRACING NECESSARY TO ENSURE THE STABILITY OF ANY AND ALL PARTS OF THE BUILDING DURING CONSTRUCTION.

2 DESIGN CRITERIA

A	DESIGN CODE	2018 INTERNATIONAL BUILDING CODE
B	DESIGN LIVE LOADS	
	ROOF	20 PSF (UNREDUCED)
C	DEAD LOADS	
	ROOF	15 PSF
	CEILING COLLATERAL	3 PSF
	MECHANICAL/MISCELLANEOUS COLLATERAL	5 PSF
	INSULATION	1 PSF
	FRAMING	ACTUAL WEIGHT OF MATERIALS
D	LATERAL LOADS	
	BASIC WIND SPEED	115 MPH
	IMPORTANCE FACTOR (I)	1.00
	EXPOSURE C	
	SEISMIC	
	SEISMIC RISK CATEGORY	II
	SEISMIC IMPORTANCE FACTOR (IE)	1.00
	SEISMIC DESIGN CATEGORY	C
	SPECTRAL RESPONSE COEFFICIENTS	S _{DS} = 0.334g S _{DI} = 0.131g
	SITE CLASS	D
	RESPONSE FACTOR	3.0
	BASIC SEISMIC FORCE RESISTING SYSTEM	STEEL FRAMES NOT SPECIFICALLY DETAILED FOR SEISMIC ANALYSIS PROCEDURE
	EQUIVALENT LATERAL FORCE PROCEDURE	
	SEISMIC RESPONSE COEFFICIENT	C _s = 0.1113

3 GENERAL

- A CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD. THE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCY BETWEEN THE STRUCTURAL DRAWINGS AND THE ARCHITECTURAL DRAWINGS, OR OTHER CONSULTANT'S DRAWINGS.
- B PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.
- C SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY CONTRACTOR'S SUBCONTRACTOR, SUPPLIER OR DISTRIBUTOR. REPRODUCTION OF STRUCTURAL CONTRACT DOCUMENTS AS ERECTION PLANS AND DETAILS SHALL NOT BE PERMITTED.
- D SHOP DRAWINGS SHALL BE CHECKED BY GENERAL CONTRACTOR PRIOR TO BEING SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW.
- E SHOP DRAWING SUBMITTALS SHALL CONTAIN THREE (3) PHOTOCOPIES OF EACH SHEET OF THE SUBMITTAL. ELECTRONIC COPIES (PDFs) OF EACH SUBMITTAL ARE ACCEPTABLE.

4 FOUNDATION

- A FOUNDATION DESIGN IS BASED ON THE RECOMMENDATIONS AND DESIGN VALUES GIVEN IN THE GEOTECHNICAL (SOILS) REPORT, AS FOLLOWS:

SOILS REPORT BY	STANDARD TESTING AND ENGINEERING CO
DATE OF REPORT	12-7-2023
REPORT NUMBER	2330-0709

REPORT "SITE A" AND "SITE B" FOR ELDON LYON PARK PAVILIONS
REPORT "SITE C" FOR GARRISON PARK PAVILION
- B RECOMMENDED FOUNDATION TYPE: BEARING STRATUM. ALLOWABLE SOIL BEARING CAPACITY: 2,000 PSF ON EXISTING, COMPACTED SOILS. NOTE: A COPY OF THE SOILS REPORT IS AVAILABLE FROM THE ARCHITECT.
- C GRANULAR FILL SHALL BE UNWASHED SIZE NO. 10 (SCREENINGS) PER ASTM D448, LATEST EDITION, HAVING A NOMINAL AGGREGATE SIZE NO. 4 (4.75mm) AND PERCENTAGES OF PARTICLE SIZES PASSING THRU A NO. 4 SIEVE IN ACCORDANCE WITH TABLE 1 OF D448:

3/8" (9.5mm)	100%
NO. 4 (4.75mm)	85% TO 100%
NO. 100 (150micrometers)	10% TO 30%
- D THE SOIL AT THE BOTTOM OF ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY A QUALIFIED GEOTECHNICAL ENGINEER LICENSED IN THE STATE OF OKLAHOMA TO VERIFY THE SOIL MEETS OR EXCEEDS THE ALLOWABLE SOIL BEARING CAPACITY STATED ON THESE DRAWINGS.
- E EARTH FORMED FOOTINGS ARE ACCEPTABLE AS LONG AS THE SIDES OF THE EXCAVATIONS CAN MAINTAIN A REASONABLY VERTICAL CUT WITHOUT SLOUGHING SOIL INTO THE EXCAVATION DURING REBAR PLACEMENT, DURING CONCRETE PLACEMENT AND THE EXCAVATION CAN MAINTAIN THE FOOTING SHAPE SPECIFIED ON THE DRAWINGS.

5 CONCRETE AND CONCRETE REINFORCING

- A CONCRETE MIX SCHEDULE:

CONC CLASS	STRENGTH (PSI MIN)	AGG TYPE	AGG SIZE	SLUMP INCHES	MAX W/C
A	3000	HRC	1 1/2"	5-7	0.64
B	3000	HRC	1"	3-5	0.45

NOTE: THE STRENGTH LISTED SHALL BE THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS. THE REQUIRED AVERAGE COMPRESSIVE STRENGTH (f_c) SHALL CONFORM TO A.C.I. STANDARD 318-14.

NOTE: "HRC" REFERS TO HARDROCK CONCRETE HAVING AN AIR DRY UNIT WEIGHT OF APPROXIMATELY 145 POUNDS PER CUBIC FOOT (PCF).

NOTE: WHERE WATER-TO-CEMENT RATIO IS NOT INDICATED ON THE DRAWINGS OR IN THE PROJECT SPECIFICATIONS, IT SHALL BE DETERMINED BY THE CONTRACTOR TO MEET OTHER REQUIREMENTS.
- B CONCRETE USAGE SCHEDULE:

DESCRIPTION OF USE	CONC CLASS	AIR CONTENT
FOOTINGS	A	
EXTERIOR SLABS-ON-GRADE	B	4.6%
- C CLEAR DISTANCES FROM CONCRETE SURFACES TO REINFORCING STEEL SHALL NOT BE LESS THAN AS FOLLOWS, UNLESS NOTED OTHERWISE:

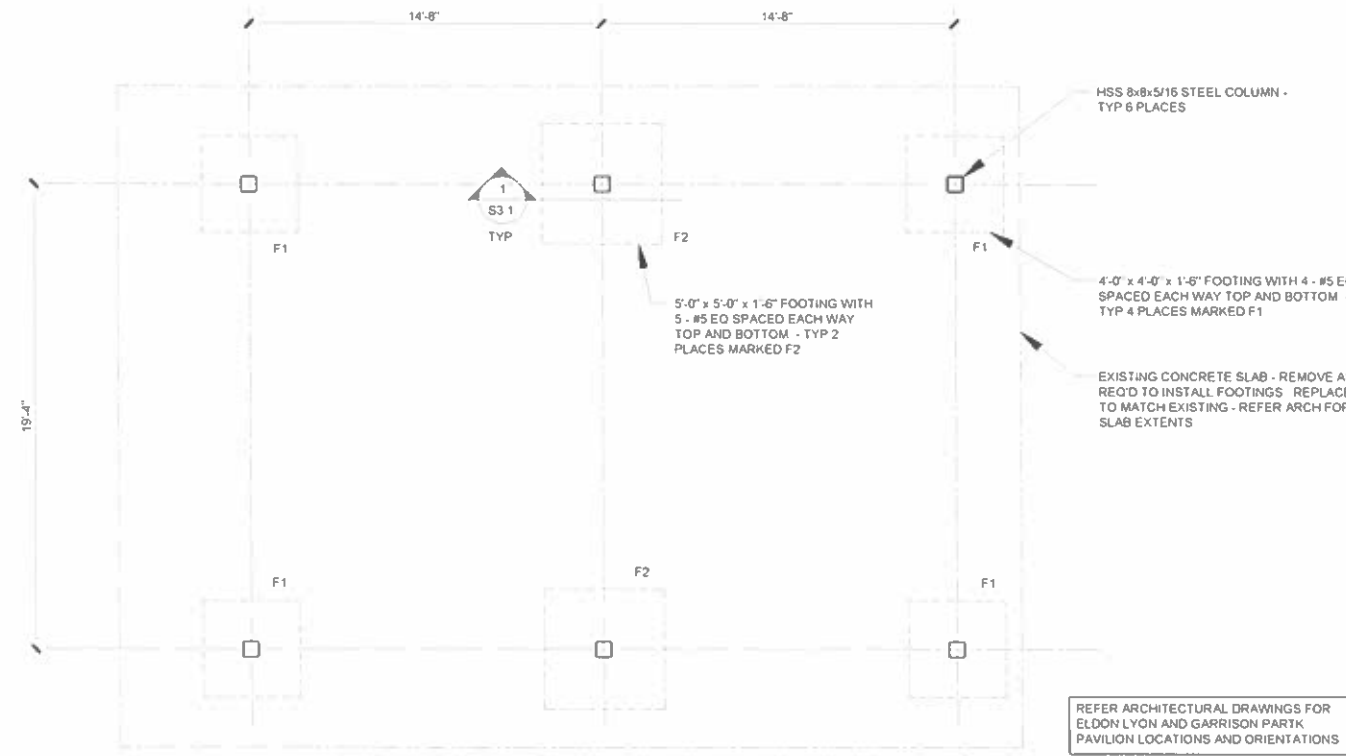
FOOTINGS	-3 INCHES ALL SIDES
EXTERIOR SLABS-ON-GRADE	-2 INCHES FROM TOP OF SLAB
- D CONCRETE REINFORCEMENT DETAILS SHALL CONFORM TO A.C.I. STANDARD 318-14, UNLESS NOTED OTHERWISE.
- E ALL REINFORCEMENT, #3 BARS AND LARGER, SHALL BE ASTM A615, GR 60.
- F LAP ALL REINFORCING BARS 45 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
- G REINFORCING SHALL BE ADEQUATELY SUPPORTED USING CHAIRS, BOLSTERS OR PRECAST CONCRETE BRICKS HAVING MINIMUM COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN THE CONCRETE. USE BOLSTERS OR OTHER SPACING DEVICES AS REQUIRED TO MAINTAIN PROPER SIDE CLEARANCES BETWEEN FORMS AND REINFORCING BARS.

5 CONCRETE AND CONCRETE REINFORCING - CONTINUED

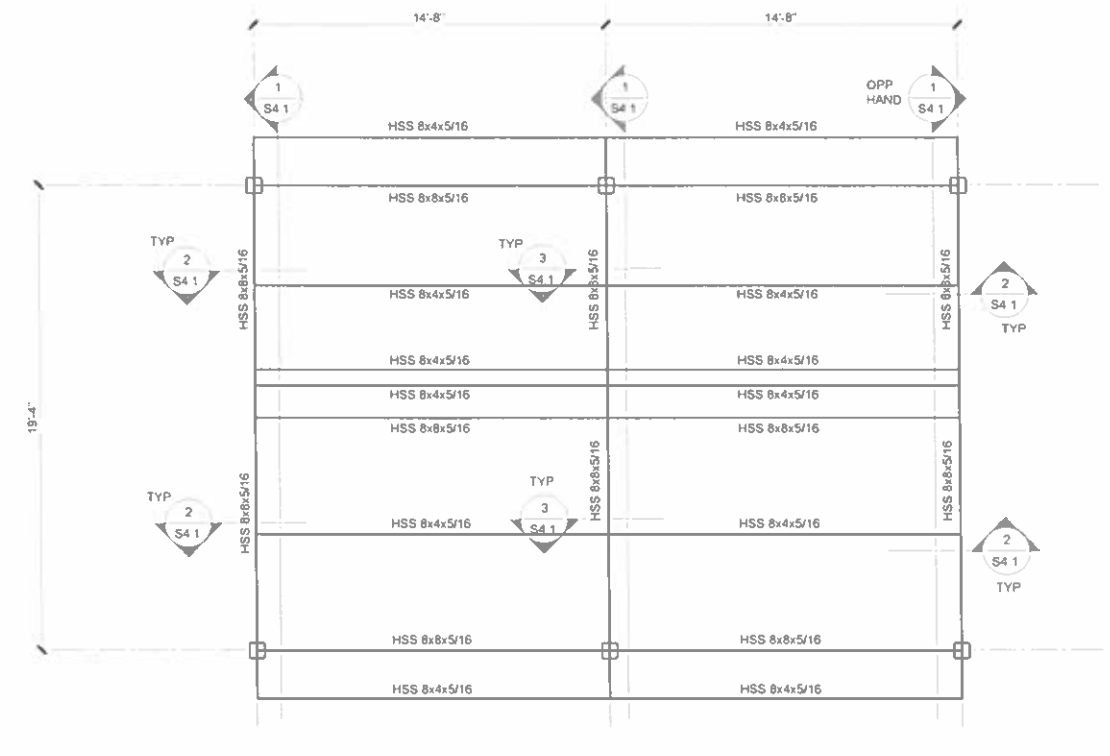
- H DO NOT WET PLACE DOWELS, ANCHOR BOLTS OR ANY EMBEDDED ITEMS INTO THE CONCRETE. USE TEMPLATES AS REQUIRED FOR ANCHOR BOLTS.
- I DO NOT WELD REINFORCING BARS UNLESS BARS ARE PER ASTM A706.
- J DO NOT HEAT AND BEND REINFORCING BARS.
- K ALL BAR BENDING SHALL BE IN ACCORDANCE WITH A.C.I. 315-99 AND SP-66 (04), ACI DETAILING MANUAL.
- L DO NOT FLAME CUT REINFORCING BARS.
- 6 STRUCTURAL STEEL:
 - A STRUCTURAL STEEL SHALL MEET THE FOLLOWING ASTM SPECIFICATIONS:

STRUCTURAL STEEL PLATES, CHANNELS, ANGLES	ASTM A36 (F _y =36 ksi MIN)
TUBULAR HSS SHAPES	ASTM A500, GR B OR ASTM A1085
COMMON BOLTS	ASTM A307
HIGH STRENGTH BOLTS	ASTM A325
 - B BOLTS SHALL BE AS FOLLOWS:

BEARING CONNECTIONS FOR STEEL CONNECTIONS	3/4" DIA. HIGH STRENGTH
ANCHOR BOLTS	ASTM F1554, GRADE 36
ERECTOR BOLTS	COMMON
 - C STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL".
 - D OVERSIZED HOLES ARE ACCEPTABLE FOR COLUMN BASEPLATES. WHEN OVERSIZED HOLES ARE USED FOR BASEPLATES, STEEL WASHERS SHALL BE USED BETWEEN THE NUTS AND BASEPLATE. THE WASHERS SHALL BE WELDED TO THE BASEPLATES. REFER ANCHOR BOLT DETAIL.
 - E ALL WELDING SHALL COMPLY WITH A.W.S. STANDARD D1.1.
 - F WELDING ELECTRODES SHALL BE E70 UNLESS OTHERWISE NOTED OR REQUIRED BY THE WELDING PROCEDURE SPECIFICATIONS FOR THE WORK BEING PERFORMED. ALL ELECTRODES USED ON THE PROJECT SHALL BE STORED AS REQUIRED BY A.W.S. D1.1.
 - G ALL FIELD WELDS SHALL BE VISUALLY INSPECTED BY A CERTIFIED WELD INSPECTOR. THE WELD INSPECTOR CAN SPECIFY OTHER WELD TESTING METHODS AT THE INSPECTOR'S DISCRETION.
 - H ALL FIELD BOLTED CONNECTIONS SHALL BE VISUALLY INSPECTED BY A SPECIAL INSPECTOR TO VERIFY ALL BOLTS ARE INSTALLED AND TIGHTENED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 - I DO NOT FLAME CUT HOLES IN THE FIELD FOR FRAMED CONNECTIONS.

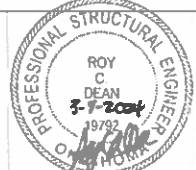


1 FOUNDATION PLAN
S2.1 SCALE: 1/4" = 1'-0"



2 ROOF FRAMING PLAN
S2.1 SCALE: 1/4" = 1'-0"

DEAN ENGINEERING, PC
7012 NW 63rd Street, Suite 100
Bethany, OK 73008 405 848 9202
CERTIFICATE OF AUTHORITY NO 8531
EXPIRES JUNE 30, 2024
COPYRIGHT DEAN ENGINEERING, PC 2024



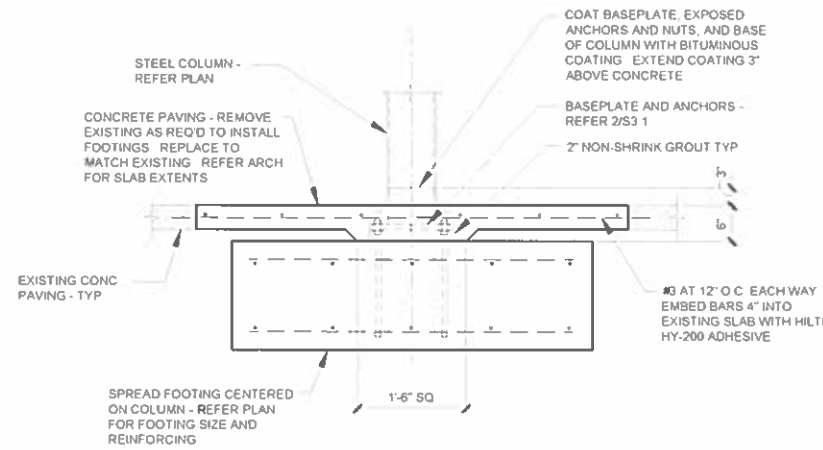
DATE	04-11-2024	SCALE	AS NOTED
DESIGNER	DPW/C	DATE	3-8-2024
CHECKER	CHD	DRAWN BY	RD
		CHECKED BY	RD



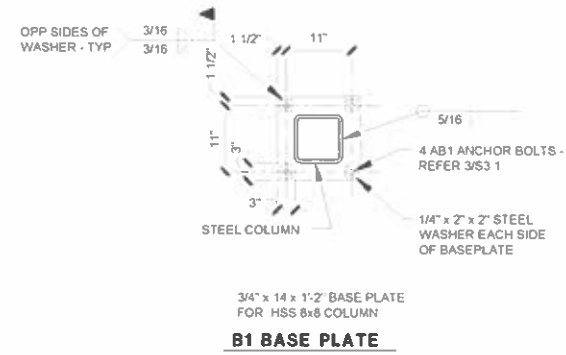
THE CITY OF BETHANY
BETHANY GO BOND RESTROOM AND PAVILION RENOVATIONS
ELDON LYON AND GARRISON PARKS

GENERAL STRUCTURAL NOTES,
FOUNDATION AND
ROOF FRAMING PLANS

SHEET NO.
S2.1



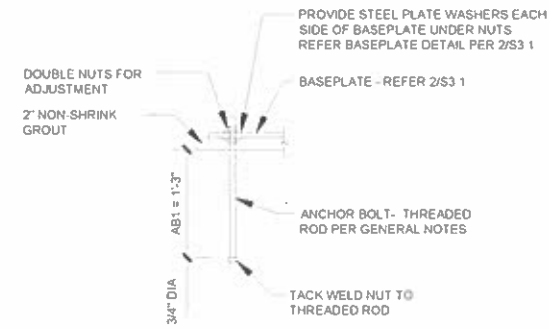
1 SECTION
S3.1 SCALE: 3/4" = 1'-0"



B1 BASE PLATE
3/4" x 14 x 1'-2" BASE PLATE FOR HSS 8x8 COLUMN

ANCHOR BOLT PLACEMENT IS CRITICAL FOR ALL COLUMNS. TEMPLATES MUST BE USED TO LOCATE AND SUPPORT ANCHOR BOLTS DURING CONCRETE PLACEMENT. WET STABBING ANCHORS IS NOT PERMITTED. EPOXY AND ADHESIVE ANCHORS ARE NOT ACCEPTABLE SUBSTITUTES FOR THE ANCHOR BOLTS.

2 TYPICAL BASE PLATE
S3.1 SCALE: NOT TO SCALE



3 TYPICAL ANCHOR BOLT
S3.1 SCALE: NOT TO SCALE

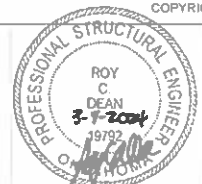
REV NO.	DATE	DRW. BY	CHKD.	REMARKS

SCALE: AS NOTED
DATE: 3-5-2024
DRAWN BY: RD
CHECKED BY: RCD



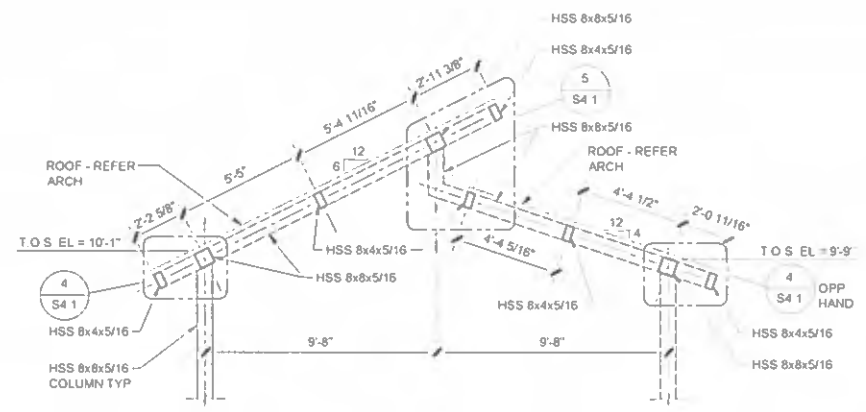
THE CITY OF BETHANY
BETHANY GO BOND RESTROOM AND PAVILION RENOVATIONS
ELDON LYON AND GARRISON PARKS

FOUNDATION SECTIONS AND DETAILS

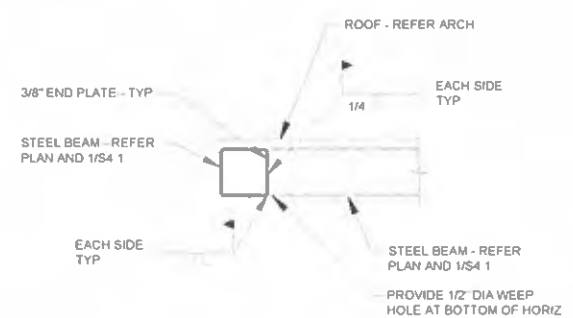


SHEET NO.
S3.1

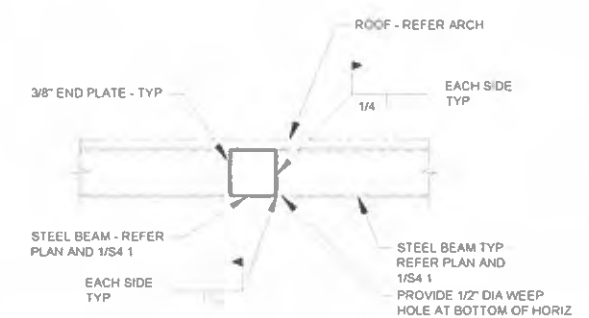
DEAN ENGINEERING, PC
7012 NW 63rd Street, Suite 100
Bethany, OK 73008 405 848 9202
CERTIFICATE OF AUTHORITY NO 8531
EXPIRES JUNE 30, 2024
COPYRIGHT DEAN ENGINEERING, PC 2024



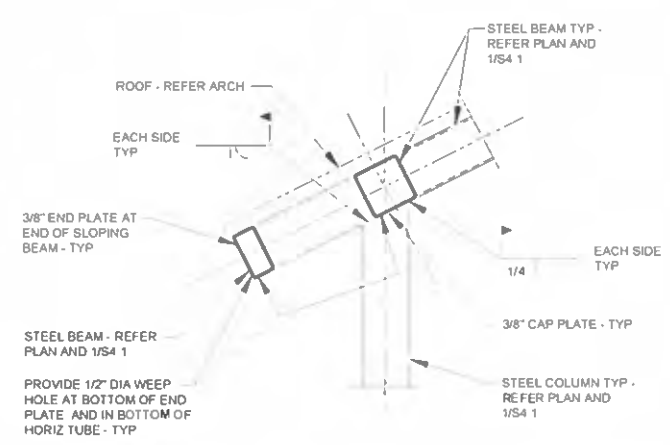
1 SECTION
S4.1 SCALE: 1/4" = 1'-0"



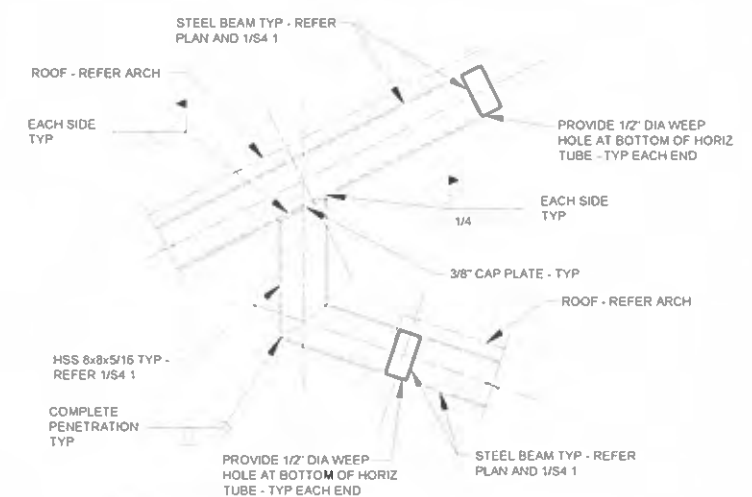
2 SECTION
S4.1 SCALE: 3/4" = 1'-0"



3 SECTION
S4.1 SCALE: 3/4" = 1'-0"



4 SECTION
S4.1 SCALE: 3/4" = 1'-0"



5 SECTION
S4.1 SCALE: 3/4" = 1'-0"

REV. NO.	DATE	DRW. CHG.	REMARKS

SCALE: AS NOTED
DATE: 3-5-2024
DRAWN BY: RCD
CHECKED BY: RCD



THE CITY OF BETHANY
BETHANY, OK 73008 PESTROOM MID
BAY ION RENOVATIONS
ELDON, MO AND GARRISON, PARKS

FRAMING SECTIONS
AND DETAILS



S4.1

DEAN ENGINEERING, PC
7012 NW 63rd Street, Suite 100
Bethany, OK 73008 405 848 9202
CERTIFICATE OF AUTHORITY NO 8531
EXPIRES JUNE 30, 2024
COPYRIGHT DEAN ENGINEERING, PC 2024

VALVE LEGEND	
	DOUBLE CHECK VALVE ASSEMBLY
	RPZ, 2" AND LARGER
	RPZ, 2" AND SMALLER
	GLOBE VALVE
	GATE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	PLUG VALVE
	CHECK VALVE - SWING TYPE
	VACUUM BREAKER
	PRESSURE REDUCING VALVE
	GAS PRESSURE REGULATOR
	BALANCING VALVE
	ORIFICE VALVE
	SUPERVISED VALVE
	MOTOR OPERATED VALVE
	SOLENOID OPERATED VALVE
	TEMPERATURE / PRESSURE RELIEF VALVE
	ANGLE VALVE
	SAFETY RELIEF VALVE

PIPING LEGEND	
	PIPE DROP
	PIPE RISE
	PIPE DROP @ 45°
	BRANCH TEE, TOP CONNECTION
	BRANCH TEE, BOTTOM CONNECTION
	CAP ON END OF PIPE
	PLUGGED TEE
	UNION
	FLANGED UNION
	DIELECTRIC UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	WYE STRAINER
	PIPE GUIDE
	PIPE BREAK
	FLOOR DRAIN, AREA DRAIN, FLOOR SINK
	P-TRAP
	VALVE IN RISE OR DROP
	PRESSURE GAUGE
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER WITH WELL
	THERMOMETER WELL
	AQUASTAT
	HOSE BIBB
	WALL HYDRANT
	VALVE IN YARD BOX
	METER (NATURAL GAS, CITY WATER)

LINETYPE LEGEND	
	EXISTING - TO BE REMOVED
	EXISTING - TO REMAIN
	EXISTING - TO REMAIN - BELOW FLOOR
	NEW
	NEW - BELOW FLOOR
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RETURN
	STORM
	VENT
	NATURAL GAS

PLUMBING ABBREVIATIONS	
ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ACCESS COVER
ACFM	ACTUAL CUBIC FEET PER MINUTE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ANT	ACID NEUTRALIZATION TANK
ATV	ATMOSPHERIC VENT
AWW	ACID WASTE VENT
AW	ACID WASTE
BFP	BACKFLOW PREVENTER
BPV	BUTTERFLY VALVE
BLDG	BUILDING
BLR	BOILER
BOP	BOTTOM OF PIPE
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BW	BACKWATER VALVE
C	CELSIUS (DEGREES)
CA	COMPRESSED AIR
CB	CATCH BASIN
CD	CONDENSATE DRAIN
CFI	CONTRACTOR FURNISHED - CONTRACTOR INSTALLED
CFM	CUBIC FOOT PER MINUTE
CI	CAST IRON
CKV	CHECK VALVE
CLG	CEILING
CO	CLEANOUT
COB	COMBINATION
CCP	CENTER OF PIPE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CUP SINK
CSS	CLINICAL SERVICE SINK
CW	CITY WATER
DC	DOUBLE CHECK VALVE
DCW	DOMESTIC COLD WATER
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DHW-TEMP	DOMESTIC HOT WATER
DHW-TEMP	DOMESTIC HOT WATER RETURN
DI	DIIONIZED WATER
DI	DIAMETER
DWT	DEIONIZED WATER TANK
DR	DRAIN
DS	DOWNSPOUT
DT	DRAIN TILE
DTL	DETAIL
DVD	DRAWING
DWH	DOMESTIC WATER HEATER
DWR	DISHWASHER
DWS	DOMESTIC WATER SOFTENER
DWST	DOMESTIC WATER STORAGE TANK
DW	DRAIN WASTE & VENT
EA	EACH
EC	ELECTRICAL CONTRACTOR
ES	EMERGENCY SHOWER
ET	EXPANSION TANK
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH / SHOWER
EWC	ELECTRIC WATER COOLER
EX (E)	EXISTING
F	FAHRENHEIT (DEGREES)
FA	FLAME ARRESTOR
FDD	FLOOR CLEANOUT

PLUMBING ABBREVIATIONS	
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FH	FLOOR HYDRANT
FDF	FUEL OIL FILL
FDS	FUEL OIL SUPPLY
FDR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FP	FIRE PROTECTION
FC	FIRE SUPPRESSION CONTRACTOR
FS	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FT	FLUSH TANK
FV	FLUSH VALVE
GAL	GALLON
GOO	GROUND CLEANOUT
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GTC	GENERAL CONTRACTOR
GS	GALVANIZED STEEL
GW	GREYWATER
HB	HOSE BIBB
HD	HUB DRAIN
HP	HORSE POWER
HX	HEAT EXCHANGER
HYD	FIRE HYDRANT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INT	INTERCEPTOR (OIL, GREASE)
JP	JOCKEY PUMP
KEC	KITCHEN EQUIPMENT CONTRACTOR
LA	LABORATORY AIR
LAV	LABORATORY
LG	LABORATORY GAS
LP	LIQUID PROPANE
LT	LAUNDRY TRAY
LW	LABORATORY WASTE
LWW	LABORATORY WASTE VENT
MANUF	MANUFACTURER
M	METER (WATER, NATURAL GAS)
MA	MEDICAL AIR
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MH	MANHOLE
MHC	MANHOLE COVER
MIN	MINIMUM
MSB	MOP SERVICE BASIN
N C	NORMALLY CLOSED
N O	NORMALLY OPEN
NIC	NOT IN CONTRACT
NG-PRESS	NATURAL GAS
NG-HP	NATURAL GAS - HIGH PRESSURE
NG-M	NATURAL GAS - INTERMEDIATE PRESSURE
NG-LP	NATURAL GAS - LOW PRESSURE
NG-MP	NATURAL GAS - MEDIUM PRESSURE
NPT	NATIONAL PIPE THREAD
NPW	NON-POTABLE WATER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
P	PUMP
PD	PLANTER DRAIN
PH	POST HYDRANT
PI	PRESSURE INDICATOR

PLUMBING ABBREVIATIONS	
PR	PROPANE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLASTER TRAP
PTS	PNEUMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PNDF	POLYETHYLENE FLUORIDE
PW	PROCESS WASTE
PWH	PACKAGE WATER HEATER SYSTEM
RPC	RECIRCULATION PUMP
RD	ROOF DRAIN
RO	REVERSE OSMOSIS WATER
ROR	REVERSE OSMOSIS WATER RETURN
ROS	REVERSE OSMOSIS WATER SUPPLY
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RV	RELIEF VALVE
SAW	SANITARY WASTE
SAWV	SANITARY WASTE VENT
SC	SHOWER CONTROLLER
SCFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SD	SHOWER DRAIN
SDR	STANDARD DIMENSION RATIO
SES	SEWAGE EJECTOR SYSTEM
SG	SPECIALTY GAS
SH	SHOWER HEAD / MODULE
SHT	SHEET
SK	SINK
SOL	SOLENOID VALVE
SP	SUMP PUMP
SS	STAINLESS STEEL
SOD	SECONDARY STORM DRAIN
SSK	SERVICE SINK
SST	SECONDARY STORM
ST	STORM
STM	STEAM
SW	SOFT WATER
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD (IN FEET)
TI	TEMPERATURE INDICATOR
TK	TANK
TMV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TP	TRAP PRIMER
TW-TEMP	TEMPERED WATER
TWR-TEMP	TEMPERED WATER RETURN
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
WI	WITH
WB	WALL BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WFU	WATER FIXTURE UNIT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WWS	WELL WATER SUPPLY
YD	YARD DRAIN
YH	YARD HYDRANT

PROJECT GENERAL NOTES:

- A. "GENERAL NOTES" APPLY TO ALL DRAWINGS ISSUED FOR THIS PROJECT. "DRAWING NOTES" APPLY ONLY TO THE SHEETS ON WHICH THEY APPEAR. THE WORD "PROVIDE" MEANS "FURNISH AND INSTALL".
- B. THE LEGEND SHEET IS GENERAL IN NATURE AND NOT ALL ITEMS SHOWN APPLY TO THIS PROJECT.
- C. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING, EXAMINE ALL EXISTING CONDITIONS, AND VERIFY ALL DIMENSIONS. SEE WRITTEN SPECIFICATIONS ON SHEET MP-5.
- D. ALL WORK TO BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES, AND ANY OTHER AUTHORITIES HAVING JURISDICTION. REFER TO ARCHITECTURAL DRAWINGS FOR FEDERAL ADA FIXTURE REQUIREMENTS (IF ANY).
- E. COORDINATE WORK WITH OTHER TRADES AND CONSTRUCTION MANAGER TO AVOID INTERFERENCES BEFORE BEGINNING WORK. DRAWINGS ARE DIAGRAMMATIC REPRESENTATIONS OF THE WORK. DO NOT SCALE THE DRAWINGS TO DETERMINE EXACT LOCATIONS, DISTANCES, OR SIZES. TAKE FIELD MEASUREMENTS TO MAKE THESE DETERMINATIONS.
- F. CONTRACTOR MUST AVOID SEVERANCE OR DAMAGE TO BURIED SERVICE LINES SHOULD DAMAGE OCCUR. REPAIRS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.

MECHANICAL / PLUMBING GENERAL NOTES:

- A. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF ALL SYSTEMS AS INDICATED ON THE DRAWINGS.
- B. WHERE FIXTURES OR EQUIPMENT ARE BEING REPLACED, CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING SYSTEM AT PROJECT COMPLETION. REPAIR OR REPLACE EXISTING PIPING WHERE NECESSARY TO PROVIDE A COMPLETE WORKING SYSTEM IN COMPLIANCE WITH THE 2015 IPC.
- C. COORDINATE THE EXACT LOCATIONS OF FLOOR DRAINS AND FIXTURES WITH THE APPLICABLE EQUIPMENT CONTRACTORS, FLOOR CONTRACTOR, AND GENERAL CONTRACTOR (IF APPLICABLE) OR ARCHITECT PRIOR TO BEGINNING WORK.
- D. LOCATE AND ESTABLISH ALL INVERT ELEVATIONS IN THE FIELD.
- E. REFER TO PIPING SCHEMATICS AND OTHER DETAILS FOR ARRANGEMENT OF PIPING AND FOR SIZES NOT SHOWN ON PLANS. IN ANY CASE WHERE A PIPE SIZE SHOWN ON A PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC, SECTION, OR DETAIL, USE THE LARGER OF THE TWO SIZES SHOWN.
- F. INSTALL PIPING IN PIPE CHASES, ABOVE CEILINGS, AND IN STUD WALLS. INSTALL HORIZONTAL MAINS AND BRANCHES AS HIGH AS PRACTICAL. MAKE OFFSETS IN PIPING TO AVOID INTERFERENCE AND CONTACT WITH WORK OF OTHER TRADES WHETHER SHOWN ON DRAWINGS OR NOT. DO NOT INSTALL LIQUID CARRYING PIPING IN OUTSIDE WALLS OR IN ANY OTHER AREAS SUBJECT TO FREEZING TEMPERATURES.
- G. SLOPE ALL GRAVITY PIPING OF SIZES 3" DIAMETER AND LARGER AT 1/8" / FT MINIMUM AND SIZES 2 1/2" AND SMALLER AT 1/4" / FT MINIMUM WHERE NOT OTHERWISE INDICATED.
- H. USE FITTINGS FOR ALL PIPE CHANGES IN DIRECTION AND SIZE AND BRANCH CONNECTIONS. EXTRUDED TEE CONNECTIONS AND BUSHINGS SHALL NOT BE USED.
- I. INSTALL VALVES IN ACCESSIBLE LOCATIONS AND IN SUCH A MANNER AS TO BE EASILY OPERABLE. PROVIDE DCW ISOLATION VALVES ON ALL BRANCHES OFF MAIN PIPE. EVERY PLUMBING FIXTURE SHALL HAVE ISOLATION VALVES FOR FIXTURE REMOVAL AND MAINTENANCE PURPOSES.
- J. FOR ALL WATER SUPPLY PIPES FROM BELOW GRADE, INSTALL MANUAL AIR VENTS AT HIGH POINTS AND DRAIN VALVES WITH HOSE END CONNECTIONS AT THE LOW POINTS OF THE PIPE, ALLOWING FOR COMPLETE SYSTEM DRAINING FOR WINTERIZATION.
- K. FURNISH ACCESS PANELS TO GENERAL CONTRACTOR FOR INSTALLATION IN WALLS OR CEILING. ACCESS PANELS ARE FOR ALL EQUIPMENT AND SPECIALTIES SUCH AS VALVES, WATER HAMMER ARRESTORS, OR OTHER DEVICES WHICH MAY REQUIRE ACCESS FOR MAINTENANCE OR OPERATION. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF THE ACCESS PANELS.
- L. PROVIDE TRAP PRIMERS AND TYPE "K" COPPER PIPING TO ALL FLOOR DRAIN, FLOOR SINK, AND HUB DRAIN TRAPS, AND OTHER TRAPS REQUIRING PRIMING WHETHER SHOWN ON DRAWINGS OR NOT.

REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 2/28/24
DRAWN BY: EG
CHECKED BY: OG



THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

MECHANICAL / PLUMBING
LEGENDS & NOTES

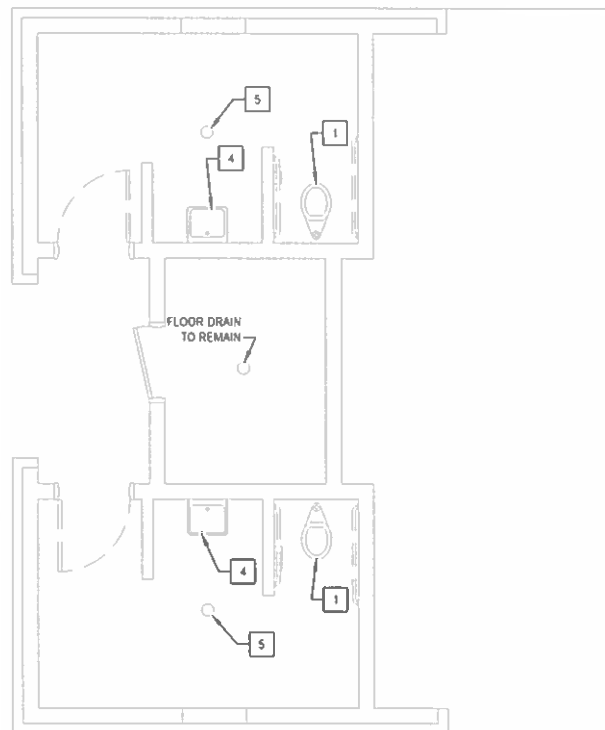


PROJECT ET424-15
SHEET
MP-1
SHEET 1 OF 5

Gwin Engineering Consultants, LLC
34285 | 180 Road Circle Dr | 74134
Phone: (405) 850-9301
Email: ogwin@gwin-engineering.com
Oklahoma License No. 1546 Expires 6/30/2024

DRAWING NOTES - DEMOLITION:

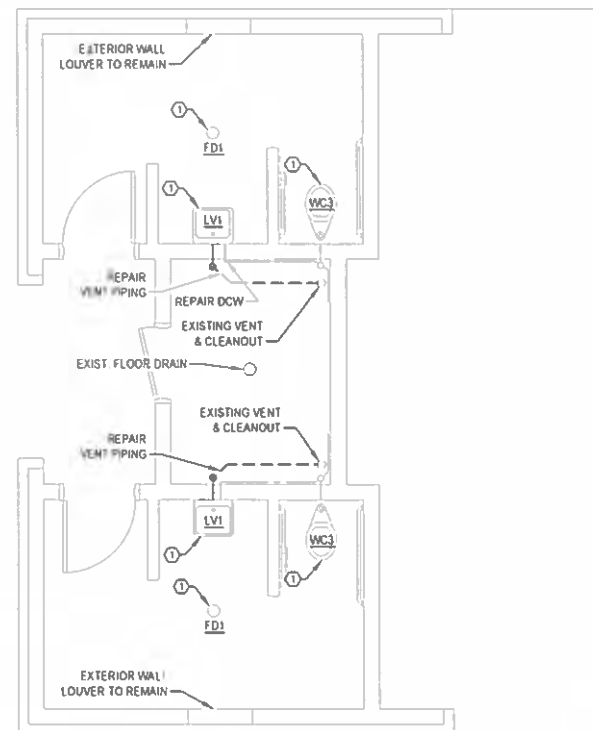
- 1 REMOVE EXISTING FLOOR-MOUNTED WATER CLOSET
- 2 REMOVE EXISTING WALL-MOUNTED WATER CLOSET
- 3 REMOVE EXISTING WALL-MOUNTED URINAL
- 4 REMOVE EXISTING WALL-MOUNTED SINK
- 5 REMOVE EXISTING FLOOR DRAIN



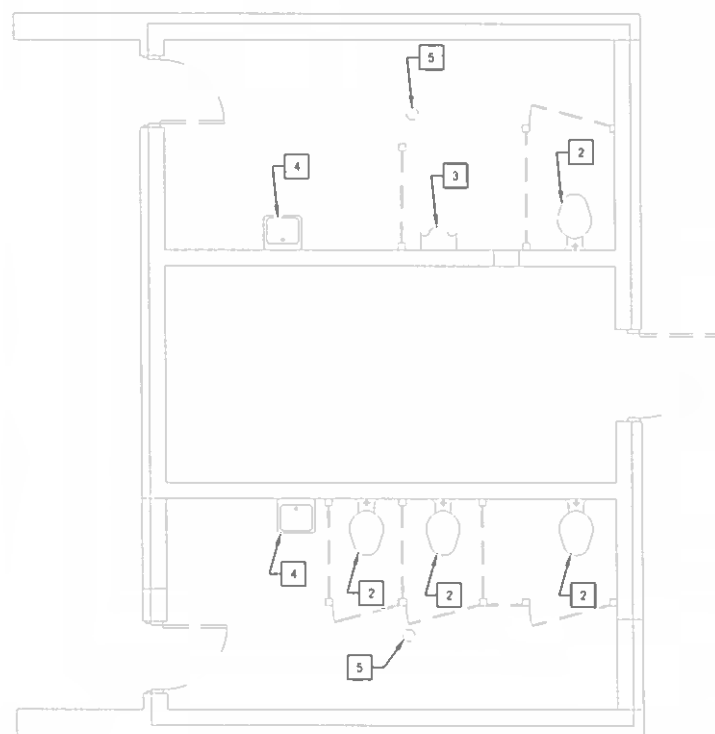
1 MECH / PLBG DEMO PLAN - MACRORY PARK
SCALE 1/4"=1'-0"

DRAWING NOTES - RENOVATION:

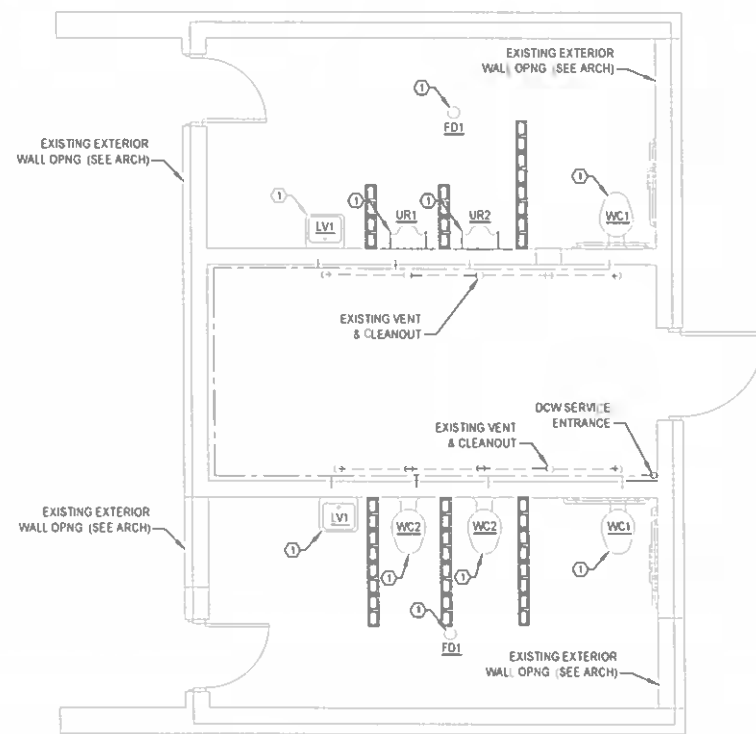
- 1 NEW PLUMBING FIXTURE SEE FIXTURE SCHEDULE ON SHEET MP-4 FOR SPECIFICATION AND BRANCH PIPING SIZES. REPAIR OR REPLACE ALL EXISTING BRANCH PIPING AND ACCESSORIES TO ACCOMMODATE THE NEW FIXTURE PER THE 2018 INTERNATIONAL PLUMBING CODE (IPC) AND THESE CONTRACT DOCUMENTS



2 MECH / PLBG RENOVATION PLAN - MACRORY PARK
SCALE 1/4"=1'-0"



3 MECH / PLBG DEMO PLAN - RIPPER PARK
SCALE 1/4"=1'-0"



4 MECH / PLBG RENOVATION PLAN - RIPPER PARK
SCALE 1/4"=1'-0"

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 2/28/24
DRAWN BY: EG
CHECKED BY: OG



THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

MECHANICAL / PLUMBING
FLOOR PLANS



Gwin Engineering Consultants, LLC
1405 E. 180th Street, Oklahoma City, OK 73141
Phone: 405.800.0205
Email: ogwin@gwin-engineering.com
Oklahoma City, OK 73141

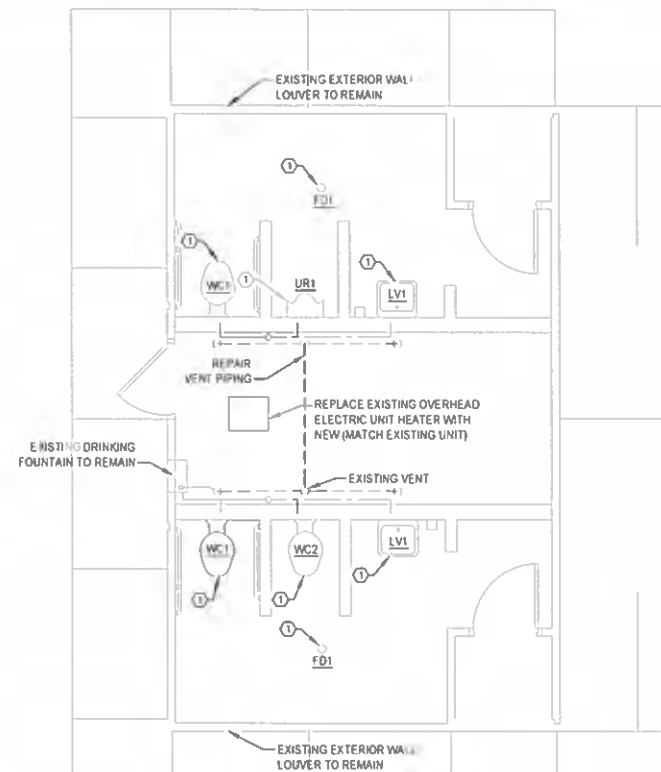
PROJECT ET424-15
SHEET MP-2
SHEET 2 OF 5



DRAWING NOTES - DEMOLITION:

- 1 REMOVE EXISTING FLOOR-MOUNTED WATER CLOSET
- 2 REMOVE EXISTING WALL-MOUNTED WATER CLOSET
- 3 REMOVE EXISTING WALL-MOUNTED URINAL
- 4 REMOVE EXISTING WALL-MOUNTED SINK
- 5 REMOVE EXISTING FLOOR DRAIN

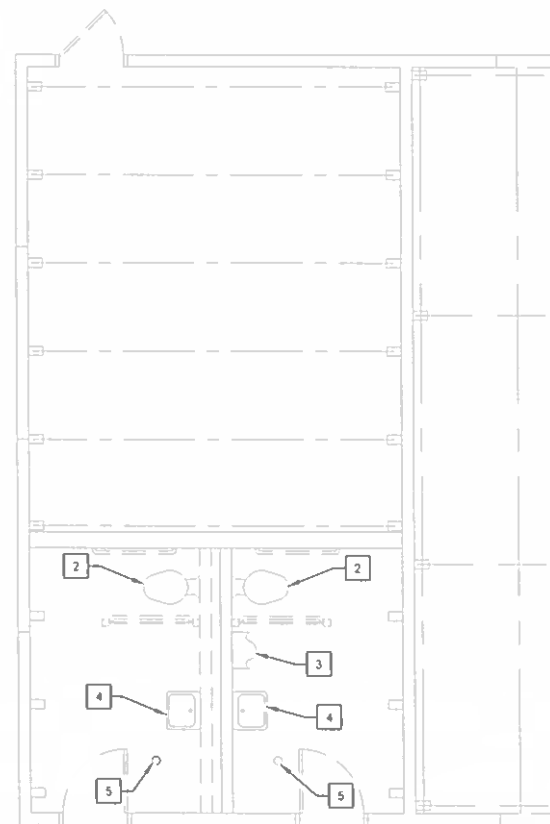
1 MECH / PLBG DEMO PLAN - ELDON LYON PARK (2 BLDGS)
SCALE 1/4"=1'-0"



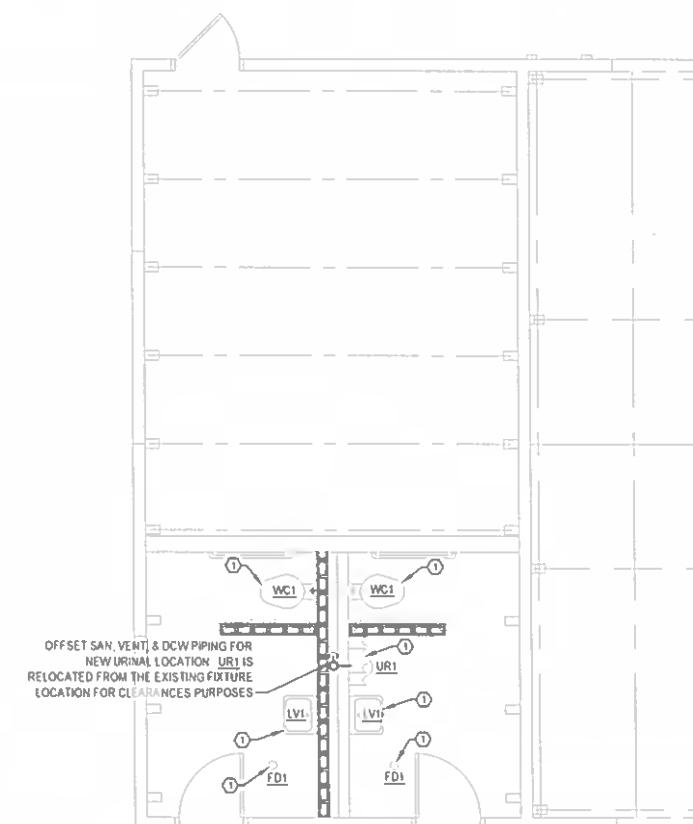
DRAWING NOTES - RENOVATION:

- 1 NEW PLUMBING FIXTURE SEE FIXTURE SCHEDULE ON SHEET MP-4 FOR SPECIFICATION AND BRANCH PIPING SIZES. REPAIR OR REPLACE ALL EXISTING BRANCH PIPING AND ACCESSORIES TO ACCOMMODATE THE NEW FIXTURE PER THE 2018 INTERNATIONAL PLUMBING CODE (IPC) AND THESE CONTRACT DOCUMENTS

2 MECH / PLBG RENOVATION PLAN - ELDON LYON PARK (2 BLDGS)
SCALE 1/4"=1'-0"



3 MECH / PLBG DEMO PLAN - GARRISON PARK
SCALE 1/4"=1'-0"



4 MECH / PLBG RENOVATION PLAN - GARRISON PARK
SCALE 1/4"=1'-0"

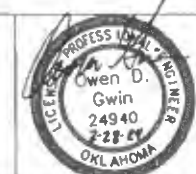
REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 2/28/24
DRAWN BY: EG
CHECKED BY: OG



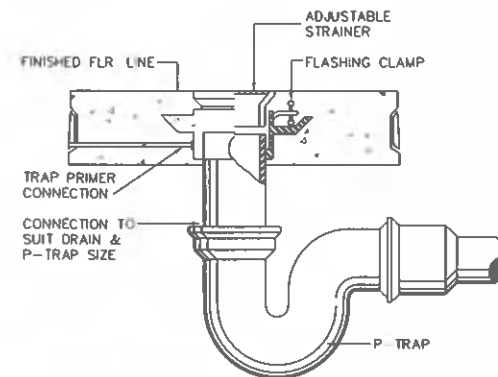
THE CITY OF BETHANY
PROPOSITIONS 2-A 2-B 2-C 2-D
RESTROOM / PAVILION FACILITIES

MECHANICAL / PLUMBING
FLOOR PLANS

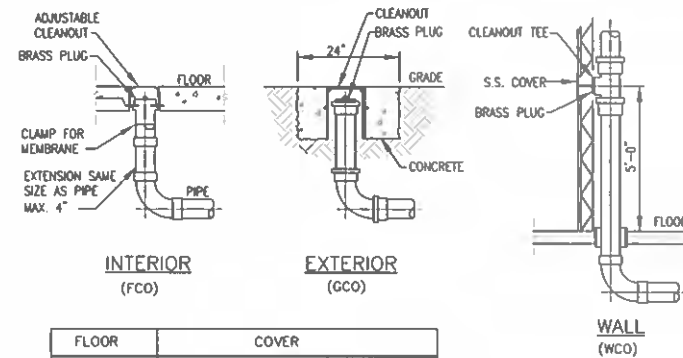


Gwin Engineering Consultants, LLC
36280 E 480 Road, Chandler, OK 74015
Phone: 405-848-0000
Email: ogwin@gwin-engineering.com
Oklahoma CA # 1949 License # 2020014

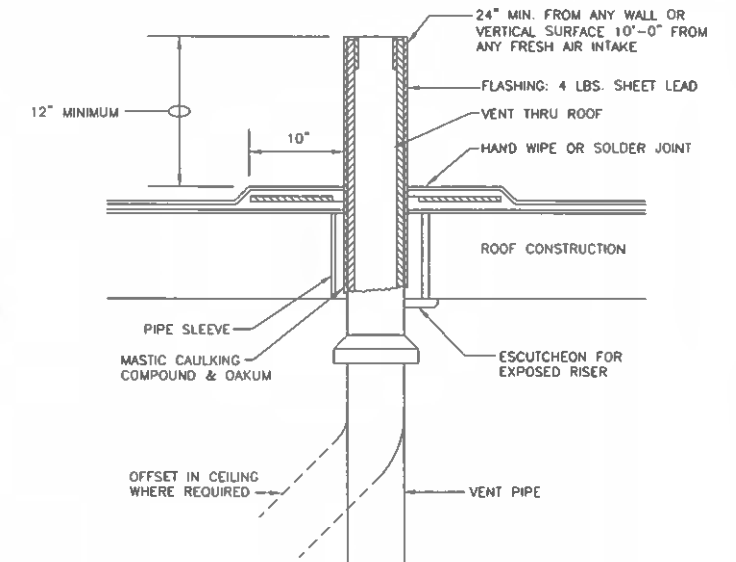
PROJECT ET424-15
SHEET MP-3
SHEET 3 OF 5



3 FLOOR DRAIN DETAIL
SCALE: NTS



2 CLEANOUT DETAIL
SCALE: NTS



1 VENT THRU ROOF (VTR) DETAIL
SCALE: NTS

ALTERNATE P1

ALTERNATE P1 - PLUMBING FIXTURE SCHEDULE					
NOTE: COORDINATE ALL FIXTURES WITH ARCHITECT & OWNER					
TAG	DESCRIPTION	MANUF.	MODEL	PIPING CONNECTIONS	NOTES
WC1	WALL MOUNTED 16GA 304 STAINLESS STEEL WATER CLOSET - ADA HEIGHT - 1.6 GPF CONTOURED S.S. TOILET SEAT INTEGRAL TO WATER CLOSET FIXTURE CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	ACORN SLOAN ROYAL	2100-W 151	1" CW, 4" S, 2" V	2, 4, 6
WC2	WALL MOUNTED 16GA 304 STAINLESS STEEL WATER CLOSET - STANDARD HEIGHT - 1.6 GPF CONTOURED S.S. TOILET SEAT INTEGRAL TO WATER CLOSET FIXTURE CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	ACORN SLOAN ROYAL	2100-W 151	1" CW, 4" S, 2" V	2, 4, 6
WC3	FLOOR MOUNTED 16GA 304 STAINLESS STEEL WATER CLOSET - ADA HEIGHT - 1.6 GPF CONTOURED S.S. TOILET SEAT INTEGRAL TO WATER CLOSET FIXTURE CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	ACORN SLOAN ROYAL	R2141-W-1 151	1" CW, 4" S, 2" V	2, 4
UR1	WALL MOUNTED 16GA 304 STAINLESS STEEL URINAL - ADA HEIGHT - 0.5 GPF CONCEALED FLUSH VALVE - 0.5 GPF - PUSH BUTTON	ACORN SLOAN ROYAL	R2158-W-1 195	3/4" CW, 3" S, 1-1/2" V	4, 6
UR2	WALL MOUNTED 16GA 304 STAINLESS STEEL URINAL - STANDARD HEIGHT - 0.5 GPF CONCEALED FLUSH VALVE - 0.5 GPF - PUSH BUTTON	ACORN SLOAN ROYAL	R2158-W-1 195	3/4" CW, 3" S, 1-1/2" V	4, 6
LV1	LAVATORY - 18" WIDE WALL MOUNTED 14GA 304 STAINLESS STEEL ADA COMPLIANT FAUCET - PUSH BUTTON ACTIVATION PNEUMATIC OPERATION	ACORN INTEGRAL W/ FIXTURE	1652P-ALRB	1/2" CW, 1/2" HW, 2" S, 0-1/4" V	1, 3, 4, 5, 6
FD1	FLOOR DRAIN	DATEY TRUE SET	TP313B	1/2" TRAP PRIMER, 3" S, 1-1/2" V	

NOTES:
 1. CHROME PLATED ANGLE SUPPLY WITH LOOSE KEY STOPS & CHROME PLATED ESCUTCHEON
 2. BOLT CAPS WITH RETAINER CLIPS
 3. PROVIDE CHROME PLATED STRAINER AND DRAIN TAILPIECE, AND 1-1/4" CHROME PLATED TUBULAR P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON
 4. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
 5. PROVIDE TRUEBRO 102 AND 105 TAILPIECE INSULATION KITS WHERE DHW AND/OR DRAIN TAILPIECE IS EXPOSED BELOW LAVATORY
 6. PROVIDE WALL CARRIER - COORDINATE WITH WALL TYPE INDICATED ON ARCHITECTURAL DRAWINGS

BASE BID - PLUMBING FIXTURE SCHEDULE					
NOTE: COORDINATE ALL FIXTURES WITH ARCHITECT & OWNER					
TAG	DESCRIPTION	MANUF.	MODEL	PIPING CONNECTIONS	NOTES
WC1	WALL MOUNTED VITREOUS CHINA WATER CLOSET - BACK SPUD - ADA HEIGHT TOILET SEAT - EXTRA HEAVY DUTY OPEN FRONT CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	AMERICAN STANDARD AMERICAN STANDARD SLOAN ROYAL	3353 118 5905 100 151	1" CW, 4" S, 2" V	2, 4
WC2	WALL MOUNTED VITREOUS CHINA WATER CLOSET - BACK SPUD - STANDARD HEIGHT TOILET SEAT - EXTRA HEAVY DUTY OPEN FRONT CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	AMERICAN STANDARD AMERICAN STANDARD SLOAN ROYAL	3353 101 5905 100 151	1" CW, 4" S, 2" V	2, 4
WC3	FLOOR MOUNTED VITREOUS CHINA WATER CLOSET - BACK SPUD - ADA HEIGHT TOILET SEAT - EXTRA HEAVY DUTY OPEN FRONT CONCEALED FLUSH VALVE - 1.6 GPF - PUSH BUTTON	AMERICAN STANDARD AMERICAN STANDARD SLOAN ROYAL	MADERA FLOWISE 5905 100 151	1" CW, 4" S, 2" V	2, 4
UR1	WALL MOUNTED VITREOUS CHINA URINAL - BACK SPUD - ADA HEIGHT CONCEALED FLUSH VALVE - 1.0 GPF - PUSH BUTTON	AMERICAN STANDARD SLOAN ROYAL	WASH BRIDOK 6515 001 609	3/4" CW, 3" S, 1-1/2" V	4, 6
UR2	WALL MOUNTED VITREOUS CHINA URINAL - BACK SPUD - STANDARD HEIGHT CONCEALED FLUSH VALVE - 1.0 GPF - PUSH BUTTON	AMERICAN STANDARD SLOAN ROYAL	WASH BRIDOK 6515 001 609	3/4" CW, 3" S, 1-1/2" V	4, 6
LV1	LAVATORY - 21" X 20 3/4" WALL HUNG - W/ GRID STRAINER SENSOR FAUCET (BATTERY POWERED)	AMERICAN STANDARD SLOAN	DECORUM 913400DEC SF 2350-BAT	1/2" CW, 1/2" HW, 2" S, 1-1/4" V	1, 3, 4, 5, 6
FD1	FLOOR DRAIN	DATEY TRUE SET	TP313B	1/2" TRAP PRIMER, 3" S, 1-1/2" V	

NOTES:
 1. CHROME PLATED ANGLE SUPPLY WITH LOOSE KEY STOPS & CHROME PLATED ESCUTCHEON
 2. BOLT CAPS WITH RETAINER CLIPS
 3. PROVIDE CHROME PLATED STRAINER AND DRAIN TAILPIECE, AND 1-1/4" CHROME PLATED TUBULAR P-TRAP WITH CLEANOUT PLUG AND ESCUTCHEON
 4. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS.
 5. PROVIDE TRUEBRO 102 AND 105 TAILPIECE INSULATION KITS WHERE DHW AND/OR DRAIN TAILPIECE IS EXPOSED BELOW LAVATORY
 6. PROVIDE WALL CARRIER - COORDINATE WITH WALL TYPE INDICATED ON ARCHITECTURAL DRAWINGS

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 2/28/24
 DRAWN BY: EG
 CHECKED BY: OG



THE CITY OF BETHANY
 PROPOSITIONS 2-A 2-B 2-C 2-D
 RESTROOM / PAVILION FACILITIES

MECHANICAL / PLUMBING
 DETAILS & SCHEDULES



Gwin Engineering
 Consultants, LLC
 34202 E 40th Street, Chandler, OK 74015
 Phone: (405) 800-0208
 Email: ogwin@gwin-engineering.com
 Oklahoma State License # 69292014

PROJECT ET424-15
 SHEET
 MP-4
 SHEET 4 OF 5

PLUMBING SPECIFICATIONS

PART 1 - GENERAL

A INTENT

The intent of this section is to cover Basic Mechanical Requirements specifically applicable to plumbing.

B GENERAL REQUIREMENTS

Visit the building site prior to bidding, examine all existing conditions, and verify all dimensions. No extras will be awarded after the contract is signed if conflicts or obstructions between new work and existing construction are not reported.

Work installed by the Contractor which interferes with or affects the existing structures shall be changed as directed and all costs incident to such changes shall be paid by the Contractor.

Any existing condition uncovered during the construction process which, by generally accepted construction practices, should be remedied, should be brought to the attention of the architect immediately and in writing.

Specific locations, mounting heights and overall dimensions of devices and fixtures are to be obtained from the architectural details when available and from site data.

All work of this contract shall be done neatly and proficiently and only by workers skilled in their particular craft.

Except where modified by specific notation to the contrary, it shall be understood that the indication and/or description of any item in the drawings, specifications, or both carries with it the instruction to furnish and install the item, regardless of whether or not the instruction is explicitly stated as part of the indication or description.

All work shall be done during normal working hours.

C SCOPE OF WORK

Provide all materials, labor, equipment and services necessary for the installation of all systems as indicated on the drawings.

D CONTRACT DRAWINGS

The contract drawings for the work are diagrammatic, intended to convey the scope of work and indicate the general arrangement and approximate location of equipment and piping. The contractor shall be responsible for checking and verifying all conditions and dimensions. Do not scale drawings.

Drawing Definitions: Where the term "provide" is used, this shall mean furnish and install, complete and ready for the intended use. "Furnish" means supply and deliver to the Project site, ready for unloading, unpacking, assembly, and installation. "Install" describes the operations at the Project site including the actual assembly, erection, anchoring, and all similar operations.

Provide any offsets, fittings, etc. necessary for the complete installation of all work of the contract. Provide any accessories required for the complete installation and operation of all systems.

Include all costs to make any alterations and offsets of materials, pipe, conduits, etc., and of equipment as necessary to avoid installation conflicts with existing work.

The drawings and specifications are complementary and any work and material required by the drawings and not mentioned in the specifications or vice versa, shall be executed as if same were both specified and shown.

Any questions or conflict between drawings and specifications, shall be referred to the Engineer.

The Engineer reserves the right to require any and all Contractors to make minor changes in arrangements at no additional cost to the Owner.

E CODES, STANDARDS AND TESTS

All systems and components shall be installed in accordance with all state, county and local codes and regulations.

All tests shall be performed in accordance with state, county, local, Owner's and engineer's requirements.

F PERMITS

The Contractor is responsible for applying for all required permits and paying for all permit, inspection, licensing, and service fees to authorities having jurisdiction over the work. The Contractor is responsible for arranging for all inspection visits.

G COORDINATION

Perform work under this contract in close harmony with other contractors so completed work shall present a neat and workmanlike installation. The mechanical contractor shall consult the plans of all other trades in all instances before installing their work so that their installations will not interfere with other disciplines. In the event of a conflict, this contractor shall report to the Owner at once and do no further work until a satisfactory arrangement is decided upon. Any work done, or equipment placed in position by this contractor, creating a conflict in violation thereof, shall be readjusted to the satisfaction of the Owner at the expense of the contractor. The decision of the Owner shall be final in regard to changes due to conflicting conditions.

H SUBMITTALS

Submit to engineer/architect ONE (1) electronic copy in PDF format of certified shop drawings, descriptive data, diagrams and specifications on all specified materials and equipment for review in ample time before manufacturers are authorized to make shipment. The information submitted shall be prepared and arranged in a format which will permit easy identification and comparison by the engineer/architect of specified equipment. It shall be the responsibility of the Contractor to furnish any additional copies (showing architect/engineer stamp and comments) as necessary for suppliers and/or building officials.

The make, type and finish of all materials, equipment and apparatus shall be approved by the engineer/architect in writing before the Contractor installs it. Any substitution for any specified equipment or material shall first be approved by the engineer/architect in writing.

Submit typewritten schedule showing all electrical characteristics and requirements for all electrically operated equipment. The schedule shall be used by the electrical Contractor from which he will prepare their work.

Shop drawings shall include, but are not limited to the following: make, model number, dimensions, electrical characteristics (rating). Shop drawings shall bear name of project and location.

Any changes to items specified must be submitted as a substitution with complete documentation of price differential and equipment details.

I RECORD DRAWINGS

Contractor shall keep at least one set of colored corrected shop and design drawings at the site. Drawings shall be current, denoting approved modifications and installed departure.

All valves which are installed below grade or installed within walls shall be dimensionally located on the record drawings.

J OWNER FURNISHED EQUIPMENT

All equipment that is furnished by the Owner is assigned to the Contractor that is designated to install the equipment as though the Contractor furnished the equipment itself. The Contractor is responsible for all aspects of the equipment including verifying the order, coordinating and accepting delivery, rigging, installation, start-up coordination, warranty repairs, collection and submittal of equipment manuals, and all other activities associated with the equipment unless specifically indicated otherwise. Refer to the pre-purchase specifications or order forms used by the Owner to select the equipment for any features included with each piece of equipment.

K CUTTING AND PATCHING

The Contractor is responsible for any cutting, patching, painting, supports, and roofing as required to complete work indicated on drawings. Restoration shall be handled in a manner acceptable to the engineer/architect. All floor or fire wall penetrations are to be firestopped. Use Dow Corning 3-9548 silicone RTV foam or approved equal.

Repair adjacent construction and finishes in ceilings, walls, floors or partitions that have been damaged during demolition or created during extension of work. Repair all penetrations in fire rated ceilings, walls, floors or partitions to the original fire ratings using approved fire stop materials.

L PREPARATION

Coordinate the installation of equipment with the schedules of other trades to prevent unnecessary delays in the total project.

M EQUIPMENT VERIFICATION

Verify all equipment ratings, connections and locations with installing Contractor before installation.

The Contractor shall verify that all equipment furnished will properly fit in the space provided, that it will function properly, and that all parts of equipment requiring service are readily accessible.

N CLEANING / DEBRIS REMOVAL

The Contractor shall remove from the premises all accumulation of dirt, debris, waste materials and rubbish caused by their employees or work, at least once a week, except that combustible materials shall be removed daily.

Clean equipment to remove foreign objects and markings. The Contractor is responsible for any damages caused by work of their trade.

O SUBSTITUTIONS

Certain makes of materials and equipment are specified and drawings are detailed according to this material. Contractor shall base their bid on furnishing and installing the specified make and model or the "equivalent" model of another of the specified manufacturers which meets all the qualifications of the specified items.

"Equivalent" materials and equipment are those of manufacturer which meet the same standards of performance, have equal or better materials of construction, and equal or better maintenance characteristics. All equivalents must fit the space provided in the building structure. Where the use of equivalents results in changes, the Contractor shall be responsible for such changes and any costs resulting from them.

If the Contractor intends to use equipment or materials not specified, he must receive written approval from the engineer/architect prior to the award of the contract. This prior approval only permits submittal of a particular manufacturer's equipment in general. The specified item to be used must again be submitted for final review as specified under "shop drawings."

P WARRANTY

The Contractor shall provide a written warranty of all work done under this contract for a period of one year from date of substantial completion. The Contractor shall, at their own expense, remedy any defects due to faulty materials and/or workmanship and pay any damage to other work resulting from such defects and/or the remedying thereof, which shall appear within the warranty period.

All materials shall be free of defects or errors which would result in poor application or cause defects in workmanship.

Q PROJECT CLOSURE

Furnish three final copies of installation and maintenance manuals, warranties, and other submittal data indicated for inclusion. Bind in 3-ring binders with tabs for each division or major piece of equipment. Include wiring diagrams, parts catalogs, and other manufacturer's information.

Submit a certificate of final inspection and approval. Submit release of liens for all subcontractors and suppliers. Submit record drawings.

Final payment will not be approved until all closure items are received.

R REFERENCES

Where applicable, the following standards shall apply to materials, equipment, and workmanship provided to meet these specifications:

- ASME Sec 9 - Welding and Brazing Qualifications
- ASME B16.3 - Malleable Iron Threaded Fittings Class 150 and 300
- ASME B16.22 - Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
- ASME B31.5 - Refrigeration Piping
- ASTM A53 - Pipe, Steel, Black and Hot-Dipped, Zinc Coated Welded and Seamless (GR B - seamless)
- ASTM A120 - Pipe, Steel, Black and Hot-Dipped Zinc Coated (Galvanized), Welded and Seamless, for Ordinary Uses
- AWS A5.8 - Brazing Filler Metal
- MSS SP58 - Pipe Hangers and Supports - Materials Design and Manufacture
- MSS SP69 - Pipe Hangers and Supports - Selection and Application
- MSS SP89 - Pipe Hangers and Supports - Fabrication and Installation Practices
- AFBMA 8.11 - Load Ratings and Fatigue Life for Ball and Roller Bearings
- IEEE 112 - Test Procedure for Polyphase Induction Motors
- NEMA MG1 - Motors and Generators
- NFPA 70 - National Electric Code
- ASTM E84 - Flame Spread/Smoke Developed Rating
- ASHRAE 15 - Safety Code for Mechanical Refrigeration
- NEMA 250 - Enclosure for Electrical Equipment
- UL 207 - Refrigerant Containing Components and Accessories

PART 2 - PRODUCTS

A EQUIPMENT

All equipment shall be as specified on the drawings and in the schedules. Provisions for substitutions are based in Part 1.

B IDENTIFICATION

All equipment shall be identified with laminated three-layer plastic engraved plastic nameplates with black letters on white background. Nameplates shall be mechanically fastened to the equipment. Glued application is not acceptable.

PIPE FITTINGS AND VALVES

- 1 Domestic water piping - 3" and smaller - above grade
 - Copper Tubing, ASTM B88, Type K, soft
 - Fittings ASME B16.18, cast brass, ASME B16.22 solder wrought copper
 - Joints: Solder, lead free, ASTM B32, 95-5 tin-antimony, or tin and silver, with melting range 430 to 535 degrees F.
 - Flanges: Bronze
 - Electric Connections: Union with galvanized plated steel threaded end, copper solder end, water impervious isolation barrier
 - Unions: 150 PSIG bronze unions solder joints
 - Branza Ball Valve, Solder ends, up to and including 2 inches
 - 1 Manufacturers: Watts Series B8001-SS Grennell Fig. 3700S-J-6 Apollo 700 series, or Owner approved Equal
 - 2 Bronze, two piece body stainless steel ball and stem, nylon seats and stuffing box ring, lever handle (extended above surface of insulation) solder ends
 - 3 Rated for 200 psi at 100 F
- Butterfly Valve, Lugged, to 12 inches
 - 1 Manufacturers: Grennell Series 8000, Jamesbury 811 series, Demco NE 111, Neco LD-2000 Keystone Fig. 222, Centaline or Owner approved Equal
 - 2 Iron body, stainless steel or aluminum bronze disc, resilient EPDM replaceable seat for service temperature lug ends, 10 position lever handle for 6 inch and smaller, handwheel and gear actuator with indicator for 8 inch and larger
 - 3 Rated for 170 psi dead-end water services

2 Domestic water piping - 3" and smaller - below grade

- 1 Fittings ASME B16.18 cast brass, or ASME B16.22 solder wrought copper
- 2 Joints: Solder, lead free, ASTM B32, 95-5 tin-antimony, or tin and silver, with melting range 430 to 535 degrees F.
- 3 Flanges: Bronze
- 4 Electric Connections: Union with galvanized plated steel threaded end, copper solder end, water impervious isolation barrier
- 3 Sanitary vent, drain, condensate drain piping above or below grade
 - Cast iron no-hub or Schedule 40 PVC piping to match existing
 - PVC pipes may not be used in return air plenums
- 4 Natural gas piping - 2" and smaller - above grade, 1/4" PSIG Standard weight, Schedule 40, Type F Grade B, screwed ends, black carbon steel pipe (ANSI/ASTM A53)

D PLUMBING SPECIALTIES

- 1 Valves
 - All plumbing equipment to be provided with stop valves, escutcheon plate and all required supplies for proper operation of specific equipment
- 2 Hub drains
 - Deep seal cast iron trap with inlet funnel, Joem Series 86500 or equal
 - Clean outs
 - Interior finished floor areas: cast iron, two piece body with double drainage flange, weep holes, reversible clamping collar and adjustable nickel-bronze cover, Zurn, Joem, or equal
 - 4 Backflow preventers
 - Reduced pressure principle type, ANSVASSE 1013, bronze body threaded connections
 - 5 Trap potters
 - Automatic trap primer with vacuum breaker, Zurn Air-Guard Model Z-1022
 - 6 Vacuum breakers
 - Polished brass, float disc, rated 125 PSIG and 180 max temp (F), designed to prevent back-siphonage into potable water supply, full size orifice for maximum flow, Watts 288A or equal by ITT Hoffman, Taco
 - 7 Water hammer arrestors
 - Stainless steel construction, pre-charged stainless steel bellows, rated for max working pressure of 150 psi
 - J.R. Smith, White, Sicon Chief are acceptable manufacturers
 - 8 Floor drains
 - ANSI A112.21.1 lacquered cast iron two piece body with double drainage flange, weep holes, reversible clamping collar, and round, adjustable nickel-bronze strainer, acceptable manufacturers: Zurn, J.R. Smith, Wade
 - 9 Hose bibs
 - Bronze or brass with integral mounting flange, replaceable hexagonal disc, hose thread spout, chrome plated where exposed with handwheel in conformance with ANSVASSE 1011

E PIPING SLEEVES

Provide and set sleeves to accommodate all pipes passing through walls, floors and partitions. Sleeves shall be constructed of 16 gauge galvanized sheet steel and shall be fabricated to allow 1" clearance between pipe or insulation and sleeve. Sleeves shall be installed to allow for 1/2" minimum extension on both sides of floor or wall. Where sleeves pass through a fire rated wall, floor or partition they shall have the same fire rating as the construction in which they are installed.

F PIPE HANGERS

- 1 Insulated piping
 - "Grennell" Fig. 65 carbon steel, galvanized, adjustable, cleve type, oversized to allow for insulation
- 2 Uninsulated piping
 - "Grennell" Fig. 65 carbon steel, galvanized, adjustable, cleve type direct to pipe
- 3 Hanger rods
 - "Grennell" Fig. 146, carbon steel, galvanized threaded rods. Attach hangers to concrete ceiling or bottom centerline of concrete beam using expansion cases. "Grennell" Fig. 117
 - Support hangers from roof posts using beam clamps, "Grennell" Fig. 292. Do not attach hangers to roof deck
 - Support spacing as follows:

PIPE SIZE	MAXIMUM SPACING	ROD DIAMETER
1/2" TO 1-1/4"	8'-0"	3/8"
1-1/2" TO 2-1/2"	10'-0"	3/8"
3" TO 3-1/2"	12'-0"	1/2"

G PIPE INSULATION

- 1 Domestic water piping
 - Johns-Manville Micro-Lock 650 AP or equal, heavy density fiber glass pipe insulation with factory applied vapor barrier jacket. ASTM C567, "K" value at 0.24 at 75 degrees F, maximum moisture absorption at 0.2 percent by volume and flame spread/smoke developed rating of 25/50 or less.
 - All fittings and valves to be covered with loose fiberglass insulation and PVC plastic one piece molded covers. All fittings to be covered with mitered and glued insulation joints. All fittings to be covered with mitered and glued insulation joints.
- 2 Inserts and shields
 - Piping 3" and below: provide galvanized steel shield between hanger and pipe insulation
 - Piping over 3": provide hydrous calcium silicate insulation or other high density material of same thickness as adjoining insulation. Insert to be minimum of 6" long
- 3 Exterior insulation jackets
 - All piping installed outdoors to have aluminum metal jacket installed over insulation. Aluminum jacket to be 610" thick and shall be sealed and caulked weathertight at all seams. Fittings to be covered with aluminum factory fabricated jackets. Chalders or approved equal.
- 5 Schedule

PIPING SYSTEM	PIPE SIZE	THICKNESS
DOMESTIC WATER PIPING (DCW, DHW, & DHW/R)	ALL	1"

H PIPE LABELING

Furnish and install pipe markers on all indoor piping systems using the ANSI #13.1 standard scheme for identification of piping systems. Markers shall be the vinyl pressure sensitive type as manufactured by Tescon Nameplate Corporation. Overlap ends of markers with matching color 1/2" wide tape (2" overlap). Locate markers at each change of pipe direction and at 50 ft. Maximum spacing.

PART 3 - EXECUTION

A SCHEDULING OF WORK

Work is to be scheduled with Owner's representative and all other trades to accommodate occupancy dates and to expedite the timely completion of the project. Any utility outages or work which interferes with use of facility must be scheduled 24 hours in advance.

Coordinate the installation with all conditions and the work of other Contractors. The Contractor shall incur all costs for relocation of equipment conflicting with existing equipment or new work by other disciplines.

Trenching, saw cutting, coring, or other structural modifications shall not be performed without notification of the Owner and careful field verification by the Contractor to insure that no adverse effect to the building's structural integrity will occur.

B PIPE TESTING AND CLEANING

All new domestic water piping shall be hydrostatically tested to 1-1/2 times the maximum working pressure and held for a period of not less than 2 hours.

All natural gas piping to be pneumatically tested and held for one hour or per standard of governing authority.

Tests shall be witnessed by the Owner's representative. Test results shall be submitted to engineer.

All potable water systems shall be sanitized in accordance with all state and local requirements.

Sanitary and vent piping shall be tested in accordance with state and local codes.

C PIPING AND EQUIPMENT INSTALLATION

All piping shall be run parallel or perpendicular to building walls and framing system unless noted otherwise on the plans. All vertical runs shall be held against walls, columns, etc. as possible to permit making of pipe joints.

Provide isolation valves, easily accessible for all major plumbing equipment, future groups, suites and/or tenant spaces.

Perform all cutting, patching and repairing required for the installation of the plumbing systems unless otherwise noted on the drawings.

All systems and equipment shall be installed in accordance with all state and local codes, ANSI B31.9 Building Service Piping and all additional standards as listed.

Install all equipment and products in accordance with manufacturer's recommendations.

Provide all sleeves, caulking and sealants as required for the installation of piping and equipment.

Provide inserts and shields on all piping 2 inch diameter and larger to protect insulation from being crushed by the piping weight. Insert to be heavy density insulating material, minimum 6 inch long. Shield to be galvanized steel, contoured to fit particular application and installed between the hanger and the insert.

Install each fixture with trap, easily removable for servicing and cleaning.

Provide chrome plated rigid or flexible supplies to plumbing fixtures including screwdriver stops, reducers, and escutcheons.

Seal fixtures to wall and floor surfaces with sealant, color to match fixture.

At completion, clean plumbing fixtures and equipment.

END OF SECTION

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE:	AS SHOWN
DATE:	2/28/24
DRAWN BY:	EG
CHECKED BY:	OG



 THE CITY OF BETHANY

 PROPOSITIONS 2-A 2-B 2-C 2-D

 RESTROOM / PAVILION FACILITIES

MECHANICAL / PLUMBING

 SPECIFICATIONS

PROJECT ET424-15

 SHEET

 MP-5

 SHEET 5 OF 5



Owen Engineering

 Consultants, LLC

 34125 E. 8th Road, Suite 200, Bethany, OK 73110

 Phone: (405) 855-0300

 Email: oen@owen-engineering.com

 OGC License No. 10081, Expires 12/31/2024

LIGHTING CONTROL SYMBOLS	
	SINGLE POLE WALL SWITCH
	THREE WAY WALL SWITCH
	SINGLE POLE WALL SWITCH WITH OCCUPANCY SENSOR
	THREE WAY WALL SWITCH WITH OCCUPANCY SENSOR
	SINGLE POLE LIGHT SWITCH WITH PILOT LIGHT
	DIMMER SWITCH
	OCCUPANCY SENSOR / AMBIENT SENSOR, CEILING MOUNT
	SINGLE FUNCTION DIGITAL SWITCH
	MULTI-FUNCTION DIGITAL SWITCH

NOTE: NOT ALL SYMBOLS MAY BE USED

LIGHTING FIXTURE SYMBOLS	
	LIGHT FIXTURE TYPE
	2' X 4' RECESSED LIGHT FIXTURE
	2' X 4' RECESSED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
	RECESSED LED DOWNLIGHT FIXTURE
	RECESSED LED DOWNLIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
	4' SURFACE MOUNT LED LIGHT FIXTURE
	4' SURFACE MOUNT LED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
	2' X 4' HIGH BAY LED LIGHT FIXTURE
	2' X 4' HIGH BAY LED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
	SURFACE MOUNT LED UNDER-CANOPY FIXTURE
	SURFACE MOUNT LED UNDER-CANOPY FIXTURE, WITH EMERGENCY BACK-UP POWER
	WALL MOUNTED LED FIXTURE
	WALL MOUNTED LED FIXTURE, WITH EMERGENCY BACK-UP POWER
	POLE MOUNTED LIGHT FIXTURE
	EMERGENCY POWER INVERTER

NOTE: NOT ALL SYMBOLS MAY BE USED

WIRE SIZING TABLE					
RUN LENGTH		CIRCUIT BREAKER SIZE			
120V	277V	20A	30A	40A	50A
000-100'	000-200'	#12	#10	#8	#8
101-150'	201-300'	#10	#8	#6	#6
151-200'	301-450'	#8	#6	#4	#4

GENERAL NOTES (APPLIES TO ALL ELECTRICAL DRAWINGS):

- EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR TEMPERATURE CONTROL THERMOSTAT, AND CO2 SENSORS. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS OF THESE DEVICES.
- EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).
- EC SHALL DERATE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE.
- WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.
- WHERE A TV OUTLET IS INDICATED ON THE DRAWINGS, BOTH THE TV OUTLET AND THE ASSOCIATED RECEPTACLES SHALL BE MOUNTED AT 88" AFF, UNLESS SPECIFIED OTHERWISE.
- ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.
- EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.
- ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.
- ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.
- HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.
- FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LUMINAIRE SCHEDULE.
- ITALICS NEXT TO LIGHTING CIRCUITS AND DEVICES INDICATE LIGHTING CONTROL PANEL CONNECTIONS. RUN CIRCUIT TO APPROPRIATE LIGHTING CONTROL PANEL.

POWER SYMBOLS	
	JUNCTION BOX
	SIMPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	DOUBLE DUPLEX (QUAD) RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	DUPLEX RECEPTACLE, CEILING MOUNTED
	DUPLEX RECEPTACLE, FLOOR MOUNTED
	DUPLEX RECEPTACLE, ABOVE COUNTER
	SPECIAL OR DEDICATED RECEPTACLE, VOLTAGE AND AMPS AS NOTED, 18" AFF (UNLESS OTHERWISE NOTED)
	GFI RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	WEATHERPROOF RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
	PLUGWOLD, LENGTH AS NOTED, 18" AFF (UNLESS OTHERWISE NOTED)
	MOTOR STARTED RATED SWITCH
	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH, FUSED AS NOTED
	480/277V 3-PHASE, 4-WIRE DISTRIBUTION PANEL
	480/277V 3-PHASE, 4-WIRE LIGHTING/POWER PANEL
	208/120V 3-PHASE, 4-WIRE LIGHTING/POWER PANEL
	170/240V 1-PHASE, 3-WIRE LIGHTING/POWER PANEL
	MOTOR, CHARACTERISTIC AS NOTED
	PUSHBUTTON STATION
	POWER SUPPLY, ELECTRIC FLUSH VALVE / FAUCET
	THERMOSTAT
	COMBINATION MOTOR STARTER DISCONNECT SWITCH
	PULL-BOX
	VARIABLE FREQUENCY DRIVE WITH DISCONNECT

NOTE: NOT ALL SYMBOLS MAY BE USED

COMMUNICATIONS SYMBOLS	
	DATA OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER
	TELEPHONE OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER
	COMBINATION TELEPHONE / DATA OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER

NOTE: NOT ALL SYMBOLS MAY BE USED

WIRING METHODS							
APPLICATION	RACEWAYS	OUTLET BOXES	CONDUIT BODIES	ENCLOSURES	FASTENERS	SUPPORTS	INSULATION
EXTERIOR - UNDERGROUND DIRECT BURIAL	POLYVINYL	-	-	-	-	-	XIHN
EXTERIOR - EXPOSED	CHLORIDE-SCHRO INTERMEDIATE	GALVANIZED MALLEABLE IRON	GALVANIZED MALLEABLE IRON	NEMA 3R	GALVANIZED	GALVANIZED	XIHN
INTERIOR - UNDERSLAB ON GRADE	METAL CONDUIT	-	-	-	-	-	XIHN
INTERIOR - CONCEALED CWU WALLS	CHLORIDE-SCHRO ELECTRICAL METALLIC TUBING	SHEET METAL	-	NEMA 1	ZINC PLATED	ZINC PLATED	THHN/THWN
INTERIOR - EXPOSED	ELECTRICAL METALLIC TUBING	SHEET METAL	CAST ALUMINUM	NEMA 1	ZINC PLATED	ZINC PLATED	THHN/THWN
CONNECTION TO MOTORIZED EQUIPMENT	LIGHTNING FLEXIBLE METALLIC CONDUIT	-	-	-	-	-	THHN/THWN
INTERIOR - EXPOSED (SUBJECT TO ABUSE)	RIGID METAL-CONDUIT	SHEET METAL	CAST ALUMINUM	NEMA 1	ZINC PLATED	ZINC PLATED	THHN/THWN

NOTES:

- 1" MINIMUM CONDUIT UNDERGROUND DIRECT BURIAL, 3/4" MINIMUM ALL OTHER INSTALLATIONS.
- DO NOT ROUTE CONDUIT UNDERSLAB, UNLESS INDICATED ON DRAWINGS.
- 6' MAXIMUM LENGTH ON ALL CONNECTIONS TO MOTORIZED EQUIPMENT.
- ON EXTERIOR INSTALLATIONS, CONDUIT SHALL ENTER FROM THE BOTTOM WHERE PRACTICAL, AND WATER-TIGHT HUBS SHALL BE USED FOR CONDUIT CONNECTIONS.

EXIT/EMERGENCY LIGHTING FIXTURE SYMBOLS	
	EXIT LIGHT FIXTURE - CEILING MOUNTED, SEE PLAN FOR DETAILS
	EXIT LIGHT FIXTURE - WALL MOUNTED, SEE PLAN FOR DETAILS
	EMERGENCY/EXIT LIGHT COMBO FIXTURE - WALL MOUNTED, SEE PLAN FOR DETAILS
	EXIT LIGHT FIXTURE - WALL MOUNTED, DOUBLE SIDED, SEE PLAN FOR DETAILS
	EXIT LIGHT FIXTURE - CEILING MOUNTED, DOUBLE SIDED, SEE PLAN FOR DETAILS
	EMERGENCY LIGHT FIXTURE, MAIN UNIT - WALL / CEILING MOUNTED
	EMERGENCY LIGHT FIXTURE, REMOTE UNIT - WALL / CEILING MOUNTED

NOTE: NOT ALL SYMBOLS MAY BE USED

ABBREVIATIONS	
A	AMPERES
AC	ABOVE COUNTER, 6" UNLESS OTHERWISE NOTED
AF	AMP FRAME
AFCI	ARCING FAULT CIRCUIT INTERRUPTER
AFF	ABOVE FINISHED FLOOR
AC	SYMMETRICAL AMPS INTERRUPTING CAPACITY
AS	AMPERE SWITCH
AT	TRIP AMPERES
C	CONDUIT
EMT	ELECTRICAL METALLIC TUBING
EG	EQUIPMENT GROUND
FCU	FAN COIL UNIT
GFI	GROUND FAULT INTERRUPTER
G	GROUND
HP	HORSEPOWER
KVA	KILOVOLT AMPERES
MB	MAIN CIRCUIT BREAKER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NL	NIGHT LIGHT
O.C.	ON CENTER
P	POLE
P.C.	PARTIAL CIRCUIT
PH	PHASE
RECPT	RECEPTACLE
REF.	REFERENCE
THD	TOTAL HARMONIC DISTORTION
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VA	VOLT AMPERES
W	WATTS
Z	IMPEDANCE
%	PERCENT

NOTE: NOT ALL ABBREVIATIONS MAY BE USED

FIRE ALARM SYMBOLS	
	FIRE ALARM - DUCT DETECTOR
	FIRE ALARM - HEAT DETECTOR
	FIRE ALARM - MANUAL PULL STATION
	FIRE ALARM - PHOTO SMOKE DETECTOR
	FIRE ALARM - STROBE
	FIRE ALARM - SPEAKER STROBE
	FIRE ALARM - VALVE TAMPER SWITCH

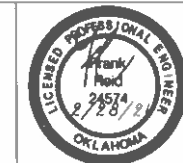
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 2-28-24
DRAWN BY: JAR
CHECKED BY: FR



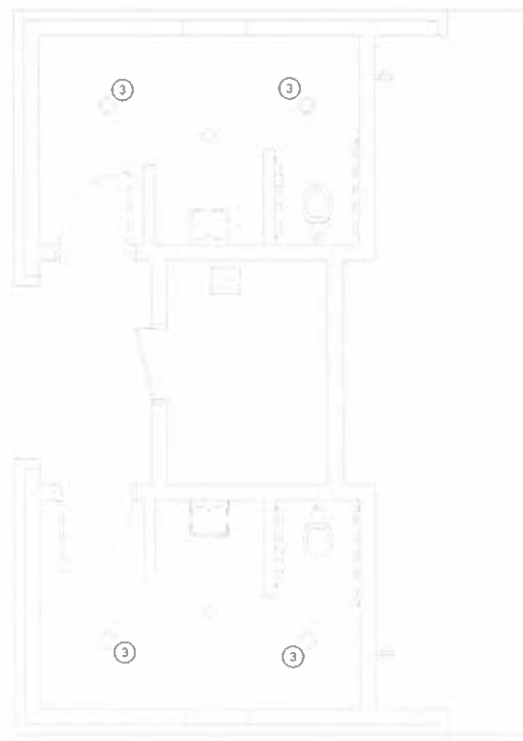
THE CITY OF BETHANY
PROPOSITION 2-A 2-B 2-C 2-D
RESTROOM / FACILITIES

ELECTRICAL
LEGEND/GENERAL

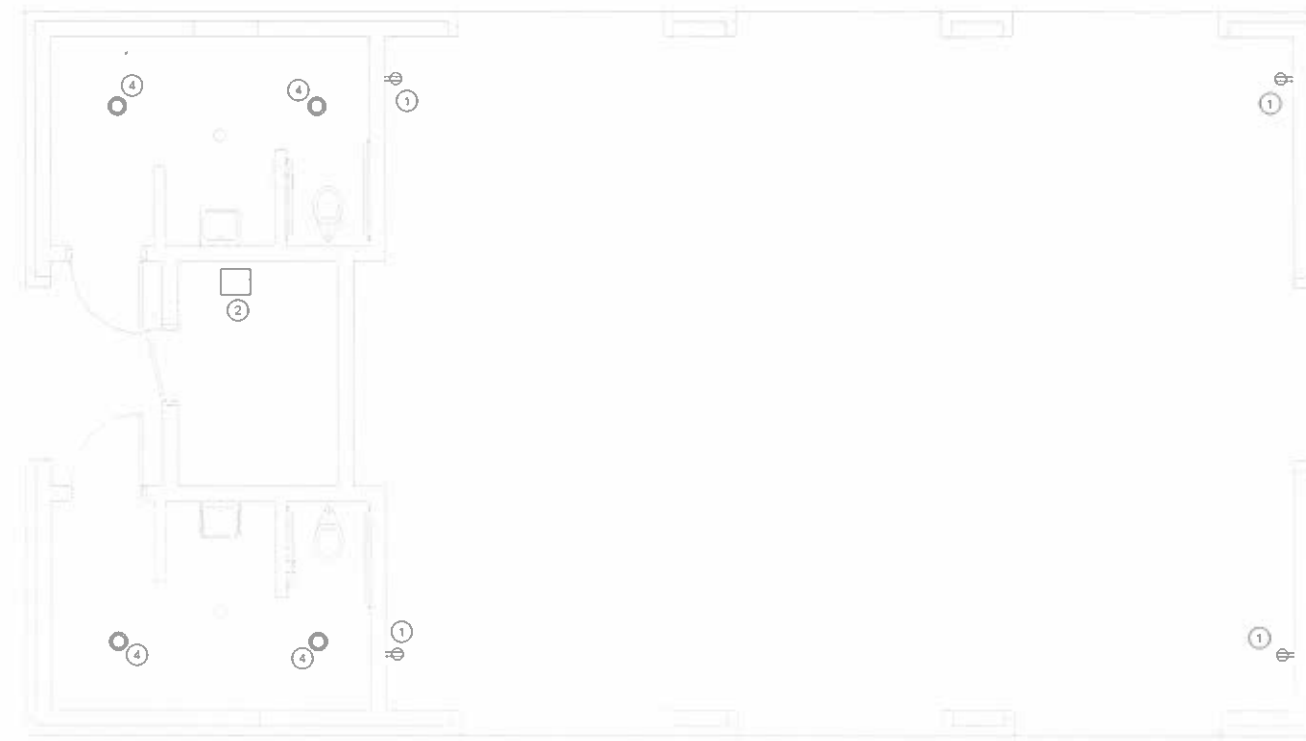


Owin Engineering Consultants, LLC
34230 E 88th Place, Overland Park, KS 66204
Phone: (913) 650-0305
Email: owin@owin-engineering.com
Owincolorado.com 9/2018 Expires 9/30/2024

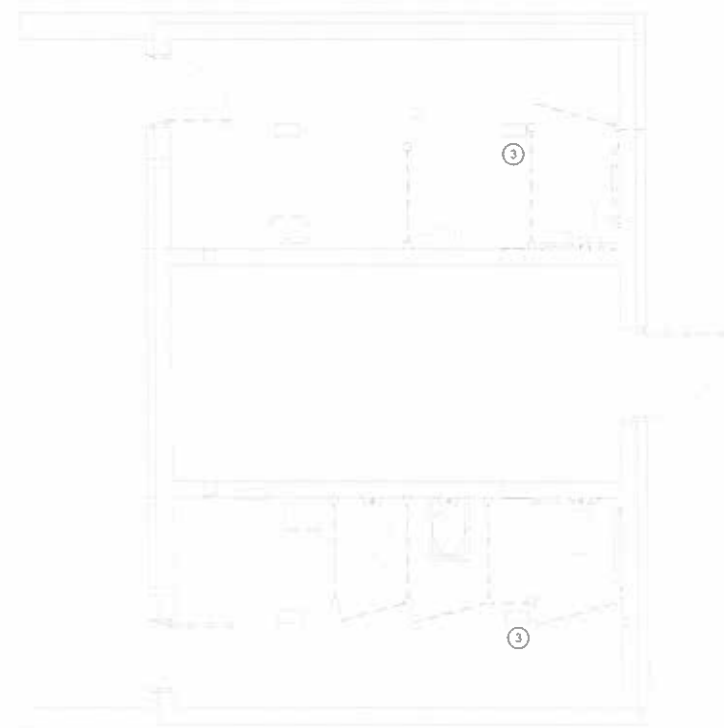
PROJECT ET424-15
SHEET E-0
SHEET 1 OF 5



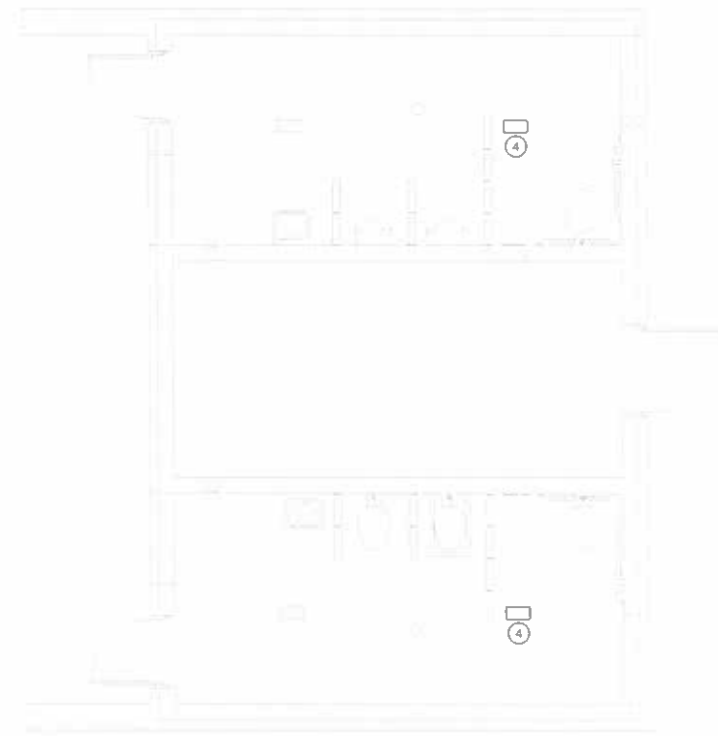
A FLOOR PLAN - MACRORY PARK - DEMOLITION
 A-4 1/4" = 1'-0"
 2 1 0 2 4



B FLOOR PLAN - MACRORY PARK - RENOVATION
 A-4



C FLOOR PLAN - RIPPER PARK - DEMOLITION
 A-3 1/4" = 1'-0"
 2 1 0 2 4



D FLOOR PLAN - RIPPER PARK - RENOVATION
 A-3 1/4" = 1'-0"
 2 1 0 2 4

GENERAL NOTES

- A UNLESS NOTED OTHERWISE (UNO), CIRCUITS ARE 20A, 2#12AWG, #12 E.G. IN 3/4" MINIMUM EMT, ALL WIRES THHN/THWN & COPPER
- B UNO, SUPPLY ANY OUTDOOR GFI RECEPTACLES WITH "IN SERVICE" COVERS

KEYED NOTES

- 1 REPLACE THE FOUR EXISTING DUPLEX RECEPTACLES IN THE SHELTER AREA WITH GFCI PROTECTED TYPE WITH DAMP LOCATION COVERS. NOTE, ALL OF THE RECEPTACLES MAY BE PROTECTED BY A SINGLE GFCI IF THE EXISTING CIRCUIT CONFIGURATION ALLOWS IT
- 2 EXISTING 480-1240/240V TRANSFORMER. RAISE OFF THE GROUND USING A 3"X24"X24" EQUIPMENT PAD, E-LITE EL2424 OR EQUIVALENT. REINFORCE CORRODED TRANSFORMER FEET IF REQUIRED
- 3 DEMOLISH EXISTING FIXTURE, PRESERVE WIRING FOR REUSE
- 4 INSTALL SURFACE MOUNTED VANDAL RESISTANT FIXTURE, BLOCKADE LVP1212 LPL NODIM 15W 35K MVOLT CLP BLK OR EQUIVALENT AND RECONNECT TO EXISTING WIRING

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 2-28-24
 DRAWN BY: JAR
 CHECKED BY: FR



THE CITY OF BETHANY
 PROPOSITION 2-A 2-B 2-C 2-D
 RESTROOM / FACILITES

ELECTRICAL
 MACRORY/RIPPER PARK

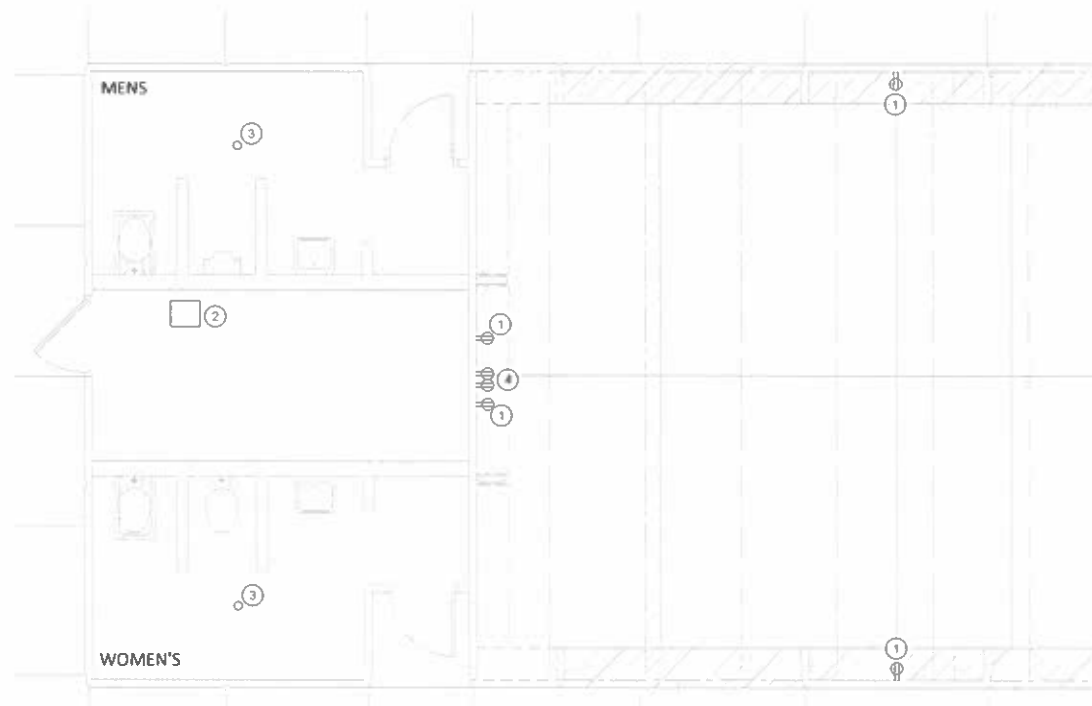
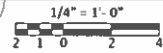


Gwin Engineering Consultants, LLC
 34262 E. 860 Road Chandler, OR 97434
 Phone: (405) 850-0205
 Email: ogwin@gwin-engineering.com
 Oklahoma, CA # 19488, CA # 19488, CA # 19488

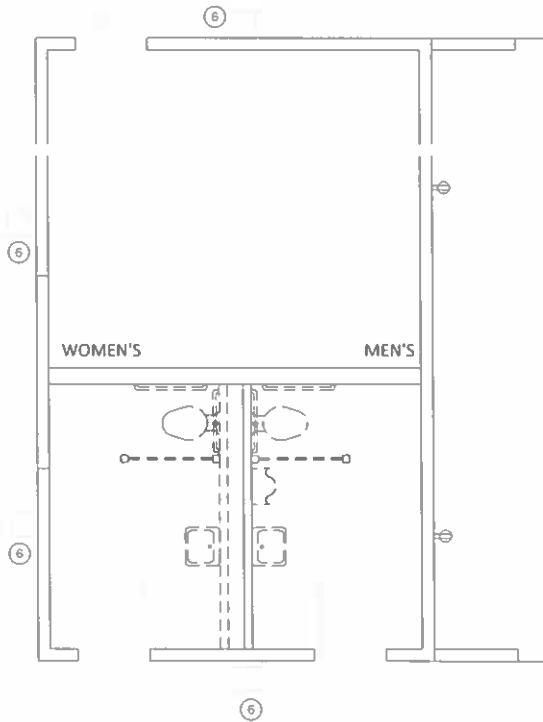
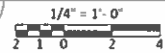
PROJECT ET424-15
 SHEET E-1
 SHEET 2 OF 5



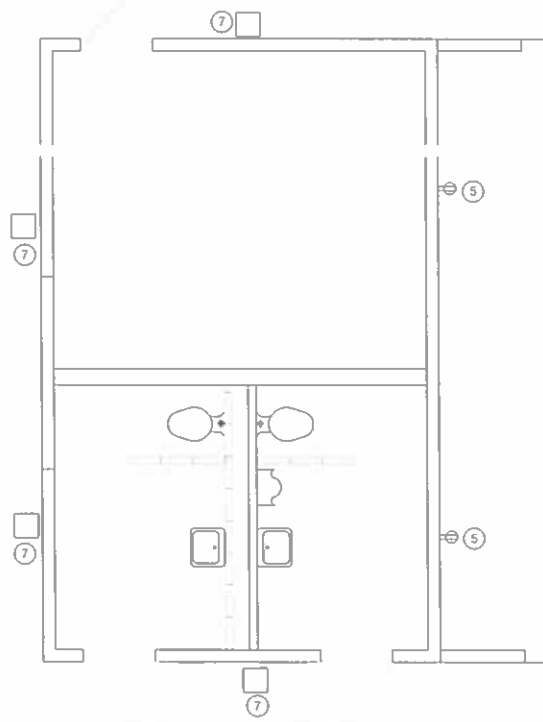
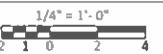
A FLOOR PLAN - ELDON LYON(SE) - RENOV



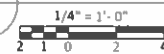
B FLOOR PLAN - ELDON LYON(NW) - RENOV.



E FLOOR PLAN - GARRISON PARK - DEMOLITION



F FLOOR PLAN - GARRISON PARK - RENOVATION



GENERAL NOTES

- A UNLESS NOTED OTHERWISE (UNO), CIRCUITS ARE 20A, 2 #12AWG, #12 E G IN 3/4" MINIMUM EMT, ALL WIRES THHN/THWN & COPPER
- B UNO, SUPPLY ANY OUTDOOR GFI RECEPTACLES WITH "IN SERVICE" COVERS

KEYED NOTES

- 1 IF ALTERNATE 3A IS NOT TAKEN - REPLACE THE FOUR EXISTING DUPLEX RECEPTACLES IN THE SHELTER AREA WITH GFCI PROTECTED TYPE WITH DAMP LOCATION COVERS. NOTE, ALL OF THE RECEPTACLES MAY BE PROTECTED BY A SINGLE GFCI IF THE EXISTING CIRCUIT CONFIGURATION ALLOWS IT. IF ALTERNATE 3A IS TAKEN, DISCONNECT AND PRESERVE FOR REUSE THE WIRING/CIRCUIT TO THE SHELTER LIGHTS AND RECEPTACLES. SEE SHEET E5
- 2 EXISTING 480-1240/240V TRANSFORMER. RAISE OFF THE GROUND USING A 3"X24"X24" EQUIPMENT PAD, E-LITE EL2424 OR EQUIVALENT. REINFORCE CORRODED TRANSFORMER FEET IF REQUIRED
- 3 DEMOLISH EXISTING FIXTURE. INSTALL SURFACE MOUNTED VANDAL RESISTANT FIXTURE, BLOCKADE LVP1212 LPL NODIM 15W 35K MVOLT GLP BLK OR EQUIVALENT AND RECONNECT TO EXISTING WIRING
- 4 DEMOLISH UNUSED QUAD RECEPTACLES AND WIRING
- 5 IF ALTERNATE 3B IS NOT TAKEN - REPLACE THE TWO EXISTING DUPLEX RECEPTACLES IN THE SHELTER AREA WITH GFCI PROTECTED TYPE WITH DAMP LOCATION COVERS. NOTE, ALL OF THE RECEPTACLES MAY BE PROTECTED BY A SINGLE GFCI IF THE EXISTING CIRCUIT CONFIGURATION ALLOWS IT. IF ALTERNATE 3B IS TAKEN, DISCONNECT AND PRESERVE FOR REUSE THE WIRING/CIRCUIT TO THE SHELTER LIGHTS AND RECEPTACLES. SEE SHEET E5
- 6 DEMOLISH SOFFIT LIGHT FIXTURE OR BLANK COVER. PRESERVE WIRING FOR REUSE
- 7 INSTALL VANDAL RESISTANT FIXTURE, COOPER/FAILSAFE FMR-D-12-1-LD4-1-STD-35-UNV-80/84-EDC1-SWBR OR EQUIVALENT

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 2-28-24
 DRAWN BY: JAR
 CHECKED BY: FR



THE CITY OF BETHANY
 PROPOSITION 2-A 2-B 2-C 2-D
 RESTROOM / FACILITES

ELECTRICAL
 ELDON LYON SE & NW AND
 GARRISON PARKS

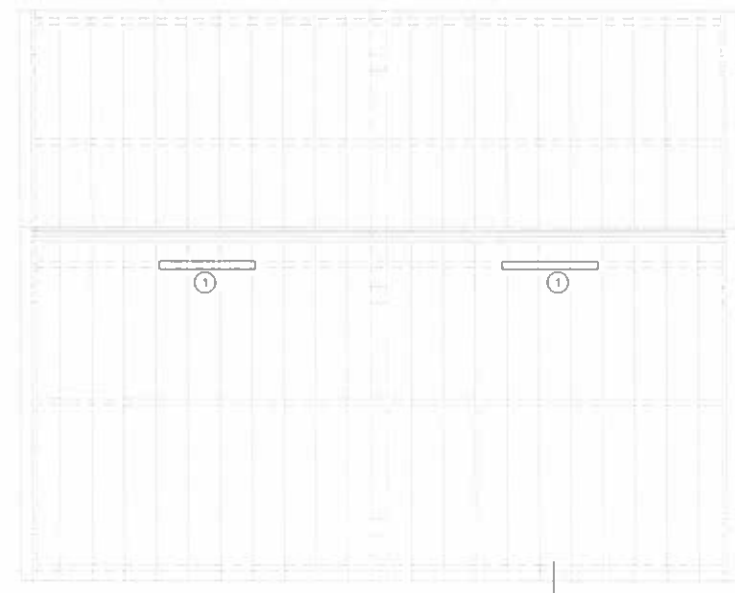


Owin Engineering Consultants, LLC
 342302 E 88th Road, Thunder, OK 74148
 Phone: (405) 850-0095
 Email: owin@owin-engineering.com
 Oklahoma State License # 9778/9

PROJECT ET424-15
 SHEET
 E-2
 SHEET 3 OF 5



A PLAN



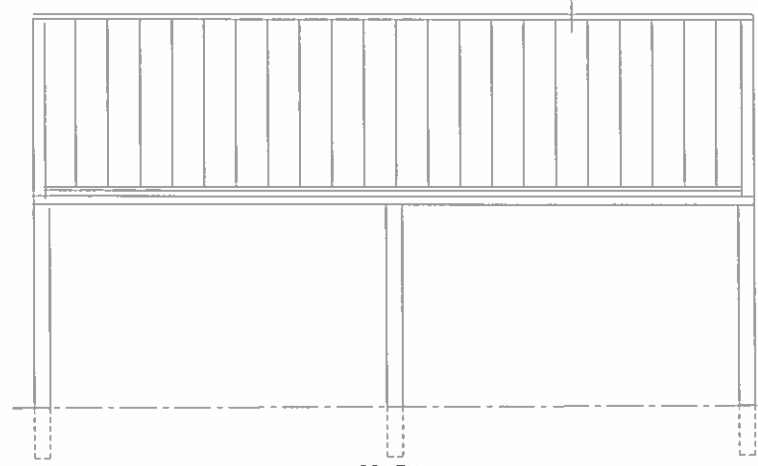
B PLAN



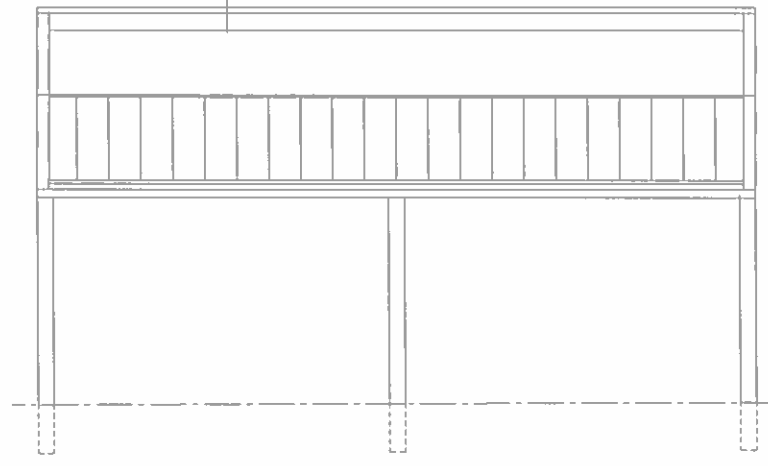
C WEST ELEVATION
A* 1/4" = 1'-0"



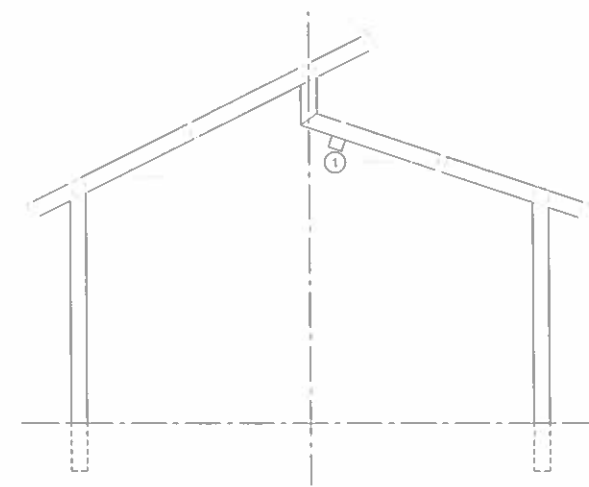
D EAST ELEVATION
A* 1/4" = 1'-0"



E SOUTH ELEVATION
A* 1/4" = 1'-0"



F NORTH ELEVATION
A* 1/4" = 1'-0"



SECTION G
1/4" = 1'-0"

- GENERAL NOTES**
- A UNLESS NOTED OTHERWISE, CIRCUITS ARE 20A, 2 #12AWG, #12 E G IN 3/4" MINIMUM EMT, ALL WIRES THINWALL & COPPER
 - B SUPPLY ANY OUTDOOR GFI RECEPTACLES WITH "IN SERVICE" COVERS
 - C INSTALL WIRING TO LIGHTS AND RECEPTACLES IN EMT WITH RAIN-TIGHT FITTINGS SECURED TO SHELTER STRUCTURE AND DOWN COLUMNS) TRANSITION TO SCHEDULE 40 PVC AT FINISHED FLOOR LEVEL, CUT CONCRETE AND PENETRATE WALL INTO UTILITY ROOM
- KEYED NOTES**
- 1 INSTALL VANDAL RESISTANT LIGHT FIXTURE, HOLOPHANE EMS L48 400LM IMAFL MVOLT GZ10 35K 80CRI OR EQUIVALENT. SUPPLY FROM EXISTING PHOTOCELL CONTROLLED CIRCUIT IN REST ROOM BUILDING
 - 2 INSTALL GFCI WITH METAL IN-SERVICE COVER MOUNTED AT 72" AFF SUPPLY FROM EXISTING CIRCUIT PRESERVED FROM EXISTING SHELTER DEMO

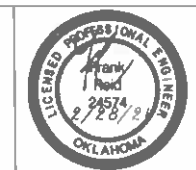
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 2-28-24
 DRAWN BY: JAR
 CHECKED BY: FR



THE CITY OF BETHANY
 PROPOSITION 2-A 2-B 2-C 2-D
 RESTROOM / FACILITES

ELECTRICAL
 ALTERNATE 3A&3B - NEW
 SHELTER LIGHTING/POWER



PROJECT ET424-15
 SHEET E-3
 SHEET 4 OF 5

Gain Engineering
 Consultants, LLC
 1100 N. Lincoln St., Suite 100
 Oklahoma City, Oklahoma 73102
 CEC



BENCHMARK - CUT X ON TOP OF CURB
 N=184635 196, E=2078799 266
 ELEVATION = 1318.06



REV NO	DATE	DRWN	CHKD	REMARKS

SCALE AS SHOWN
 DATE MARCH 25TH 2024
 DRAWN BY GIBBS
 CHECKED BY R WILLIAMS



THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

CIVIL
 LOCATION MAP



ET424-14
 SHEET NO.
 C001
 SHEET 1 OF 9



SS
 SANITARY SEWER MANHOLE
 TOP OF RIM = 1319.52'
 8" PVC 48' L.S.V. = 1315.93'
 8" PVC W.W.S.P.V. = 1318.46'

BENCHMARK - CUT X ON TOP OF CURB
 N=184635.196, E=2078799.266
 ELEVATION = 1318.06



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

CIVIL
 EXISTING SITE PLAN



ET424-14
 SHEET NO.
 C002
 SHEET 2 OF 9



SS
 SANITARY SEWER MANHOLE
 TOP OF RIM = 1318.62'
 6" PVC @ 4% SLOPE = 1318.50'
 8" PVC @ 1% SLOPE = 1318.40'

BENCHMARK - CUT X ON TOP OF CURB
 N=164635.196, E=2078799.266
 ELEVATION = 1318.06



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS

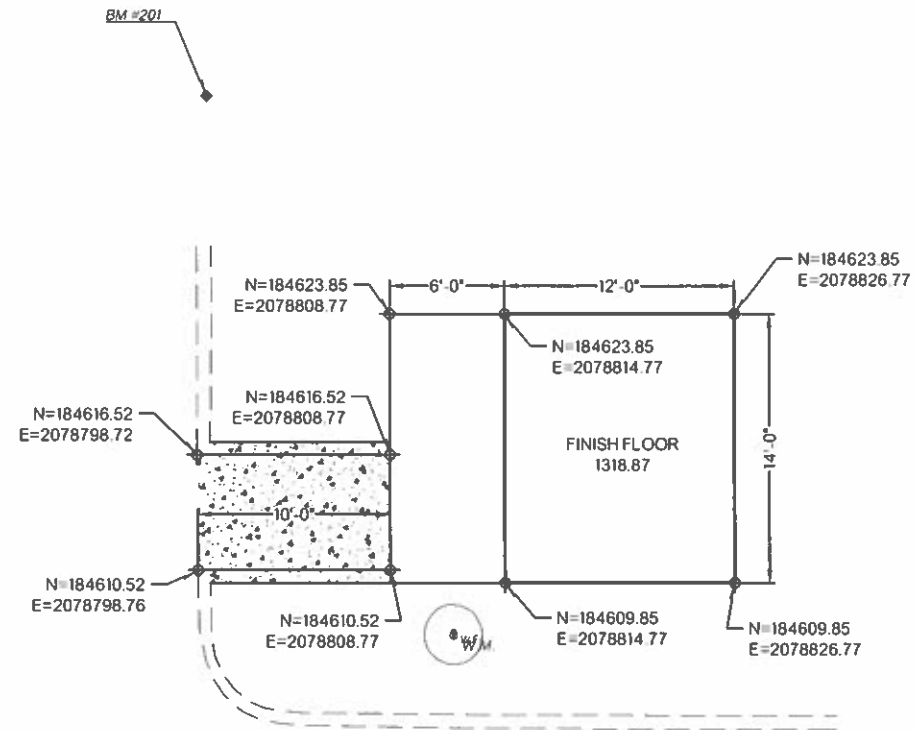


THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

CIVIL
 PROPOSED SITE PLAN



ET424-14
 SHEET NO.
 C003
 SHEET 3 OF 9



SS
 SANITARY SEWER MANHOLE
 TOP OF RIM = 1319.52'
 8" PVC E-FL ELEV. = 1315.53'
 8" PVC W-FL ELEV. = 1315.48'

CONCRETE PAD FOR
 PREFABRICATED RESTROOM BUILDING SHALL
 BE CONSTRUCTED PER MANUFACTURES SPECIFICATIONS.

NORTH

BENCHMARK - CUT X ON TOP OF CURB
 N=184635.196, E=2078799.266
 ELEVATION = 1318.06

0 5'

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R WILLIAMS

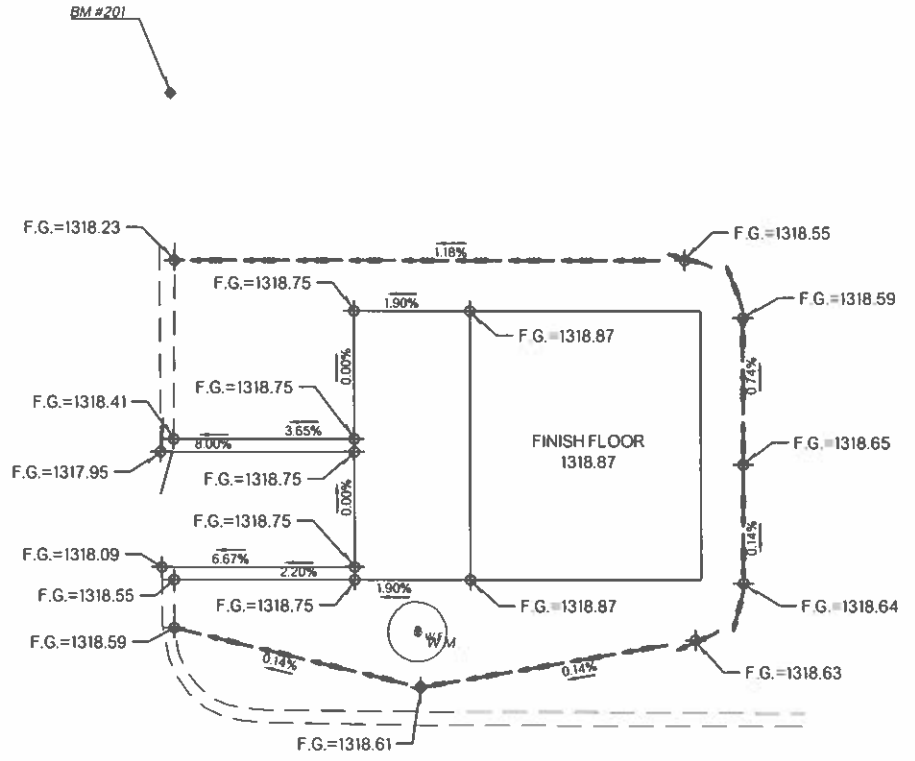



THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

CIVIL
 PROPOSED LAYOUT PLAN





ET424-14
 SHEET NO.
 C004
 SHEET 4 OF 9




 SANITARY SEWER MANHOLE
 TOP OF RIM = 1319.52'
 8" PVC E-FL ELEV = 1315.53'
 8" PVC W-FL ELEV = 1315.48'

CONCRETE PAD FOR
 PREFABRICATED RESTROOM BUILDING SHALL
 BE CONSTRUCTED PER MANUFACTURES SPECIFICATIONS.

NORTH

 BENCHMARK - CUT X ON TOP OF CURB
 N=184635.196, E=2078799.266
 ELEVATION = 1318.06


				SCALE: AS SHOWN		THE CITY OF BETHANY PROPOSITION 2 BETHANY PARKS RESTROOM AND PAVILION IMPROVEMENTS	CIVIL PROPOSED GRADING PLAN		ET424-14
				DATE: MARCH 25TH 2024					SHEET NO. C005
				DRAWN BY: GIBBS					SHEET 5 OF 9
				CHECKED BY: R. WILLIAMS					
REV. NO.	DATE	DRWN	CHKD	REMARKS					



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS

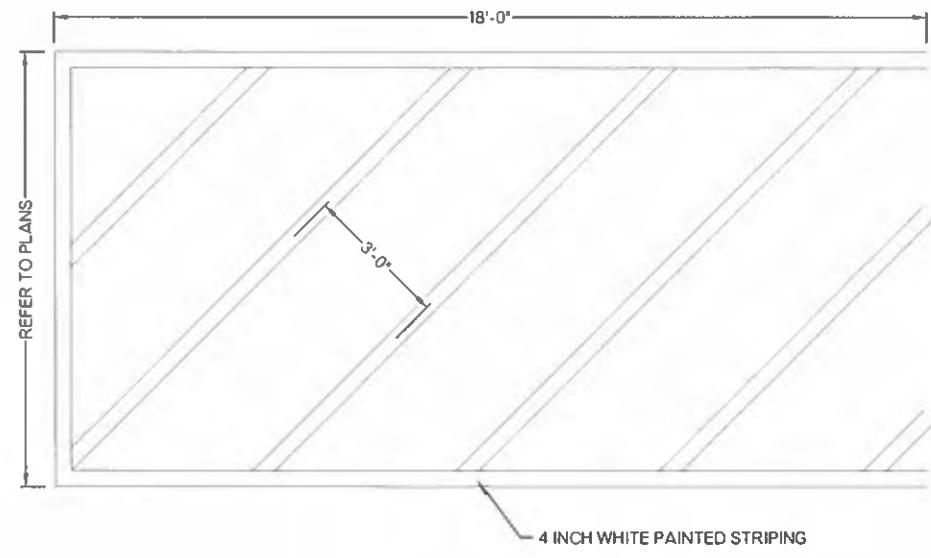


THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

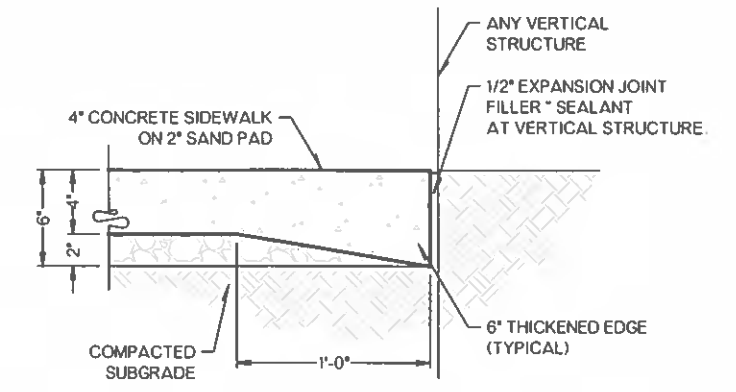
CIVIL
 FENCE LAYOUT PLAN



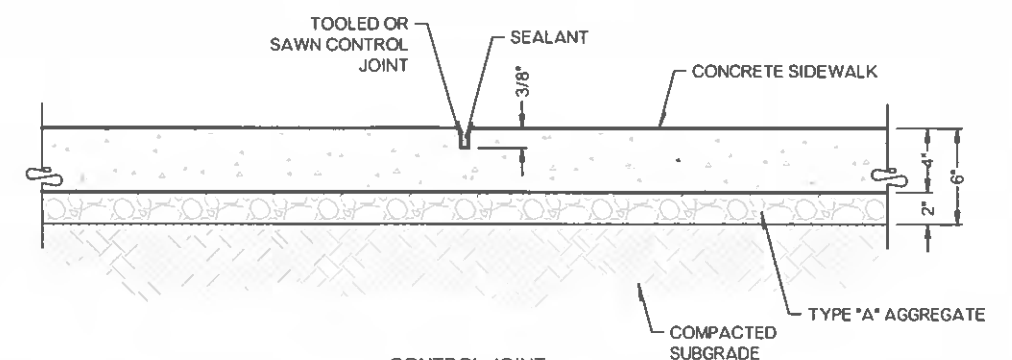
ET424-14
 SHEET NO.
 C006
 SHEET 6 OF 9



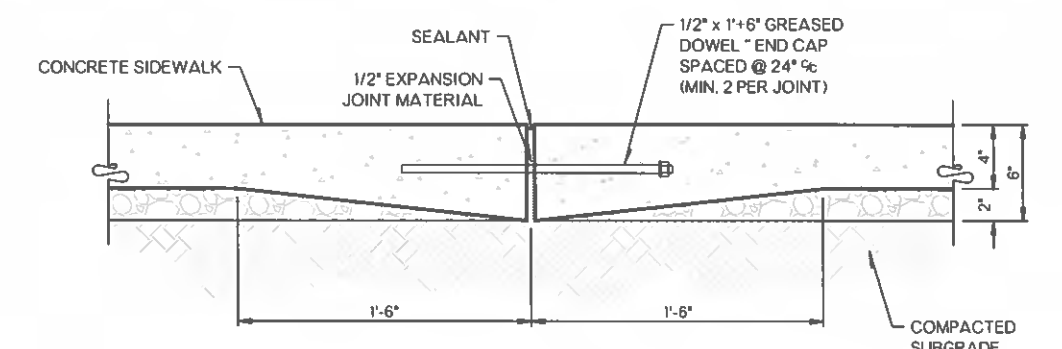
STRIPING DETAIL
N.T.S.



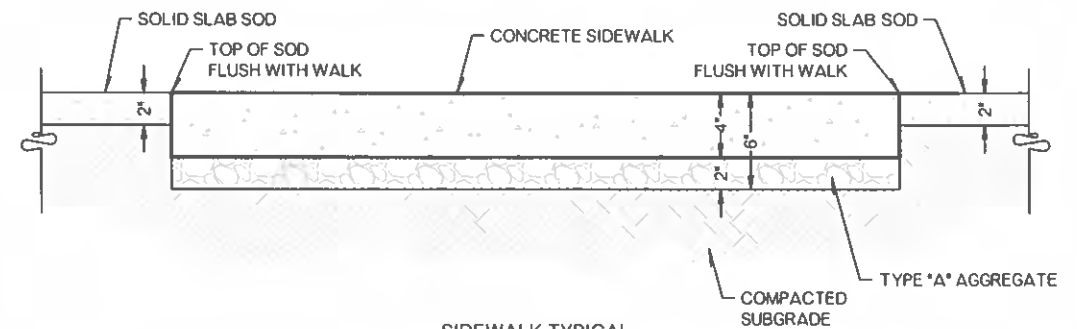
SIDEWALK EDGE
N.T.S.



CONTROL JOINT
N.T.S.



EXPANSION JOINT
N.T.S.



SIDEWALK TYPICAL
N.T.S.

SIDEWALK DETAILS
N.T.S.

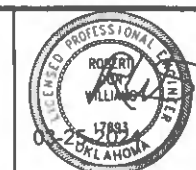
REV NO	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS

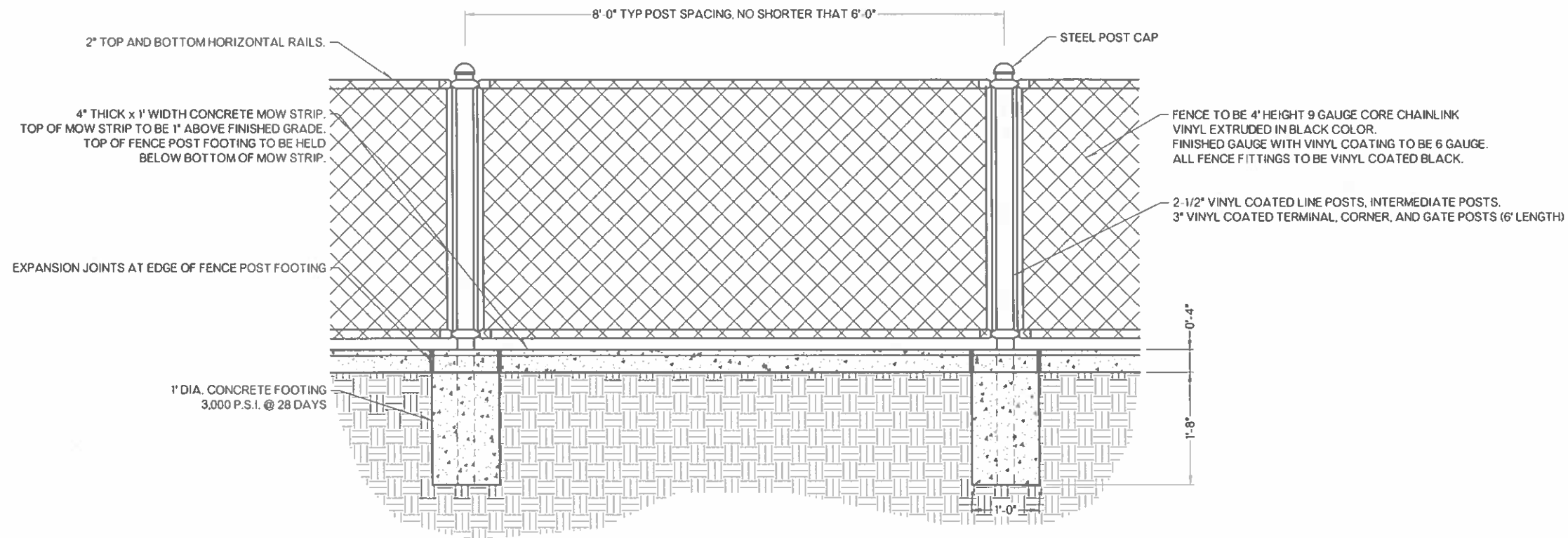


THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

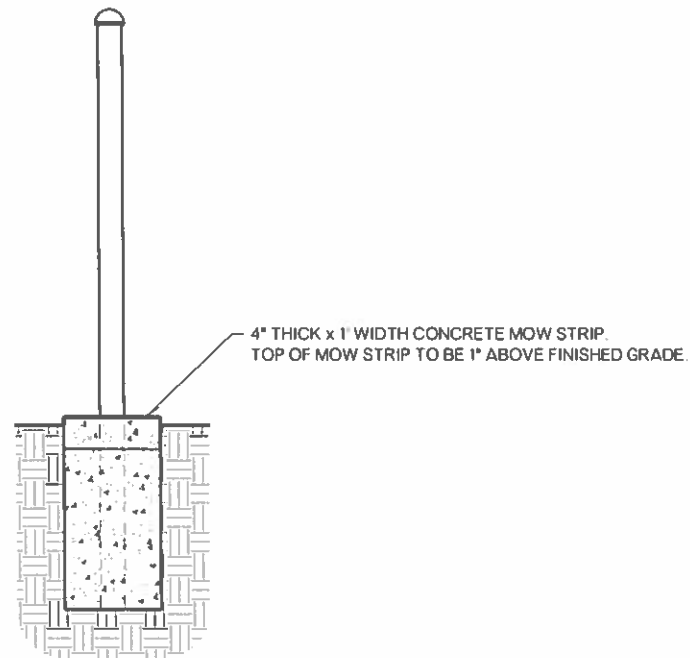
CIVIL
 MISCELLANEOUS DETAILS



ET424-14
 SHEET NO. D001
 SHEET 7 OF 9



FENCE DETAILS
N.T.S.



FENCE DETAILS
N.T.S.

NOTES:

1. FENCE SUPPLIER TO SUBMIT SHOP DRAWINGS WITH DIMENSIONS AND PIPE SIZES FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
2. MOW STRIP TO BE 3,000 P.S.I. CONCRETE MIX. PLACE CONTROL JOINTS AT 6' ON CENTER. EXPANSION JOINTS TO BE PLACED AT CHANGES IN MATERIALS, GRADE, OR DIRECTION, AND A MAXIMUM OF 50' ON CENTER.
3. REFER TO CHAIN LINK FENCING SPECIFICATIONS FOR ADDITIONAL INFORMATION.

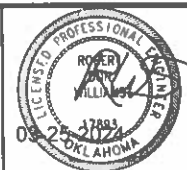
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

CIVIL
 FENCE DETAILS



ET424-14
 SHEET NO.
 D002
 SHEET 8 OF 9

EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: CECIL MENDENHALL PARK

PROJECT DESCRIPTION: CONSTRUCTION OF RESTROOM FACILITIES

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:
 INSTALL EROSION CONTROL DEVICES
 CONSTRUCT PROJECT
 REMOVE EROSION CONTROL DEVICES
 CLEAN PROJECT SITE

TOTAL AREA TO BE DISTURBED: 0.02 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.90

NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY
 OF NORTH CANADIAN RIVER

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

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

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

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

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

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

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

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

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

IN ADDITION:
 EPA - FINAL NPDES GENERAL PERMITS FOR STORMWATER DISCHARGES FROM CONSTRUCTION SITES; NOTES FEDERAL REGISTER, MONDAY, JULY 6, 1998 - VOLUME 60, NUMBER 128
 *ODEQ - GENERAL PERMIT (OKR10) FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA * ODEQ - WATER QUALITY DIVISION, OCTOBER 18, 2017

CONSTRUCTION ACTIVITIES THAT RESULT IN LAND DISTURBANCE OF EQUALS TO OR GREATER THAN ONE (1) ACRE, OR LESS THAN ONE (1) ACRE IF THEY ARE PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE THAT TOTALS AT LEAST ONE (1) ACRE MUST OBTAIN A PERMIT FROM ODEQ (FORM 606-002a) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES. THIS MEANS THAT LAND DISTURBANCE OF ONE (1) ACRE OR MORE MUST PERMIT WITH ODEQ AND THE CITY OF BETHANY
 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: MARCH 25TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R WILLIAMS



THE CITY OF BETHANY
 PROPOSITION 2 BETHANY PARKS
 RESTROOM AND PAVILION
 IMPROVEMENTS

GENERAL
 STORMWATER POLLUTION
 PREVENTION PLAN



ET424-14
 SHEET NO.
 ER01
 SHEET 9 OF 9

VALVE LEGEND	
	DOUBLE CHECK VALVE ASSEMBLY
	RPZ 1" AND LARGER
	RPZ 2" AND SMALLER
	GLOBE VALVE
	GATE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	PLUG VALVE
	CHECK VALVE - SWING TYPE
	VACUUM BREAKER
	PRESSURE REDUCING VALVE
	GAS PRESSURE REGULATOR
	BALANCING VALVE
	ORIFICE VALVE
	SUPERVISED VALVE
	MOTOR OPERATED VALVE
	SOLENOID OPERATED VALVE
	TEMPERATURE / PRESSURE RELIEF VALVE
	ANGLE VALVE
	SAFETY RELIEF VALVE

PIPING LEGEND	
	PIPE DROP
	PIPE RISE
	PIPE DROP @ 45°
	BRANCH TEE, TOP CONNECTION
	BRANCH TEE, BOTTOM CONNECTION
	CAP ON END OF PIPE
	PLUGGED TEE
	UNION
	FLANGED UNION
	DIELECTRIC UNION
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	WYE STRAINER
	PIPE GUIDE
	PIPE BREAK
	FLOOR DRAIN AREA DRAIN FLOOR SINK
	P-TRAP
	VALVE IN RISE OR DROP
	PRESSURE GAUGE
	PRESSURE GAUGE WITH GAUGE COCK
	THERMOMETER WITH WELL
	THERMOMETER WELL
	AQUIASTAT
	HOSE BIBB
	WALL HYDRANT
	VALVE IN YARD BOX
	METER (NATURAL GAS, CITY WATER)

LINETYPE LEGEND	
	EXISTING - TO BE REMOVED
	EXISTING - TO REMAIN
	EXISTING - TO REMAIN - BELOW FLOOR
	NEW
	NEW - BELOW FLOOR
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER SUPPLY
	DOMESTIC HOT WATER RETURN
	STORM
	WENT
	NATURAL GAS

PLUMBING ABBREVIATIONS	
ABS	ACRYLONITRILE BUTADIENE STYRENE
AC	ACCESS COVER
ACFM	ACTUAL CUBIC FEET PER MINUTE
AD	AREA DRAIN
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
ANT	ADD NEUTRALIZATION TANK
ATV	ATMOSPHERIC VENT
AWV	ADD WASTE VENT
AW	ADD WASTE
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BLR	BOILER
BOP	BOTTOM OF PIPE
BT	BATHTUB
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACKWATER VALVE
C	CELSIUS (DEGREES)
CA	COMPRESSED AIR
CB	CATCH BASIN
CD	CONDENSATE DRAIN
CFM	CUBIC FOOT PER MINUTE
CI	CAST IRON
CV	CHECK VALVE
CLG	CEILING
CO	CLEANOUT
COMB	COMBINATION
COF	CENTER OF PIPE
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CUP SINK
CSS	CLINICAL SERVICE SINK
CW	CITY WATER
DC	DOUBLE CHECK VALVE
DCW	DOMESTIC COLD WATER
DF	DRINKING FOUNTAIN
DFU	DRAINAGE FIXTURE UNIT
DHW-TEMP	DOMESTIC HOT WATER
DHW-TEMP	DOMESTIC HOT WATER RETURN
DI	DEIONIZED WATER
DI	DIA
DIA	DIA
DWT	DEIONIZED WATER TANK
DR	DRAIN
DS	DOWNSPOUT
DT	DRAIN TILE
DTL	DETAIL
DWG	DRAWING
DWH	DOMESTIC WATER HEATER
DWR	DISHWASHER
DWS	DOMESTIC WATER SOFTENER
DWST	DOMESTIC WATER STORAGE TANK
DW	DRAIN WASTE & VENT
EA	EACH
EC	ELECTRICAL CONTRACTOR
ES	EMERGENCY SHOWER
ET	EXPANSION TANK
EEW	EMERGENCY EYE WASH
EEWS	EMERGENCY EYE WASH / SHOWER
EWC	ELECTRIC WATER COOLER
EX (E)	EXISTING
F	FAHRENHEIT (DEGREES)
FA	FLAME ARRESTOR
FCO	FLOOR CLEANOUT

PLUMBING ABBREVIATIONS	
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FH	FLOOR HYDRANT
FOF	FUEL OIL FILL
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FP	FIRE PROTECTION
FC	FIRE SUPPRESSION CONTRACTOR
FRM	FEET PER MINUTE
FPS	FEET PER SECOND
FS	FLOOR SINK
FT	FLUSH TANK
FV	FLUSH VALVE
GAL	GALLON
GCO	GROUND CLEANOUT
GPD	GALLONS PER DAY
GPM	GALLONS PER MINUTE
GTC	GENERAL CONTRACTOR
GS	GALVANIZED STEEL
GW	GREYWATER
HB	HOSE BIBB
HD	HUB DRAIN
HP	HORSE POWER
HX	HEAT EXCHANGER
HYD	FIRE HYDRANT
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IN	INCHES
INT	INTERCEPTOR (OIL, GREASE)
JP	JOCKEY PUMP
KEC	KITCHEN EQUIPMENT CONTRACTOR
LA	LABORATORY AIR
LAV	LAVATORY
LG	LABORATORY GAS
LP	LIQUID PROPANE
LT	LAUNDRY TRAY
LW	LABORATORY WASTE
LWV	LABORATORY WASTE VENT
MANUF	MANUFACTURER
M	METER (WATER, NATURAL GAS)
MA	MEDICAL AIR
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MH	MANHOLE
MHC	MANHOLE COVER
MIN	MINIMUM
MSB	MOP SERVICE BASIN
N C	NORMALLY CLOSED
N O	NORMALLY OPEN
NIC	NOT IN CONTRACT
NG-PRESS	NATURAL GAS
NG-HP	NATURAL GAS - HIGH PRESSURE
NG-M	NATURAL GAS - INTERMEDIATE PRESSURE
NG-LP	NATURAL GAS - LOW PRESSURE
NG-MP	NATURAL GAS - MEDIUM PRESSURE
NPT	NATIONAL PIPE THREAD
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
O D	OUTSIDE DIAMETER
OD	OVERFLOW DRAIN
P	PUMP
PD	PLANTER DRAIN
PH	POST HYDRANT
PI	PRESSURE INDICATOR

PLUMBING ABBREVIATIONS	
PR	PROPANE
PRV	PRESSURE REDUCING VALVE
PSIG	POUNDS PER SQUARE INCH GAUGE
PT	PLASTER TRAP
PTS	PNEUMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PVDF	POLYVINYLIDENE FLUORIDE
PW	PROCESS WASTE
PWHS	PACKAGE WATER HEATER SYSTEM
RCP	RECIRCULATION PUMP
RD	ROOF DRAIN
RO	REVERSE OSMOSIS WATER
ROR	REVERSE OSMOSIS WATER RETURN
RWS	REVERSE OSMOSIS WATER SUPPLY
RPZ	REDUCED PRESSURE ZONE BACKFLOW PREVENTER
RV	RELIEF VALVE
SAN	SANITARY WASTE
SAW	SANITARY WASTE VENT
SC	SHOWER CONTROLLER
SOFM	STANDARD CUBIC FEET PER MINUTE
SCH	SCHEDULE
SD	SHOWER DRAIN
SDR	STANDARD DIMENSION RATIO
SES	SEWAGE EJECTOR SYSTEM
SG	SPECIALTY GAS
SH	SHOWER HEAD / MODULE
SH	SHEET
SK	SINK
SOL	SOLENOID VALVE
SP	SLUMP PUMP
SS	STAINLESS STEEL
SSD	SECONDARY STORM DRAIN
SSK	SERVICE SINK
SST	SECONDARY STORM
ST	STORM
STM	STEAM
SW	SOFT WATER
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD (IN FEET)
TI	TEMPERATURE INDICATOR
TK	TANK
TWV	THERMOSTATIC MIXING VALVE
TOP	TOP OF PIPE
TP	TRAP PRIMER
TW-TEMP	TEMPERED WATER
TW-TEMP	TEMPERED WATER RETURN
TYP	TYPICAL
UNCL	UNLESS NOTED OTHERWISE
UR	URINAL
V	VENT
VB	VACUUM BREAKER
VTR	VENT THRU ROOF
W	WASH
WB	WALL BOX
WC	WATER CLOSET
WCO	WALL CLEANOUT
WF	WASH FOUNTAIN
WFU	WATER FIXTURE UNIT
WH	WALL HYDRANT
WHA	WATER HAMMER ARRESTOR
WWS	WELL WATER SUPPLY
YD	YARD DRAIN
YH	YARD HYDRANT

PROJECT GENERAL NOTES:

A "GENERAL NOTE" APPLY TO ALL DRAWINGS ISSUED FOR THIS PROJECT. "DRAWING NOTES" APPLY ONLY TO THE SHEETS ON WHICH THEY APPEAR. THE WORD "PROVIDE" MEANS "FURNISH AND INSTALL."

B THE LEGEND SHEET IS GENERAL IN NATURE AND NOT ALL ITEMS SHOWN APPLY TO THIS PROJECT.

C ALL WORK TO BE PERFORMED AND INSTALLED PER THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL CODES, LAWS, REGULATIONS, INSPECTION AGENCIES, UTILITY COMPANIES, AND ANY OTHER AUTHORITIES HAVING JURISDICTION. REFER TO ARCHITECTURAL DRAWINGS FOR FEDERAL ADA FIXTURE REQUIREMENTS (IF ANY).

D COORDINATE WORK WITH OTHER TRADES AND CONSTRUCTION MANAGER TO AVOID INTERFERENCES BEFORE BEGINNING WORK. DRAWINGS ARE DIAGRAMMATIC REPRESENTATIONS OF THE WORK. DO NOT SCALE THE DRAWINGS TO DETERMINE EXACT LOCATIONS, DISTANCES, OR SIZES. TAKE FIELD MEASUREMENTS TO MAKE THESE DETERMINATIONS.

E CONTRACTOR MUST AVOID SEVERANCE OR DAMAGE TO BURIED SERVICE LINES SHOULD DAMAGE OCCUR. REPAIRS SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.

MECHANICAL / PLUMBING GENERAL NOTES:

A CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, EQUIPMENT, AND SERVICES NECESSARY FOR THE INSTALLATION OF ALL SYSTEMS AS INDICATED ON THE DRAWINGS.

B CONTRACTOR IS RESPONSIBLE FOR PROVIDING A COMPLETE WORKING MECHANICAL AND PLUMBING SYSTEM IN COMPLIANCE WITH THE 2015 IPC AT PROJECT COMPLETE.

C COORDINATE THE EXACT LOCATIONS OF FLOOR DRAINS AND FIXTURES WITH THE APPLICABLE EQUIPMENT CONTRACTORS, FLOOR CONTRACTORS, AND GENERAL CONTRACTOR (IF APPLICABLE) OR ARCHITECT PRIOR TO BEGINNING WORK.

D LOCATE AND ESTABLISH ALL INVERT ELEVATIONS IN THE FIELD.

E REFER TO PIPING SCHEMATICS, AND OTHER DETAILS FOR ARRANGEMENT OF PIPING AND FOR SIZES NOT SHOWN ON PLANS. IN ANY CASE WHERE A PIPE SIZE SHOWN ON A PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC, SECTION, OR DETAIL, USE THE LARGER OF THE TWO SIZES SHOWN.

F INSTALL PIPING IN PIPE CHASES, ABOVE CEILING, AND IN STUD WALLS. INSTALL HORIZONTAL MAINS AND BRANCHES AS HIGH AS PRACTICAL. MAKE OFFSETS IN PIPING TO AVOID INTERFERENCE AND CONTACT WITH WORK OF OTHER TRADES WHEN SHOWN ON DRAWINGS OR NOT. DO NOT INSTALL LIQUID CARRYING PIPING IN OUTSIDE WALLS OR IN ANY OTHER AREAS SUBJECT TO FREEZING TEMPERATURES.

G SLOPE ALL GRAVITY PIPING OF SIZES 3" DIAMETER AND LARGER AT 1/8" FT MINIMUM, AND SIZE 2 1/2" AND SMALLER AT 1/4" FT MINIMUM WHERE NOT OTHERWISE INDICATED.

H USE FITTINGS FOR ALL PIPE CHANGES IN DIRECTION AND SIZE AND BRANCH CONNECTIONS. EXTRUDED TEE CONNECTIONS AND BUSHINGS SHALL NOT BE USED.

I INSTALL VALVES IN ACCESSIBLE LOCATIONS AND IN SUCH A MANNER AS TO BE EASILY OPERABLE. PROVIDE DCW ISOLATION VALVES ON ALL BRANCHES OFF MAIN PIPE. EVERY PLUMBING FIXTURE SHALL HAVE ISOLATION VALVES FOR FIXTURE REMOVAL AND MAINTENANCE PURPOSES.

J FOR ALL WATER SUPPLY PIPES FROM BELOW GRADE, INSTALL MANUAL AIR VENTS AT HIGH POINTS AND DRAIN VALVES WITH HOSE END CONNECTIONS AT THE LOW POINTS OF THE PIPE, ALLOWING FOR COMPLETE SYSTEM DRAINING FOR WINTERIZATION.

K FURNISH ACCESS PANELS TO GENERAL CONTRACTOR FOR INSTALLATION IN WALLS OR CEILING. ACCESS PANELS ARE FOR ALL EQUIPMENT AND SPECIALTIES SUCH AS VALVES, WATER HAMMER ARRESTORS, OR OTHER DEVICES WHICH MAY REQUIRE ACCESS FOR MAINTENANCE OR OPERATION. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF THE ACCESS PANELS.

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
DATE: 2/28/24
DRAWN BY: EG
CHECKED BY: OG



THE CITY OF BETHANY
PROPOSITION 2-F CECIL
MENDENALL PARK RESTROOM
FACILITIES

MECHANICAL / PLUMBING
LEGENDS & NOTES



PROJECT ET424-14
SHEET
MP-1
SHEET 1 OF 2

Gwin Engineering Consultants, LLC
14250 E 80th Street, Oklahoma City, OK 73164
Phone: (405) 848-8500
Email: ogwin@gwin-engineering.com
Oklahoma Civil & Mechanical Engineering License # 67822

MECHANICAL / PLUMBING SPECIFICATIONS

PART 1 - GENERAL

A INTENT

The intent of this section is to cover Basic Mechanical Requirements specifically applicable to plumbing.

B GENERAL REQUIREMENTS

Visit the building site prior to bidding, examine all existing conditions, and verify all dimensions. No extras will be awarded after the contract is signed if conflicts or obstructions between new work and existing construction are not reported.

Work installed by the Contractor which interferes with or affects the existing structures shall be changed as directed and all costs incident to such changes shall be paid by the Contractor.

Any existing condition uncovered during the construction process which, by generally accepted construction practices, should be remedied, should be brought to the attention of the architect immediately and in writing.

Specific locations, mounting heights and overall dimensions of devices and fixtures are to be obtained from the architectural details when available and from site data.

All work of the contract shall be done neatly and proficiently and only by workers skilled in their particular craft.

Except where modified by specific notation to the contrary, it shall be understood that the indication and/or description of any item in the drawings, specifications, or both shall be the instruction to furnish and install the item, regardless of whether or not the instruction is explicitly stated as part of the indication or description.

All work shall be done during normal working hours.

C SCOPE OF WORK

Provide all materials, labor, equipment and services necessary for the installation of all systems as indicated on the drawings.

D CONTRACT DRAWINGS

The contract drawings for the work are diagrammatic, intended to convey the scope of work and indicate the general arrangement and approximate location of equipment and piping; the contractor shall be responsible for checking and verifying all conditions and dimensions. Do not scale drawings.

Drawing Definitions: Where the term "provide" is used, this shall mean furnish and install, complete and ready for the intended use. "Furnish" means supply and deliver to the Project site, ready for unloading, unpacking, assembly, and installation. "Install" describes the operations at the Project site including the actual assembly, erection, anchoring and all similar operations.

Provide any offsets, fittings, etc., necessary for the complete installation of all work of the contract. Provide any accessories required for the complete installation and operation of all systems.

Include all costs to make any alterations and offsets of materials, pipe, conduits, etc., and of equipment as necessary to avoid installation conflicts with existing work.

The drawings and specifications are complementary and any work and material required by the drawings and not mentioned in the specifications or vice versa, shall be executed as if same were both specified and shown.

Any questions or conflict between drawings and specifications shall be referred to the Engineer.

The Engineer reserves the right to require any and/or all Contractors to make minor changes in arrangements at no additional cost to the Owner.

E CODES, STANDARDS AND TESTS

All systems and components shall be installed in accordance with all state, county and local codes and regulations.

All tests shall be performed in accordance with state, county, local, Owner's and engineer's requirements.

F PERMITS

The Contractor is responsible for applying for all required permits and paying for all permit, inspection, licensing, and service fees to authorities having jurisdiction over the work. The Contractor is responsible for arranging for all inspection visits.

G COORDINATION

Perform work under this contract in close harmony with other contractors so completed work shall present a neat and workmanlike installation. The mechanical contractor shall consult the plans of all other trades in all instances before installing their work so that their installations will not interfere with other disciplines. In the event of a conflict, this contractor shall report to the Owner at once and do no further work until a satisfactory arrangement is decided upon. Any work done, or equipment placed in position by the contractor, creating a conflict in violation hereof, shall be readjusted to the satisfaction of the Owner at the expense of the contractor. The decision of the Owner shall be final in regard to changes due to conflicting conditions.

H SUBMITTALS

Submit to engineer/architect ONE (1) electronic copy in PDF format of certified shop drawings, descriptive data, diagrams and specifications on all specified materials and equipment for review in ample time before manufacturers are authorized to make shipment. The information submitted shall be prepared and arranged in a format which will permit easy identification and comparison by the engineer/architect of specified equipment. It shall be the responsibility of the Contractor to furnish any additional copies (showing architect/engineer stamp and comments) as necessary for suppliers and/or building officials.

The make, type and finish of all materials, equipment and apparatus shall be approved by the engineer/architect in writing before the Contractor installs it. Any substitution for any specified equipment or material shall first be approved by the engineer/architect in writing.

Submit typewritten schedule showing all electrical characteristics and requirements for all electrically operated equipment. The schedule shall be used by the electrical Contractor from which he will prepare true work.

Shop drawings shall include, but are not limited to the following: make, model number, dimensions, electrical characteristics (rating). Shop drawings shall bear name of project and location.

Any changes to items specified must be submitted as a substitution with complete documentation of price differential and equipment details.

I RECORD DRAWINGS

Contractor shall keep at least one set of colored corrected shop and design drawings at the site. Drawings shall be current, denoting approved modifications and installed departure.

All utilities which are installed below grade or concealed within walls shall be dimensionally located on the record drawings.

J OWNER FURNISHED EQUIPMENT

All equipment that is furnished by the Owner is assigned to the Contractor that is designated to install the equipment as though the Contractor furnished the equipment itself. The Contractor is responsible for all aspects of the equipment including verifying the order, coordinating and accepting delivery, rigging, installation, start-up, coordination, warranty repairs, collection and submittal of equipment manuals, and all other activities associated with the equipment unless specifically indicated otherwise. Refer to the pre-purchase specifications or order forms used by the Owner to select the equipment for any features included with each piece of equipment.

K CUTTING AND PATCHING

The Contractor is responsible for any cutting, patching, painting, supports, and roofing as required to complete work indicated on drawings. Restoration shall be handled in a manner acceptable to the engineer/architect. All floor or fire wall penetrations are to be firestopped. Use Dow Corning 3-6548 silicone RTV foam or approved equal.

Repair adjacent construction and finishes in ceilings, walls, floors or partitions that have been damaged during demolition or created during extension of work. Repair all penetrations in fire rated ceilings, walls, floors or partitions to the original fire ratings using approved fire stop materials.

L PREPARATION

Coordinate the installation of equipment with the schedules of other trades to prevent unnecessary delays in the total project.

M EQUIPMENT VERIFICATION

Verify all equipment ratings, connections and locations with installing Contractor before installation.

The Contractor shall verify that all equipment furnished will properly fit in the space provided, that it will function properly, and that all parts of equipment requiring service are readily accessible.

N CLEANING / DEBRIS REMOVAL

The Contractor shall remove from the premises all accumulation of dirt, debris, waste materials and rubbish caused by their employees or work, at least once a week, except that combustible materials shall be removed daily.

Clean equipment to remove foreign objects and markings. The Contractor is responsible for any damages caused by work of their trade.

O SUBSTITUTIONS

Certain makes of materials and equipment are specified and drawings are detailed according to the material. Contractor shall base their bid on furnishing and installing the specified make and model or the "equivalent" model of another of the specified manufacturers which meets all the qualifications of the specified items.

"Equivalent" materials and equipment are those of manufacturer which meet the same standards of performance, have equal or better maintenance characteristics, and equal or better maintenance characteristics. All equivalents must fit the space provided in the building structure. Where the use of equivalents results in changes, the Contractor shall be responsible for such changes and any costs resulting from them.

If the Contractor intends to use equipment or materials not specified, he must receive written approval from the engineer/architect prior to the award of the contract. This prior approval only permits submittal of a particular manufacturer's equipment in general. The specified item to be used must again be submitted for final review as specified under "shop drawings."

P WARRANTY

This Contractor shall provide a written warranty of all work done under this contract for a period of one year from date of substantial completion. The Contractor shall, at their own expense, remedy any defects due to faulty materials and/or workmanship and pay any damage to other work resulting from such defects and/or the remedying thereof, which shall appear within the warranty period.

All materials shall be free of defects or errors which would result in poor application or cause defects in workmanship.

Q PROJECT CLOSEOUT

Furnish three final copies of installation and maintenance manuals, warranties, and other submittal data indicated for inclusion. Bind in 3-ring binders with tabs for each division or major piece of equipment. Include wiring diagrams, parts catalogs, and other manufacturer's information.

Submit a certificate of final inspection and approval. Submit release of liens for all subcontractors and suppliers. Submit record drawings.

Final payment will not be approved until all closeout items are received.

R REFERENCES

Where applicable, the following standards shall apply to materials, equipment, and workmanship provided to meet these specifications:

- ASME Sec. 9 - Welding and Brazing Qualifications
- ASME B16.3 - Malleable Iron Threaded Fittings Class 150 and 300
- ASME B16.22 - Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
- ASME B31.5 - Refrigeration Piping
- ASTM A53 - Pipe, Steel, Black and Hot-Dipped, Zinc Coated (Galvanized), Welded and Seamless, for Ordinary Uses
- ASTM A120 - Pipe, Steel, Black and Hot-Dipped Zinc Coated (Galvanized), Welded and Seamless, for Ordinary Uses
- AWS A5.8 - Brazing Filler Metal
- MSS SP58 - Pipe Hangers and Supports - Materials, Design and Manufacture
- MSS SP89 - Pipe Hangers and Supports - Selection and Application
- MSS SP98 - Pipe Hangers and Supports - Fabrication and Installation Practices
- AFBMA 9, 11 - Load Ratings and Fatigue Life for Ball and Roller Bearings
- IEEE 112 - Test Procedure for Polyphase Induction Motors
- NEMA MG 1 - Motors and Generators
- NFPA 70 - National Electric Code
- ASTM E84 - Flame Spread/Smoke Developed Rating
- ASHRAE 15 - Safety Code for Mechanical Refrigeration
- NEMA 250 - Enclosure for Electrical Equipment
- UL 207 - Refrigerant Containing Components and Accessories

PART 2 - PRODUCTS

A EQUIPMENT

All equipment shall be as specified on the drawings and in the schedules. Provisions for substitutions are listed in Part 1.

B IDENTIFICATION

All equipment shall be identified with laminated three-layer plastic engraved nameplates with black letters on white background. Nameplates will be mechanically fastened to the equipment. Glued application is not acceptable.

PIPE, FITTINGS AND VALVES

- 1 Domestic water piping - 3" and smaller, above grade
- Copper Tubing, ASTM B88, Type L, hard draw
- Fittings, ASME B16.18, cast brass, or ASME B16.22, solder wrought copper
- Joints, Solder, lead free, ASTM B32, 95-5 tin-antimony, or tin and silver, with melting range 430 to 535 degrees F
- Flanges, Bronze
- Dielectric Connections, Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier
- Unions, 150 PSIG bronze unions, solder joints
- Bronze Ball Valve, Solder ends, up to and including 2 inches
- Manufacturers: Watts Series B8001-SS, Groenig Fig. 370052-B Apollo 70-200 series, or Owner approved Equal
- 2 Bronze, two piece body, stainless steel ball and stem, ball on seats and stuffing box ring, lever handle (extended above surface of insulation) solder ends
- Rated for 200 psi at 100 F
- Butterfly Valve, Lugged, 12 inches
- Manufacturers: Groenig Series 8000 Jamesbury 815 series, Demco NE-C, Hebo LD-2000 Keystone Fig. 222, Centaline, or Owner approved Equal
- 3 Iron body, stainless steel or aluminum bronze disc, resilient EPDM replaceable seat for service temperature up to 300 F, 10 position lever handle for 6 inch and smaller, handwheel and gear actuator with indicator for 8 inch and larger
- Rated for 170 psi dead-end water services

2 Domestic water piping - 3" and smaller, below grade

- Copper Tubing, ASTM B88, Type K, soft
- Fittings, ASME B16.18, cast brass, or ASME B16.22, solder wrought copper
- Joints, Solder, lead free, ASTM B32, 95-5 tin-antimony, or tin and silver, with melting range 430 to 535 degrees F
- Dielectric Connections, Union with galvanized or plated steel threaded end, copper solder end, water impervious isolation barrier
- 3 Sanitary vent, drain, condensate drain piping above or below grade
- Cast iron no-hub or Schedule 40 PVC piping to match existing
- PVC pipes may not be used in return air plenums
- 4 Natural gas piping - 2" and smaller, above grade, to 1/4 PSIG, Standard weight, Schedule 40, Type F, Grade B, screwed ends, black carbon steel pipe (ANSI/ASTM A53)

PART 3 - EXECUTION

A SCHEDULING OF WORK

Work is to be scheduled with Owner's representative and all other trades to accommodate occupancy dates and to expedite the timely completion of the project. Any utility outages or work which interferes with use of facility must be scheduled 24 hours in advance.

Coordinate the installation with all conditions and the work of other Contractors. The Contractor shall incur all costs for relocation of equipment conflicting with existing equipment or new work by other disciplines. Trenching, saw cutting, coring, or other structural modifications shall not be performed without notification of the Owner and careful field verification by the Contractor to ensure that no adverse effect to the building's structural integrity will occur.

B PIPE TESTING AND CLEANING

All new domestic water piping shall be hydrostatically tested to 1-1/2 times the maximum working pressure and held for a period of not less than 2 hours.

All natural gas piping to be pneumatically tested and held for one hour or per standard of governing authority. Tests shall be witnessed by the Owner's representative. Test results shall be submitted to engineer.

All potable water systems shall be sanitized in accordance with all state and local requirements. Sanitary and vent piping shall be tested in accordance with state and local codes.

C PIPING AND EQUIPMENT INSTALLATION

All piping shall be run parallel or perpendicular to building walls and framing system unless noted otherwise on the plans. All vertical runs shall be held against walls, columns, etc. as possible to permit mating of pipe joints.

Provide isolation valves, easily accessible, for all major plumbing equipment, fixture groups, suites and/or tenant spaces.

Perform all cutting, patching and repairing required for the installation of the plumbing systems unless otherwise noted on the drawings.

All systems and equipment shall be installed in accordance with all state and local codes, ANSI B31.9 Building Services Piping and all additional standards as listed.

Install all equipment and products in accordance with manufacturer's recommendations.

Provide all sleeves, caulking and sealants as required for the installation of piping and equipment.

Provide sheaths and sheaths on all piping 2 inch diameter and larger to protect insulation from being crushed by the piping weight. Insert to be heavy density insulating material, minimum 6 inch long. Sheath to be galvanized steel, contoured to fit particular application and installed between the hanger and the insert.

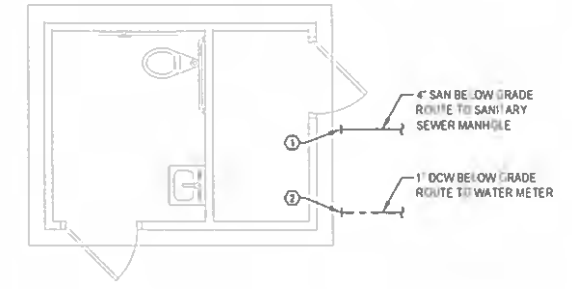
Install each fixture with trap, easily removable for servicing and cleaning.

Provide chrome plated rigid or flexible supplies to plumbing fixtures including screwdriver stops, reducers and escutcheons.

Seal fixtures to wall and floor surfaces with sealant, color to match fixture.

At completion, clean plumbing fixtures and equipment.

END OF SECTION



1 MECH / PLBG PLAN
SCALE: 1/4"=1'-0"

DRAWING NOTES:

- 1 4" SANITARY SEWER (SAN) BELOW GRADE, 24" BELOW FINISHED BUILDING SLAB. CAREFULLY COORDINATE POINT OF CONNECTION REQUIREMENTS AND LOCATION WITH PRE-FABRICATED RESTROOM BUILDING SUPPLIER. VERIFY THAT ALL WORK IS IN COMPLIANCE WITH LOCAL CODES.
- 1' DOMESTIC COLD WATER (DCW) BELOW GRADE, 30" BELOW FINISHED BUILDING SLAB. CAREFULLY COORDINATE POINT OF CONNECTION REQUIREMENTS AND LOCATION WITH PRE-FABRICATED RESTROOM BUILDING SUPPLIER. VERIFY THAT ALL WORK IS IN COMPLIANCE WITH LOCAL CODES. VERIFY THAT PROPER BACKFLOW PREVENTION MEASURES ARE IN PLACE (AT THE BUILDING OR AT THE METER PIT) TO PROTECT THE PUBLIC WATER SUPPLY.

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE:	AS SHOWN
DATE:	2/28/24
DRAWN BY:	EG
CHECKED BY:	OG



THE CITY OF BETHANY
PROPOSITION 2-F CECIL
MENDENALL PARK RESTROOM
FACILITIES

MECHANICAL / PLUMBING
FLOOR PLANS
AND SPECIFICATIONS

PROJECT ET424-14
SHEET
MP-2
SHEET 2 OF 2

LIGHTING CONTROL SYMBOLS	
Ⓐ	SINGLE POLE WALL SWITCH
Ⓐ ³	THREE WAY WALL SWITCH
Ⓐ ^{OS}	SINGLE POLE WALL SWITCH WITH OCCUPANCY SENSOR
Ⓐ ^{3OS}	THREE WAY WALL SWITCH WITH OCCUPANCY SENSOR
Ⓐ ^P	SINGLE POLE LIGHT SWITCH WITH PILOT LIGHT
Ⓐ ^D	DIMMER SWITCH
Ⓐ ^{OS}	OCCUPANCY SENSOR / AMBIENT SENSOR, CEILING MOUNT
Ⓐ ^{SFS}	SINGLE FUNCTION DIGITAL SWITCH
Ⓐ ^{MFS}	MULTI-FUNCTION DIGITAL SWITCH

NOTE: NOT ALL SYMBOLS MAY BE USED

LIGHTING FIXTURE SYMBOLS	
Ⓐ	LIGHT FIXTURE TYPE
Ⓐ	2' x 4' RECESSED LIGHT FIXTURE
Ⓐ	2' x 4' RECESSED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	RECESSED LED DOWNLIGHT FIXTURE
Ⓐ	RECESSED LED DOWNLIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	4' SURFACE MOUNT LED LIGHT FIXTURE
Ⓐ	4' SURFACE MOUNT LED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	2' x 4' HIGH BAY LED LIGHT FIXTURE
Ⓐ	2' x 4' HIGH BAY LED LIGHT FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	SURFACE MOUNT LED UNDER-CANOPY FIXTURE
Ⓐ	SURFACE MOUNT LED UNDER-CANOPY FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	WALL MOUNTED LED FIXTURE
Ⓐ	WALL MOUNTED LED FIXTURE, WITH EMERGENCY BACK-UP POWER
Ⓐ	POLE MOUNTED LIGHT FIXTURE
Ⓐ	EMERGENCY POWER INVERTER

NOTE: NOT ALL SYMBOLS MAY BE USED

WIRE SIZING TABLE					
RUN LENGTH		CIRCUIT BREAKER SIZE			
120V	277V	20A	30A	40A	50A
000-100'	000-200'	#12	#10	#8	#6
101-150'	201-300'	#10	#8	#6	#6
151-200'	301-450'	#8	#6	#4	#4

GENERAL NOTES (APPLIES TO ALL ELECTRICAL DRAWINGS):

- EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR TEMPERATURE CONTROL THERMOSTAT, AND CO2 SENSORS. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS OF THESE DEVICES.
- EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).
- EC SHALL DERATE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE.
- WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.
- WHERE A TV OUTLET IS INDICATED ON THE DRAWINGS, BOTH THE TV OUTLET AND THE ASSOCIATED RECEPTACLES SHALL BE MOUNTED AT 88" AFF, UNLESS SPECIFIED OTHERWISE.
- ALL VAV BOXES, EXHAUST FANS, MOTORS, WSC, HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.
- EMERGENCY CIRCUITS SHALL BE INSTALLED IN A SEPARATE CONDUIT SYSTEM.
- ALL PANELBOARDS SHALL BE INSTALLED 72" AFF TO THE TOP OF THE PANEL. PROVIDE 10% SPARE CONDUITS (MINIMUM OF 4) TO ABOVE THE CEILING FOR FUTURE.
- ALL DATA OUTLETS REQUIRE A MINIMUM OF 1" CONDUIT STUB TO ABOVE CEILING. PROVIDE A 3-1/2" DEEP BOX MINIMUM FOR ALL DATA OUTLETS.
- HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.
- FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LUMINAIRE SCHEDULE.
- ITALICS NEXT TO LIGHTING CIRCUITS AND DEVICES INDICATE LIGHTING CONTROL PANEL CONNECTIONS. RUN CIRCUIT TO APPROPRIATE LIGHTING CONTROL PANEL.

POWER SYMBOLS	
Ⓐ	JUNCTION BOX
Ⓐ	SIMPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	DOUBLE DUPLEX (QUAD) RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	DUPLEX RECEPTACLE, CEILING MOUNTED
Ⓐ	DUPLEX RECEPTACLE, FLOOR MOUNTED
Ⓐ	DUPLEX RECEPTACLE, ABOVE COUNTER
Ⓐ	SPECIAL OR DEDICATED RECEPTACLE, VOLTAGE AND AMPS AS NOTED, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	GFCI RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	WEATHERPROOF RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	PLUGMOLD, LENGTH AS NOTED, 18" AFF (UNLESS OTHERWISE NOTED)
Ⓐ	MOTOR STARTED RATED SWITCH
Ⓐ	DISCONNECT SWITCH, NON-FUSED
Ⓐ	DISCONNECT SWITCH, FUSED AS NOTED
Ⓐ	480/277V 3-PHASE, 4-WIRE DISTRIBUTION PANEL
Ⓐ	480/277V 3-PHASE, 4-WIRE LIGHTING/POWER PANEL
Ⓐ	208/120V 3-PHASE, 4-WIRE LIGHTING/POWER PANEL
Ⓐ	120/240V 1-PHASE, 3-WIRE LIGHTING/POWER PANEL
Ⓐ	MOTOR, CHARACTERISTIC AS NOTED
Ⓐ	PUSHBUTTON STATION
Ⓐ	POWER SUPPLY, ELECTRIC FLUSH VALVE / FAUCET
Ⓐ	THERMOSTAT
Ⓐ	COMBINATION MOTOR STARTER DISCONNECT SWITCH
Ⓐ	PULL-BOX
Ⓐ	VARIABLE FREQUENCY DRIVE WITH DISCONNECT

NOTE: NOT ALL SYMBOLS MAY BE USED

COMMUNICATIONS SYMBOLS	
Ⓐ	DATA OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER
Ⓐ	TELEPHONE OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER
Ⓐ	COMBINATION TELEPHONE / DATA OUTLET, VERIFY MOUNTING HEIGHT WITH OWNER

NOTE: NOT ALL SYMBOLS MAY BE USED

WIRING METHODS							
APPLICATION	BACKBAYS	OUTLET BOXES	CONDUIT BODIES	ENCLOSURES	FASTENERS	SUPPORTS	INSULATION
EXTERIOR - UNDERGROUND DIRECT BURIAL	POLYVINYL	-	-	-	-	-	XHPN
EXTERIOR - EXPOSED	CHLORIDE-SHIELD INTERMEDIATE METAL CONDUIT	GALVANIZED WALLEABLE IRON	GALVANIZED WALLEABLE IRON	NEMA 3R	GALVANIZED	GALVANIZED	XHPN
INTERIOR - UNDERSLAB ON GRADE	POLYVINYL	-	-	-	-	-	XHPN
INTERIOR - CONCEALED CWU WALLS	CHLORIDE-SHIELD ELECTRICAL METALLIC TUBING	SHEET METAL	-	NEMA 1	ZINC PLATED	ZINC PLATE	THHN/THWN
INTERIOR - EXPOSED	ELECTRICAL METALLIC TUBING	SHEET METAL	CAST ALUMINUM	NEMA 1	ZINC PLATED	ZINC PLATE	THHN/THWN
CONNECTION TO MOTORIZED EQUIPMENT	LIGHTDUTY FLEXIBLE METALLIC CONDUIT	-	-	-	-	-	THHN/THWN
INTERIOR - EXPOSED (SUBJECT TO ABUSE)	RIGID METAL CONDUIT	SHEET METAL	CAST ALUMINUM	NEMA 1	ZINC PLATED	ZINC PLATE	THHN/THWN

- NOTES:
- 1" MINIMUM CONDUIT UNDERGROUND DIRECT BURIAL, 3/4" MINIMUM ALL OTHER INSTALLATIONS
 - DO NOT ROUTE CONDUIT UNDERSLAB, UNLESS INDICATED ON DRAWINGS.
 - 6' MINIMUM LENGTH ON ALL CONNECTIONS TO MOTORIZED EQUIPMENT.
 - ON EXTERIOR INSTALLATIONS, CONDUIT SHALL ENTER FROM THE BOTTOM WHERE PRACTICAL, AND WATERIGHT HUBS SHALL BE USED FOR CONDUIT CONNECTIONS.

EXIT/EMERGENCY LIGHTING FIXTURE SYMBOLS	
Ⓐ	EXIT LIGHT FIXTURE - CEILING MOUNTED, SEE PLAN FOR DETAILS
Ⓐ	EXIT LIGHT FIXTURE - WALL MOUNTED, SEE PLAN FOR DETAILS
Ⓐ	EMERGENCY/EXIT LIGHT COMBO FIXTURE - WALL MOUNTED, SEE PLAN FOR DETAILS
Ⓐ	EXIT LIGHT FIXTURE - WALL MOUNTED, DOUBLE SIDED, SEE PLAN FOR DETAILS
Ⓐ	EXIT LIGHT FIXTURE - CEILING MOUNTED, DOUBLE SIDED, SEE PLAN FOR DETAILS
Ⓐ	EMERGENCY LIGHT FIXTURE, MAIN UNIT - WALL / CEILING MOUNTED
Ⓐ	EMERGENCY LIGHT FIXTURE, REMOTE UNIT - WALL / CEILING MOUNTED

NOTE: NOT ALL SYMBOLS MAY BE USED

ABBREVIATIONS	
A	AMPERES
AC	ABOVE COUNTER, 8" UNLESS OTHERWISE NOTED
AF	AMP FRAME
AFCI	ARCING FAULT CIRCUIT INTERRUPTER
AF	ABOVE FINISHED FLOOR
ASC	ASYMMETRICAL AMPS INTERRUPTING CAPACITY
AS	AMPERE SWITCH
AT	TRIP AMPERES
C	CONDUIT
EMT	ELECTRICAL METALLIC TUBING
EG	EQUIPMENT GROUND
FCU	FAN COIL UNIT
GFI	GROUND FAULT INTERRUPTER
G	GROUND
HP	HORSEPOWER
KVA	KILOVOLT AMPERES
MB	MAIN CIRCUIT BREAKER
MN	MINIMUM
MLO	MAIN LUGS ONLY
NEC	NATIONAL ELECTRICAL CODE
NEHA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NL	NIGHT LIGHT
O.C.	ON CENTER
P	POLE
P.C.	PARTIAL CIRCUIT
PH	PHASE
RECPT	RECEPTACLE
REF.	REFERENCE
THD	TOTAL HARMONIC DISTORTION
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VA	VOLT AMPERES
W	WATTS
Z	IMPEDANCE
%	PERCENT

NOTE: NOT ALL ABBREVIATIONS MAY BE USED

FIRE ALARM SYMBOLS	
Ⓐ	FIRE ALARM - DUCT DETECTOR
Ⓐ	FIRE ALARM - HEAT DETECTOR
Ⓐ	FIRE ALARM - MANUAL PULL STATION
Ⓐ	FIRE ALARM - PHOTO SMOKE DETECTOR
Ⓐ	FIRE ALARM - STROBE
Ⓐ	FIRE ALARM - SPEAKER STROBE
Ⓐ	FIRE ALARM - VALVE TAMPER SWITCH

REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: NTS
DATE: 2-28-24
DRAWN BY: JAR
CHECKED BY: FR



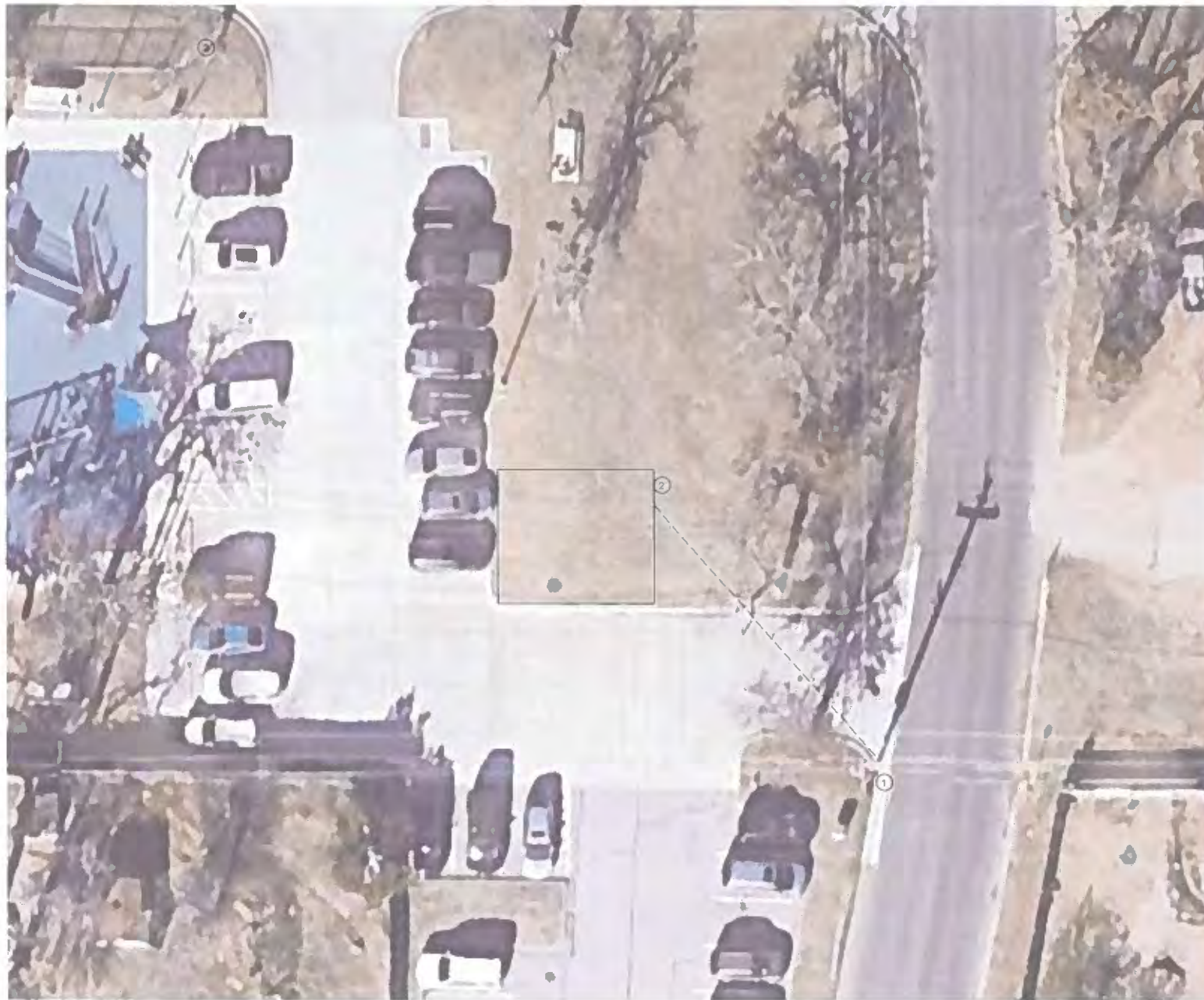
THE CITY OF BETHANY
PROPOSITION 2-F CECIL
MENDENHALL PARK RESTROOM
FACILITIES

ELECTRICAL
LEGEND/GENERAL

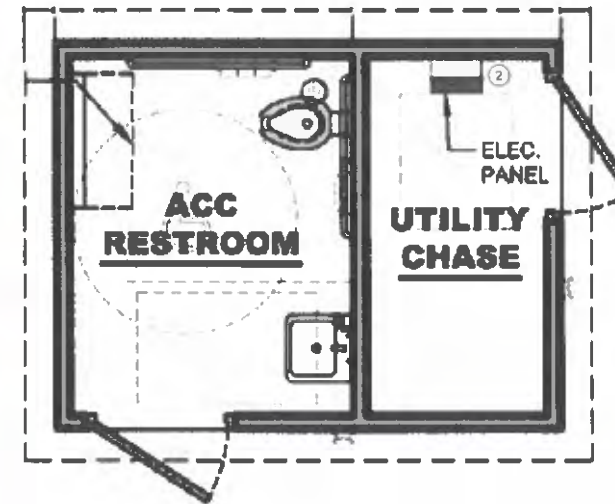


PROJECT ET424-14
SHEET
E-0
SHEET 1 OF 3

Owin Engineering Consultants, LLC
34250 E 800 Road, Chandler, OK 74834
Phone: (405) 950-0005
Email: owin@owin-engineering.com
Chandler, OK 74834
CEC



A SITE PLAN
NTS



B FLOOR PLAN
1/4"=1'-0"

GENERAL NOTES

- A UNLESS NOTED OTHERWISE CIRCUITS ARE 20A, 2 #12AWG, #12 E G IN 3/4" MINIMUM EMT ALL WIRES THHN/THWN & COPPER
- B SUPPLY ANY OUTDOOR GFI RECEPTACLES WITH "IN SERVICE" COVERS

KEYED NOTES

- 1 OG&E UTILITY POLE CONTACT UTILITY COMPANY FOR 120/240V 3-WIRE 100A SERVICE CONNECTION SERVICE CONDUCTORS TO BE OVERHEAD OR UNDERGROUND, METER AND GROUND SERVICE AT BUILDING.
- 2 LOAD CENTER SUPPLIED WITH BUILDING COORDINATE POINT OF ENTRY OF SERVICE WITH SUBMITTED PRODUCT



REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: 2-28-24
 DRAWN BY: JAR
 CHECKED BY: FR



THE CITY OF BETHANY
 PROPOSITION 2-F CECIL
 MENDENHALL PARK RESTROOM
 FACILITES

ELECTRICAL
 SITE ELECTRICAL POWER



PROJECT ET424-14
 SHEET
 E-1
 SHEET 2 OF 3

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: April 2, 2024
Subject: Discussion and possible approval of Engineering Design Contract for Community Development Block Grant waterline replacement project with TEIM Design.

BACKGROUND

The Oklahoma Department of Commerce is accepting applications for Community Development Block Grants (CDBG). The City’s application will be for an area generally located between NW 36th and NW 32nd, and Holloway and Mueller to continue with improvements completed with the last CDBG grant. The design contract will only be initiated upon approval of the CDBG Grant or if directed by the City.

Staff recommends approval of the attached contract for an amount of \$49,500.

RECOMMENDATION

1. Approve Engineering Design Contract between the City of Bethany and TEIM Design for design of CDBG waterline replacement project.

ADDITIONAL COMMENTS

Funding for this contract will come from the Capital Improvement Fund.



**CITY OF BETHANY, OKLAHOMA
ENGINEERING CONTRACT**

This contract entered into between the City of Bethany, Oklahoma, hereinafter called the "City"; and TEIM Design, PLLC., 3020 NW 149th Street, Oklahoma City, Oklahoma, hereinafter called the "Engineer". This _____ day of April 2024 for the purpose of providing engineering services, contract documents, and construction inspection for the CDBG Waterline Replacement Project, hereinafter referred to as the PROJECT;

The City and Engineer in consideration of their mutual covenants herein agree in respect of the performance of professional engineering services by Engineer and the payment for those services by City, as set forth below.

This contract will only be initiated upon approval of the Oklahoma Department of Commerce Community Development Block Grant Application for Waterline Replacement or if directed by the City to complete the design. The contract will be valid for up to 4 years, with renewal if needed, to complete design work identified in Exhibit "A".

Engineer shall serve as City's professional engineering representative in those phases of the PROJECT to which this agreement applies and will give consideration and advice to City during the performance of their services.

SECTION 1

A. BASIC SERVICES OF ENGINEER

1. The Engineer shall perform professional services as hereinafter stated which include normal civil, surveying, and geotechnical activities as required.
2. To comply with all federal, state, and local laws, regulations, and ordinances applicable to the work.
3. That prior to beginning the work, the Engineer shall obtain and furnish current copies (certificates) to the City of:
 - a) Workers' Compensation Insurance in accordance with the laws of the State of Oklahoma.
 - b) Policy Limits: The insurance coverage and limits required of the Engineer under this Contract are designed to meet the minimum requirements of the City and its participating trusts.
 - c) Commercial General Liability Insurance. The Engineer shall provide and maintain commercial general liability insurance coverage sufficient to meet the maximum cumulative liability of all parties to this Contract, including the City and any public trust participating in the Project, under the Governmental Tort Claims

Act, 51 O.S. § 151 et seq., (GTCA) and any amendment or addition thereto, as provided herein.

Property damage liability in an amount not less than Two Hundred Thousand Dollars (\$200,000.00) per claimant for loss, damage to or destruction of property, including but not limited to consequential damages arising out of a single accident or occurrence.

All other liability in an amount not less than One Hundred Seventy-Five Thousand Dollars (\$175,000.00) per claimant for claims including death, personal injury, and all other claims arising out of a single accident or occurrence.

Single occurrence or accident liability in an amount not less than One Million Dollars (\$1,000,000.00) for any number of claims arising out of a single accident or occurrence.

- d) Automobile Liability Insurance. The Engineer shall provide and maintain comprehensive automobile liability insurance coverage as to the ownership, maintenance, and use of all owned, non-owned, leased or hired vehicles sufficient to meet the maximum cumulative liability of all parties to this Contract, including the City and any public trust participating in the Project, under the Governmental Tort Claims Act, 51 O.S. § 151 *et seq.*, (GTCA) and any amendment or addition thereto, unless otherwise specifically and expressly provided herein.

Property damage liability in an amount not less than Two Hundred Thousand Dollars (\$200,000.00) per claimant for loss, damage to or destruction of property, including but not limited to consequential damages arising out of a single accident or occurrence.

All other liability in an amount not less than One Hundred Seventy-Five Thousand Dollars (\$175,000.00) per claimant for claims including death, personal injury, and all other claims arising out of a single accident or occurrence.

Single occurrence or accident liability in an amount not less than One Million Dollars (\$1,000,000.00) for any number of claims arising out of a single accident or occurrence.

- e) Professional Liability Insurance in the amount of \$1,000,000. This insurance (A, B, C, & D) shall be maintained a full force and effect during the life of this engineering contract.

7. Indemnity

Subject to the laws of Oklahoma and applicable federal law, Engineer agrees to defend and hold harmless the City of Bethany for the negligent and intentional acts of the Engineer's own employees, agents, representatives, divisions, and affiliates that arise out of or are related to the performance of any of the Engineer's obligations under this Agreement.

8. That the Engineer and his subcontractors are to maintain all books, documents, papers, accounting records, and other evidence pertaining to cost incurred and to make such materials available at their respective offices at all reasonable times, during the contract period for three years from the date of final payment under the contract, for inspection by the City and copies thereof shall be furnished if requested.

9. Preliminary Design Phase

After written authorization to proceed with the Preliminary Phase, Engineer shall:

- 9.1 In consultation with the City and on the basis of the Scope of Services (Exhibit "A"), prepare preliminary design documents consisting of final design criteria, preliminary plans, and outline specifications.
- 9.2 Based on preliminary design plans, submit an opinion of probable cost for the project including construction cost, contingencies, and compensation for all professionals and consultant services.
- 9.3 Furnish three (3) copies of the above preliminary design plans and present and review them in person with the City.

10. Final Design Phase

After written authorization to proceed with the Final Design Phase, Engineer shall:

- 10.1 On the basis of the accepted preliminary design plans, incorporate in the contract documents final plans, quantities, construction estimates, and specifications to show the character and scope of the work to be performed by the Contractors on the PROJECT.
- 10.2 Furnish to City such documents and design data as may be required and assist in the preparation of the required documents so that the City may obtain approvals of such governmental authorities as have jurisdiction over design criteria applicable to the PROJECT and assist in obtaining such approvals by participating in submissions to and negotiations with appropriate authorities.
- 10.3 Advise the City of any adjustments to their latest opinion of probable project cost caused by changes in design requirements or construction costs and furnish a revised opinion of probable project cost based on the drawings and specifications.
- 10.4 Prepare bid forms, notice to bidders, instruction to bidders, general conditions, and supplementary conditions, and assist in the preparation of other related documents.

- 10.5 Furnish three (3) copies of the above documents and present and review them in person with the City.
- 10.6 Furnish five (5) copies of the approved final design documents to the City.
- 10.7 Assist the City in the acquisition of the required local, State and Federal government permits (ODEQ, OWRB, etc.) and private permits (railroad, utility, etc.). The Engineer shall at no additional cost to City provide sets of construction plans and specifications as may be necessary for application of such permits.

11. Advertising and Bidding Phase

After written authorization to proceed with the Advertising and Bidding Phase, the Engineer shall:

- 11.1 Assist City in obtaining bids or negotiating proposals for the construction contract. The Engineer shall supply prospective bidders with the project plans and contract documents for a fee to be retained by the Engineer to cover the costs for reproduction, etc.; the amount of the fee to be agreed upon by the Engineer and the City. The Engineer shall record the name, address, telephone number, and email address of each prospective bidder obtaining the contract documents.
- 11.2 Attend the Pre-Bid Conference to assist the City in answering any questions pertaining to the PROJECT which the prospective bidders may have.
- 11.3 Consult with and advise the City as to the acceptability of sub-contractors and other persons or organizations proposed by the Contractor(s) for those portions of the work as to which such acceptability is required by the contract documents.
- 11.4 Consult with and advise the City as to the acceptability of substitute materials and equipment proposed by Contractor(s) when substitution is permitted by the contract documents.
- 11.5 Assist the City in evaluation bids or proposals and in assembling and awarding contracts.

12. Construction Phase

During the Construction Phase, the Engineer shall:

- 12.1 Consult with and advise the City and act as their representative. All of the City's instructions to contractor(s) will be issued through the City Manager or their designated representative.
- 12.2 Make monthly visits to the site to observe as an experienced and qualified

design professionals, the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the contract document; they shall not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of work; shall not be responsible for the means, methods, techniques, sequences or procedures of construction selected by Contractor(s) or the safety precautions and programs incident to the work of Contractor(s). Their efforts will be directed toward providing assurance for City that the completed PROJECT will conform to the contract documents; but they shall not be responsible for the failure of Contractor(s) to perform construction work in accordance with the contract documents. During such visits and on the basis of their on-site observances, they shall provide the City written reports on the progress, performance, and quality of the work. The Engineer shall endeavor to guard the City against defects and deficiencies in the work of Contractor(s) and may recommend to City the disapproval or rejection of work as failing to conform to the contract documents.

- 12.3 Review and approve shop drawings and samples, the results of tests and inspections and other data which any Contractor is required to submit, but only for conformance with the design concept of the PROJECT and compliance with the information given in the contract documents; determine the acceptability of substitute materials and equipment proposed by Contractor(s); and receive and review (for general content as required by the specifications) maintenance and operating instructions, schedules, guarantees, bonds and certificates of inspection which are to be assembled by Contractor(s) in accordance with the contract documents.
- 12.4 Conduct, when notified by City, a final inspection of the project and provide the City a written report indicating the Engineer's opinion as to the conformance of the completed work to the contract documents, quality of the work performed, performance of the Contractor(s) and a list of any deficient items.
- 12.5 Perform such additional services as may be set forth under this phase of the work as shown in Exhibit "A".

SECTION 2

CITY RESPONSIBILITIES

The City Shall:

1. To pay a total fee based on hourly rates or lump sum amount. The total fee for provided services are presented on EXHIBIT "A".

Said payments to be made based on monthly invoices for hours worked or percent complete on lump sum projects.

2. Provide full information as to their requirements for the project.
3. Assist the Engineer by placing at their disposal all available information pertinent to the project including previous reports and any other data relative to design and construction of the PROJECT.
4. Examine all studies, reports, sketches, estimates, specifications, drawings, proposals, and other documents presented by the Engineer and render in writing decisions pertaining within a reasonable time so as not to delay the services of the Engineer.
5. Pay all permitting costs associated with the PROJECT.
6. Pay all advertising costs incident to obtaining bids or proposals from Contractor(s).
7. Return to the Engineer submitted project documents for City's review on which the Engineer has not substantially addressed previously noted provisions and comments. The Engineer's contract time will not be suspended for submission of project documents which do not contain substantial revisions.
8. Provide a testing firm and pay all costs for testing, as required for design of the PROJECT, unless specified otherwise.
9. Designate in writing a person to act as the City's representative with respect to the work to be performed under this agreement. Such person shall have complete authority to transmit instructions, receive information, and interpret and define the City's policies and decisions with respect to materials, equipment, elements, and systems pertinent to the Engineer's services.
10. Issue all instructions to the Engineer; act as interpreter of the requirements of the contract documents and judge of the performance thereunder by the parties thereto and shall make decisions on all claims of the Engineer relating to the execution and progress of the work and all other matters and questions related thereto.
11. In consultation with the Engineer, issue all instructions to Contractor(s); prepare routine change orders as required; require, if deemed appropriate, special inspection or testing of the work; act as interpreter of the requirements of the contract documents and judge of the performance thereunder by the parties thereto and shall make decisions on all claims of the City and Contractor(s) relating to the execution and progress of the work and all other matters and questions related thereto.
12. Have the City Manager or their designated representative, based on their on-site observations and project inspection reports, determine the amounts owing to Contractor(s).
13. Conduct an inspection to determine if the PROJECT is substantially complete and a final inspection to determine if the project has been completed in accordance with the contract documents and if each Contractor has fulfilled all obligations thereunder so that City may approve, in writing, final payment to each Contractor.

SECTION 3

It is further mutually agreed by the City and the Engineer that:

1. For any major revision in the character or scope of the work in design ordered in writing by the City, a supplemental agreement will be negotiated, prior to performing the additional work.
2. The City reserves the right to terminate the contract at any time, and if the PROJECT should be abandoned, or the processing of the PROJECT be indefinitely postponed, or if the contract is terminated for any other reasons, the Engineer shall be paid the reasonable value by the City for the data delivered or is ready for delivery upon receipt thereof based upon availability of funds for this work, and such determination by the City shall be conclusive and binding.
3. The Engineer 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". The City reserves the right to terminate this contract at any time, and if this project should be abandoned, or the processing of same indefinitely postponed, or this contract terminated for any other reason, the Engineer shall be paid by the City the reasonable value for the data delivered or ready for delivery upon receipt thereof, and such determination by the City shall be conclusive and binding.
4. Any dispute concerning a question of fact in connection with the work not disposed of by agreement between the parties shall be referred for determination by the City or their duly authorized representative whose decision after approval by the City in the matter shall be final and conclusive on the parties to the contract.
5. The Engineer shall furnish all engineering services, labor, equipment, and incidentals as may be required to perform this contract, except as otherwise provided herein.
6. All work performed and submitted under this contract shall be done in a manner acceptable to the City.
7. A detailed scope of services is attached as EXHIBIT "A", which is hereby incorporated into this contract.
8. This agreement shall be binding upon and inure to the benefit of successors or assigns of the parties hereto.

IN WITNESS WHEREOF, this Contract was executed and approved by the Engineer this 26th day of April 2024.

TEIM DESIGN, PLLC.

ATTEST:

President

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

This instrument was acknowledged before me on this 26th day of April 2024, by Joe Davis, P.E., as President of TEIM Design, PLLC.

My Commission Expires/Commission Number: _____

Notary Public

10-04-2024 / 19010036 (Seal)



IN WITNESS WHEREOF, this Contract was approved and executed by the City of Bethany this _____ day of April 2024.

THE CITY OF BETHANY

ATTEST:

City Clerk

Mayor

EXHIBIT "A"
Scope of Services Services

CITY OF BETHANY
CDBG Grant for Waterline Replacement Project

The Scope of Work shall include all necessary services to furnish complete detailed construction plans, bidding documents, construction administration, and inspection for the work identified below:

Community Development Block Grant for Waterline Replacement in an area generally located between NW 36th and NW 32nd, and between Holloway and Mueller.

The total cost of Engineering Services for this work is \$49,500.00 lump sum.

EXHIBIT "B"

Compensation for Hourly Engineering Services & Payments

Compensation.

- A. The Engineer shall be compensated at the following hourly rates for Project Engineering services performed.

<u>Personnel</u>	<u>Rate</u>
Principal	\$217
Senior Architect	\$185
Senior Engineer	\$185
Project Engineer	\$142
Structural Engineer	\$153
Engineer Intern	\$96
Traffic Engineer	\$178
Environmental Specialist	\$142
CADD Technician	\$108
Design Technician	\$145
Clerical/Admin	\$90
Construction Engineer	\$153
Construction Technician	\$102
Inspector	\$118
Senior Planner	\$163
Planner	\$120

Payments.

- A. Payment of claims for hourly work completed on each task may be submitted. Invoices for the amount and value of the work and services performed by the Engineer shall be submitted monthly to the City and shall meet the standards of quality as established under this Contract. The City agrees to pay the Engineer, as compensation for such engineering services as listed herein. The invoices shall be prepared and submitted by the Engineer and be accompanied by all supporting data required by the City. Payment of any invoice for any work or services is not deemed to be recognition of satisfactory performance of said work or services or a waiver of any right of the City or any obligation of the Engineer should it be determined later that said work or services were negligently performed or provided or were not performed or provided in accordance with the standards required by this Contract.
- B. Final payments for assigned projects shall not be deemed to waive any rights or obligations of the parties to this Contract.

EXHIBIT "C"
EQUAL OPPORTUNITY CLAUSE

The applicant hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR Chapter 60, which is paid for in whole or in part with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to a grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following equal opportunity clause: During the performance of this contract, the Engineer agrees as follows:

- (1) The Engineer will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Engineer will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Engineer agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Engineer will, in all solicitations or advertisements for employees placed by or on behalf of the Engineer, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The Engineer will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Engineer's legal duty to furnish information.
- (4) The Engineer will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Engineer's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The Engineer will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The Engineer will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(7) In the event of the Engineer's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the Engineer may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(8) The Engineer will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Engineer will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance:

Provided, however, that in the event an Engineer becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Engineer may request the United States to enter into such litigation to protect the interests of the United States.

The applicant further agrees that it will be bound by the above equal opportunity clause with respect to its own employment practices when it participates in federally assisted construction work: Provided, that if the applicant so participating is a State or local government, the above equal opportunity clause is not applicable to any agency, instrumentality or subdivision of such government which does not participate in work on or under the contract.

The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of contractors and subcontractors with the equal opportunity clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive Order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive Order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

EXHIBIT “D”

Federal Requirements Under 2 CFR PART 200, Appendix II, As Applicable

A. **Simplified Acquisition Threshold.** Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. §1908, as may be amended from time to time, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

B. **Contract Minimum for Termination for Cause and Convenience.** All contracts in excess of \$10,000 must address termination for cause and for convenience by the non-Federal entity including the manner by which it will be affected and the basis for settlement.

C. **Davis Bacon Act, as amended (40 U.S.C. §3141–3148).** When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. §3141–3144, and 3146–3148) as supplemented by Department of Labor regulations (29 CFR Part 5, “Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction”). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

D. **Copeland Anti-Kick Back Act.** Contracts must also include a provision for compliance with the Copeland “Antikickback” Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, “Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States”). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

E. **Contract Work Hours and Safety Standards Act (40 U.S.C. §3701–3708).** Where applicable, all contracts awarded by the nonfederal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. §3702 and §3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. §3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. §3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply

to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

F. Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of “funding agreement” under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements,” and any implementing regulations issued by the awarding agency.

G. Energy Policy and Conservation Act. Contractor must comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. §6201).

H. Byrd Anti-Lobbying Amendment (31 U.S.C. §1352). Contractors that apply or bid for an award of \$100,000 or more must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. §1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier-to-tier up to the non-Federal award.

J. A non-Federal entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

K. Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to:

- (1) Procure or obtain;
- (2) Extend or renew a contract to procure or obtain; or
- (3) Enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. As described in Public Law 115-232, section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications

equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

Telecommunications or video surveillance services provided by such entities or using such equipment.

Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

In implementing the prohibition under Public Law 115-232, section 889, subsection (f), paragraph (1), heads of executive agencies administering loan, grant, or subsidy programs shall prioritize available funding and technical support to assist affected businesses, institutions and organizations as is reasonably necessary for those affected entities to transition from covered communications equipment and services, to procure replacement equipment and services, and to ensure that communications service to users and customers is sustained.

See Public Law 115-232, section 889 for additional information.

See also § 200.471.

L. Procurement of Recovered Materials. See 2 CFR §200.322.

BETHANY CITY COUNCIL

From: Elizabeth Gray, City Manager
Date: April 2, 2023
Subject: Request Permission to Advertise for Bids for Ripper Park Pickle Ball Courts construction

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 far Northwest corner of the Ripper Park tennis courts. Converting one tennis court will result in the creation of 4 pickle ball courts.

TEIM Design requests permission to advertise for bids.

RECOMMENDATION

1. Approve permission to advertise for bids for Ripper Park Pickle Ball Courts

ADDITIONAL COMMENTS

Funds to pay for this project will come from TSET Grant funds.

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

SPECIFICATIONS

for

RIPPER PARK PICKLEBALL COURTS

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. ET450-84

MARCH, 2024

APPROVAL SHEET

RIPPER PARK PICKLEBALL COURTS

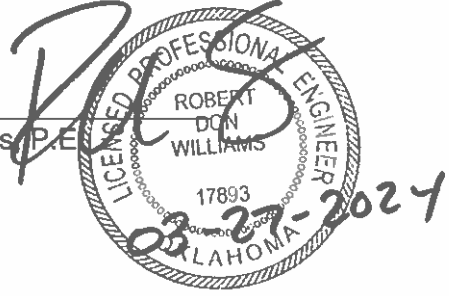
CITY OF BETHANY, OKLAHOMA

SUBMITTED BY

TEIM DESIGN, PLLC

THIS 27th DAY OF March, 2024

Robert Don Williams, 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 **2:00 p.m. on Wednesday the 1st day of May, 2024**, for the construction of:

RIPPER PARK PICKLEBALL COURTS CITY OF BETHANY

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 **2:00 p.m. on Wednesday the 1st day of May, 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 Thursday, April 18th, 2024, at 11:00 a.m. Attendance at the pre-bid conference *is* mandatory.

City Clerk

TABLE OF CONTENTS

	PAGE NO.
Notice to Bidders	NTB-1
OWRB Information to Bidders.....	OIB-1 – OIB 3
Table of Contents	TC-1 - TC-2
General Provision	
Definition of Terms	GP-1 - GP3
Requirements for Bidders.....	GP-4 - GP-6
Award and Execution of Contract	GP-6 - GP-7
Scope of Work	GP-8-GP-9
Control of the Work and Materials	GP-9 - GP-13
Legal Relation and Responsibility to the Public	GP-13 - GP19
Prosecution and Progress	GP-19 - GP-22
Payment.....	GP-22 - GP-23
Special Provisions	
General.....	SP-1
Project Duration	SP-1
Insurance	SP-1
Laws and Ordinances	SP-1
Testing	SP-1
Interpretation of Plans and Specifications.....	SP-2
Rights-of-Way	SP-2
Field Check of Existing Structures.....	SP-2
Protection of Public and Private Property	SP-3
Water	SP-3
Connections with Existing Pipelines	SP-3
Electric Service for Construction	SP-3
Qualification Requirements	SP-4
Project Location	SP-4
Quantity	SP-5
Amount	SP-5
Basis of Payment	SP-5
Award of Contract	SP-5
Approval of Materials	SP-5
Installation of Equipment	SP-5
Operating Data and Procedures Information	SP-6
Guarantee	SP-6
Clean-Up.....	SP-6
Removal of Equipment.....	SP-6
Materials and Workmanship	SP-7
Removal of Defective and Unauthorized Work	SP-7
Correction of Work After Final Payment	SP-7
Measurement and Payment	SP-8

Wage Rates	SP-8
Pre-Bidding Inspection of Site	SP-8
Bid Rejection	SP-8
Retainage	SP-8
Remove and Replace Fences	SP-8
Barricades and Warning Signs	SP-8
Protection of Existing Structures	SP-9
Tree Removal	SP-9
Sub-Surface Conditions	SP-9
Layout of Work and Surveys	SP-9
Protection and Restoration of Property	SP-9
Supplemental Technical Specifications	SP-10
Traffic Control	SP-10
Contract and Bonds	
Construction Contract	1 - 5
Construction Bond	CB-1 - CB-3
Maintenance Bond	MB-1 - MB-3
Statutory Bond	SB-1 - SB-2
List of Documents Required for this Bid	LD-1
Proposal Documents	
Bid Form	BF-1 - BF-2
Detailed Bid Form	DBF-1
Contractor's Affidavits and Certificates	
Bid Bond	BB-1
Anticollusion Affidavit	A-1
Affidavit of Surety	AOS-1
Business Relationships Affidavit	BRA-1
Certificate of Non-Discrimination	CND-1
Affidavit of Non-Boycotting of Energy Companies	AONBEC-1

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 RIPPER PARK PICKLEBALL COURTS 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 within 60 calendar days. Liquidated damages shall begin after this date. Amount of liquid damages is stated in the General Provisions.

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 Water Pipeline Contractor "B" under the provisions of the City of Oklahoma City Ordinance No. 26,614.

OR

To demonstrate Bidder's qualifications to perform the Work, after submitting its Bid and within five (5) days of Owner's request, Bidder shall submit (a) written evidence establishing its qualifications such as financial data, previous experience, and present commitments, and (b) the following additional information:

Evidence of Bidder's authority to do business in the state where the Project is located. Bidder's state or other contractor license number, if applicable.

Subcontractor and Supplier qualification information; coordinate with provisions as defined in this document under, "Subcontractors, Suppliers, and Others."

A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.

No requirement these documents for required information to submit will prejudice the right of Owner to seek additional pertinent information regarding Bidder's qualifications.

A requirement is a Class D water license with the City of Oklahoma City to install the new meters and a plumbing license for connections to all piping on the back private side of the meter.

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

Ripper Park located at 7933 NW 30th Street, Bethany, Oklahoma 73008.

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.

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

See OWRB Information to Bidders.

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

Construction shall conform to the City of Oklahoma City Standard Specifications for Construction of Public Improvements unless otherwise noted on the construction plan drawings.

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:

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:

_____ 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:

**RIPPER PARK PICKLEBALL COURTS
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:

**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.

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:

**RIPPER PARK PICKLEBALL COURTS
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

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

TEIM Design, PLLC Project No. ET450-84

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. ET450-84**

Description: **RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

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 Plus Alternate No. 1:

(\$_____).

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.

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

DETAILED BID FORM

Item Number	Lot Name	Title	Quantity	Unit	Unit Price	Total Price
1	Base Bid	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION	1.00	lump sum		
2	Base Bid	SEDIMENT AND EROSION CONTROL	1.00	lump sum		
3	Base Bid	ASPHALT CRACK REPAIR	1,500.00	linear foot		
4	Base Bid	ASPHALT CONCRETE (PG 76-28 OK) SUPER PAVE TYPE S5 (3 INCHES) (ODOT SPEC 411)	785.00	square yard		
5	Base Bid	TACK COAT (ODOT SPEC 407)	76.00	gallons		
6	Base Bid	3-INCH ASPHALT EDGE RAIL	352.00	linear foot		
7	Base Bid	PLEXIPAVE SURFACE APPLICATION FOR APSHALT	785.00	square yard		
8	Base Bid	STRIPE (PAINT) (2 INCH WIDE) (WHITE)	800.00	linear foot		
9	Base Bid	INSTALL NET WITH POSTS AND FOOTINGS	4.00	each		
10	ALTERNATE	SIDEWALK (4FT)	100.00	square yard		
Total Bid Price (BASE BID PLUS ALTERNATE NO 1						

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA**

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

BID BOND

**RIPPER PARK PICKLEBALL COURTS
CITY OF BETHANY, OKLAHOMA
TEIM Design, PLLC Project No. ET450-84**

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;

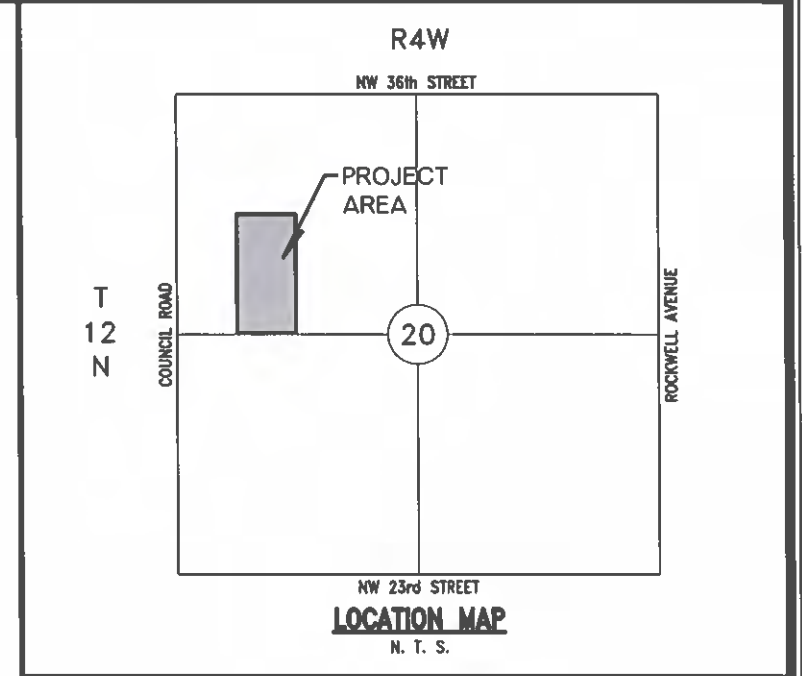


RIPPER PARK PICKLEBALL COURTS

PREPARED BY



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



The City of BETHANY, OKLAHOMA

NIKKI LLOYD, Mayor
ELIZABETH GRAY, City Manager

COUNCIL MEMBERS:

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

SHEET INDEX

SHEET NO.	DESCRIPTION
0001	TITLE SHEET
AC01	SUMMARY OF PAY QUANTITIES AND NOTES
AC02	LEGEND
C001	OVERALL SITE PLAN
C002	PROPOSED SITE PLAN
D001	MISCELLANEOUS DETAILS
D002	PLEXIPAVE SPECIFICATION
ER01	STORMWATER POLLUTION PREVENTION PLAN

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.

RWS

ROBERT DON WILLIAMS, P.E.
REGISTERED PROFESSIONAL ENGINEER
CA# 8428 EXPIRES JUNE 30, 2025

17893 03-27-2024
DATE



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

APPROVED BY:

RWS 03-27-2024
ROBERT DON WILLIAMS, P.E.
CITY ENGINEER DATE

Summary of Pay Quantities					
Item Number	Lot Name	Title	Pay Item Notes	Quantity	Unit
1	Base Bid	AUDIO-VIDEO RECORDING PRE- AND POST CONSTRUCTION		1.00	lump sum
2	Base Bid	SEDIMENT AND EROSION CONTROL		1.00	lump sum
3	Base Bid	ASPHALT CRACK REPAIR	1	1,500.00	linear foot
4	Base Bid	ASPHALT CONCRETE (PG 76-28 OK) SUPER PAVE TYPE S5 (3 INCHES) (ODOT SPEC 411)	2	785.00	square yard
5	Base Bid	TACK COAT (ODOT SPEC 407)		76.00	gallons
6	Base Bid	3-INCH ASPHALT EDGE RAIL	3	352.00	linear foot
7	Base Bid	PLEXIPAVE SURFACE APPLICATION FOR APSHALT		785.00	square yard
8	Base Bid	STRIPE (PAINT) (2 INCH WIDE) (WHITE)	4	800.00	linear foot
9	Base Bid	INSTALL NET WITH POSTS AND FOOTINGS	5	4.00	each
10	ALTERNATE 1	SIDEWALK (4FT)		100.00	square yard

PAY ITEM NOTES

- THIS IS AN ESTIMATED QUANTITY, TO BE PAID PLAN QUANTITY. THE ASPHALT CRACK SEAL MATERIAL SHALL BE CRAFCO POLYFLEX TYPE 2 - PART NO. 34518, RP FLEX 2 OR APPROVED EQUAL. CRACKS MUST BE CLEANED UTILIZING 90 PSI COMPRESSED AIR, BRUSHING OR VACUUM TECHNIQUES TO REMOVE DEBRIS. CRACKS OVER 1-INCH IN WIDTH WILL BE FILLED WITH THE S5 MATERIAL OVERLAY.
- ODOT 2019 STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION SECTION 411. NO R.A.P. SHALL BE USED. 98% DENSITY / 2% AIR VOIDS.
- INSTALL PER MANUFACTURER RECOMMENDATION.
- PAINT PER PLEXIPAVE MANUFACTURER RECOMMENDATION.
- THE NET CAN BE MADE OUT OF ANY MESH MATERIAL THAT WILL NOT ALLOW A BALL TO PASS THROUGH. IT SHOULD BE AT LEAST 21-FEET 9-INCHES LONG, STRETCHING FROM POST TO POST; FROM THE BOTTOM EDGE TO THE TOP, IT SHOULD BE AT LEAST 30-INCHES WIDE. THE POST SHOULD BE 22-FEET APART, AND NO MORE THAN 3-INCHES IN DIAMETER. ONCE THE NET IS SUSPENDED FROM THE POSTS ACROSS THE CENTER OF THE COURT, IT SHOULD BE 36-INCHES TALL AT THE SIDELINES, AND 34-INCHES TALL AT THE CENTER. THE TOP EDGE OF THE NET SHOULD HAVE A CORD OR CABLE AND IT SHOULD BE COVERED WITH A 2-INCH TAPE.

W:\ET\450-0\ET\450-84 - Ripper Park Pickle Ball Courts\Sheet-General.dwg, 3/27/2024 11:49:39 AM, jgibbs

				SCALE: AS SHOWN	CITY OF BETHANY		CIVIL			SHEET NO.
				DATE: MARCH 26TH 2024	RIPPER PARK PICKLE BALL COURTS		SUMMARY OF PAY QUANTITIES AND NOTES			AC01
				DRAWN BY: GIBBS						SHEET 2 OF 8
REV. NO.	DATE	DRWN	CHKD	REMARKS	CHECKED BY: R WILLIAMS					

LINETYPE LEGEND

BLOCK LEGEND

HATCH LEGEND

	EXISTING	PROPOSED
FILTER FABRIC SILT FENCE		
EROSION CALLOUTS		
CALLOUTS		
CONTOUR		
CONTOUR		
BUILDING LIMIT		
PERMANENT EASEMENT		
TEMPORARY EASEMENT		
EASEMENT CALLOUTS	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	
SANITARY SEWER-PLAN		
SANITARY SEWER STRUCTURES		
SANITARY SEWER HATCH		
SANITARY SEWER CALLOUTS	TEXT	
STEEL CASING		
STORM SEWER FLOWLINE		
STORM SEWER PIPE		
STORM SEWER STRUCTURES		
STORM SEWER HATCH		
STORM SEWER CALLOUTS	TEXT	
BENCHMARK CALLOUTS	TEXT	
GEOTECH BORE		
SURVEY CONTROL		
SURVEY CONTROL CALLOUTS	TEXT	
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		
CHAINLINK FENCE		
METAL FENCE		
PLASTIC FENCE		
WOOD FENCE		
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		
SIDEWALK		
CABLE LINE		
ELECTRIC LIGHTS		
OVERHEAD ELECTRIC		
POWER UNDERGROUND		
GAS LINE		
OIL PIPELINE		
TELEPHONE UNDERGROUND		
FIBER OPTIC		
UTILITY CALLOUTS	TEXT	
ABANDONED WATER LINE		
WATER APPURTENANCES		
FIRELINE		
WATER PIPE FITTINGS		
IRRIGATION LINE		
WATER PIPE-PLAN		
WATER PIPE-PROFILE		
WATER HATCH		
WATER SERVICE		
WATER LINE CALLOUTS	TEXT	
TABLE OUTLINE		
TABLE TEXT		TEXT

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

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

W:\ET\450-01ET\450-84 - Ripper Park Pickle Ball Courts\Sheet-General.dwg, 3/27/2024 11:49:49 AM, jgibbs

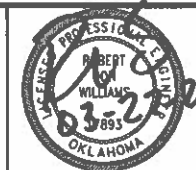
REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 26TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



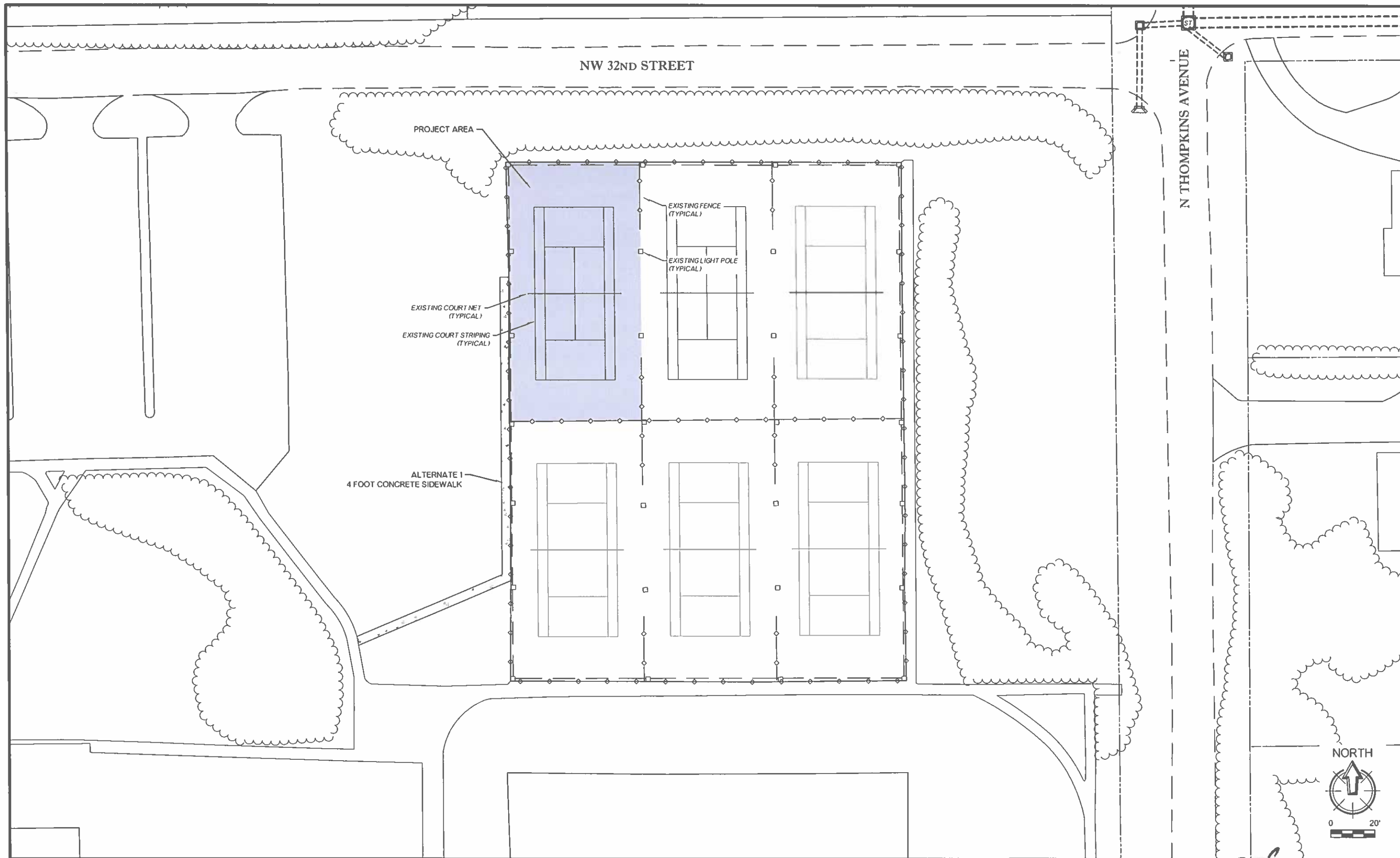
CITY OF BETHANY
RIPPER PARK PICKLE BALL COURTS

GENERAL
 LEGEND



SHEET NO.
AC02
 SHEET 3 OF 8

W:\ET450-01\ET450-04 - Ripper Park Pickle Ball Courts\Sheet-Existing Site Plan.dwg, 3/27/24 11:50:07 AM, jgibbs



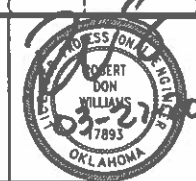
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 26TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



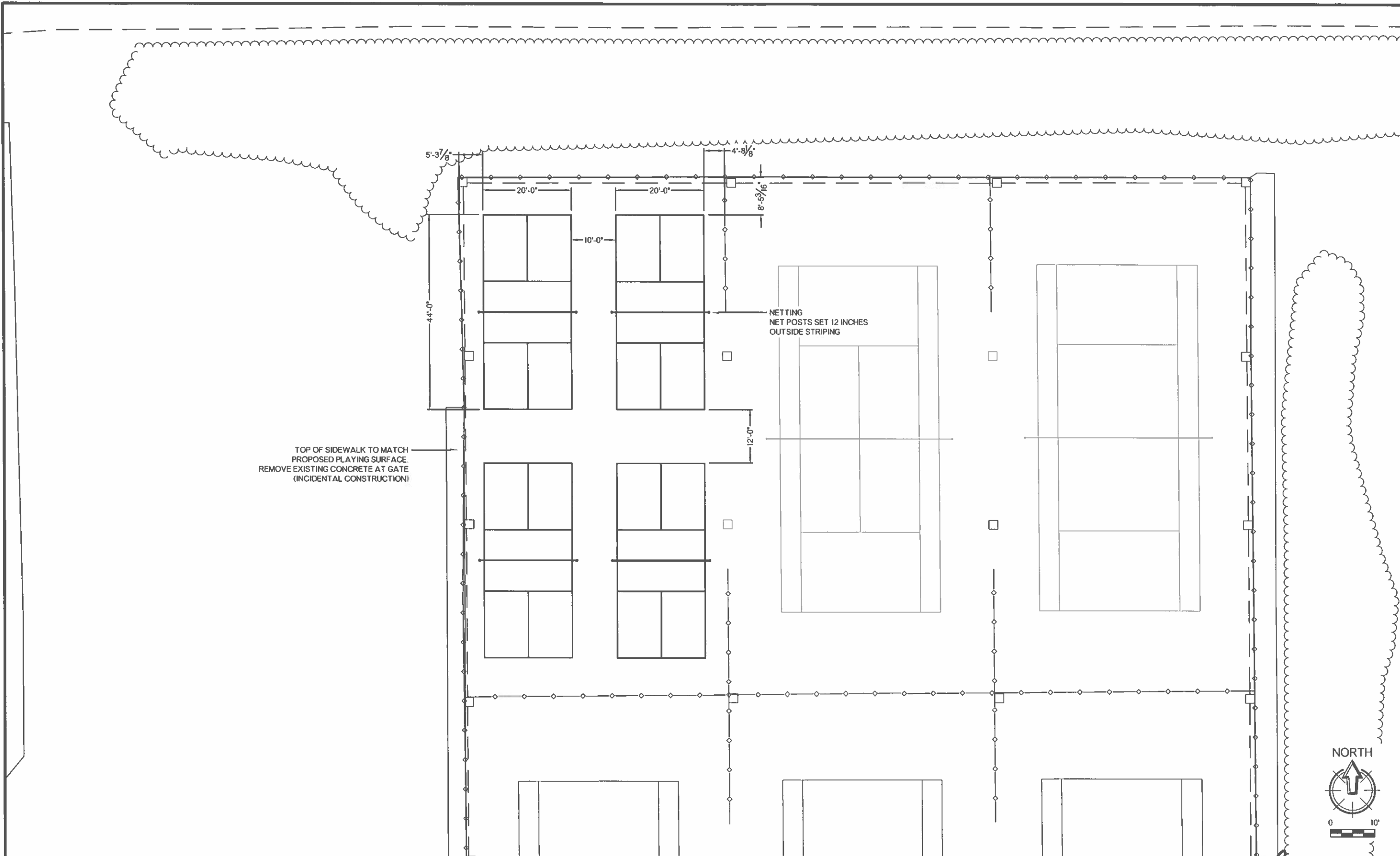
CITY OF BETHANY
 RIPPER PARK PICKLE BALL COURTS

CIVIL
 OVERALL SITE PLAN



SHEET NO. C001
 SHEET 4 OF 8

W:\ET\450-01\450-01 - Ripper Park Pickle Ball Courts\Sheet\Proposed Site Plan.dwg, 3/27/2024 11:50:24 AM, jgibbs



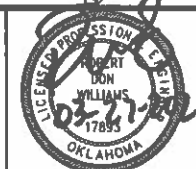
REV. NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 26TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



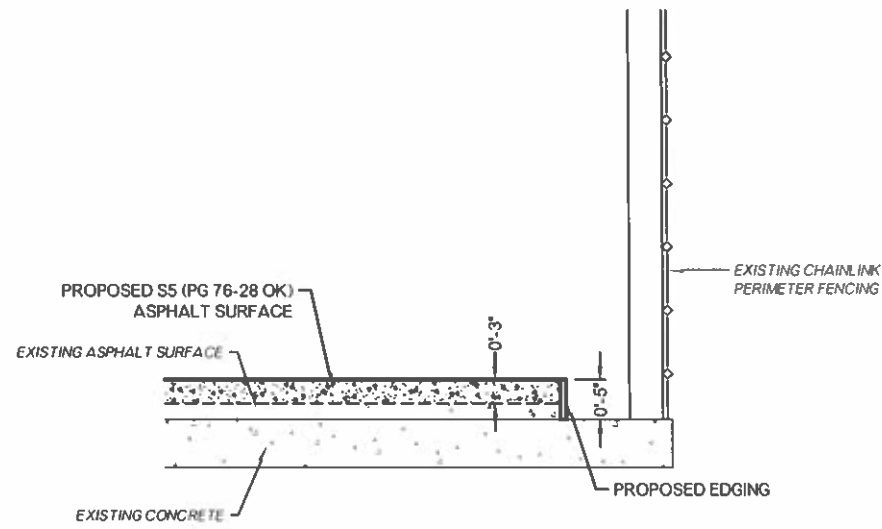
CITY OF BETHANY
 RIPPER PARK PICKLE BALL COURTS

CIVIL
 PROPOSED SITE PLAN

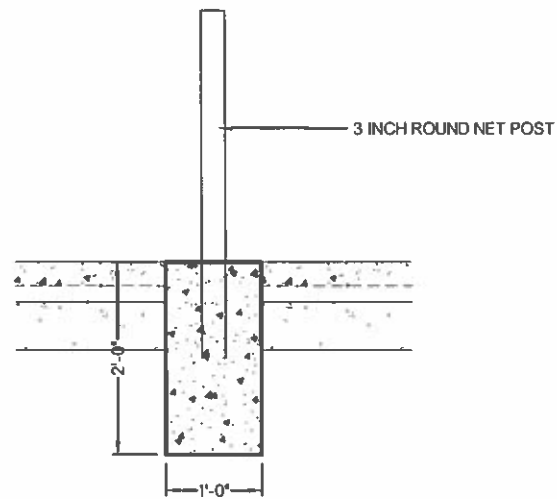


SHEET NO. C002
 SHEET 5 OF 8

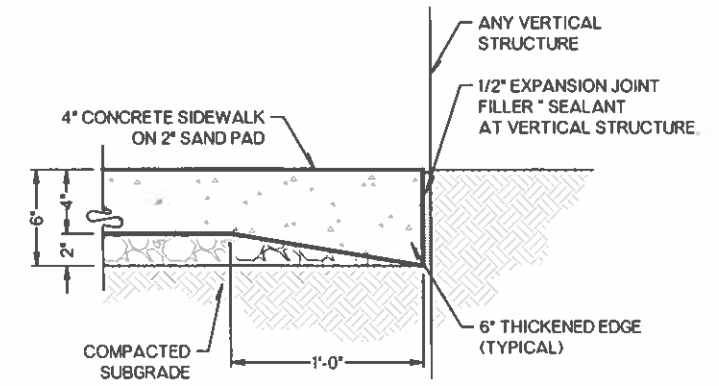
W:\ET\150-01ET\150-84 - Ripper Park Pickle Ball Courts\Sheet-Details.dwg, 3/27/2024 11:50:37 AM, gibbs



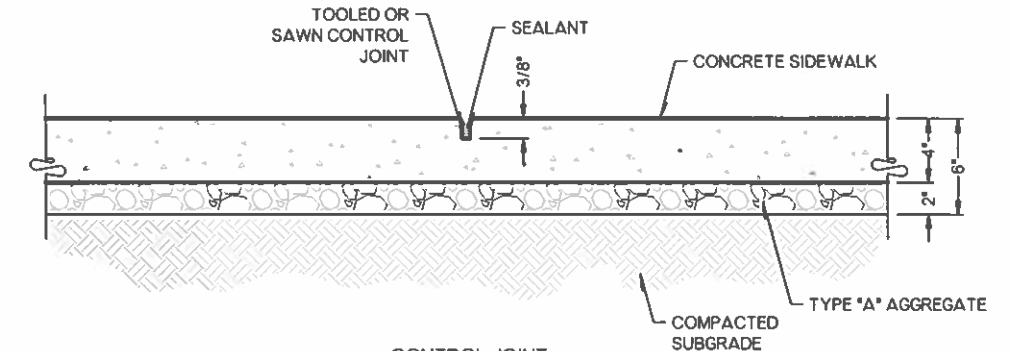
TYPICAL ASPHALT SECTION
N.T.S.



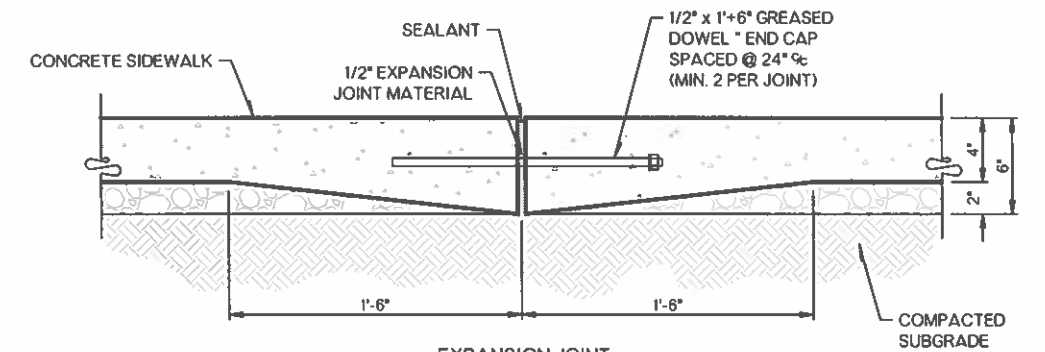
NET POST DETAIL
N.T.S.



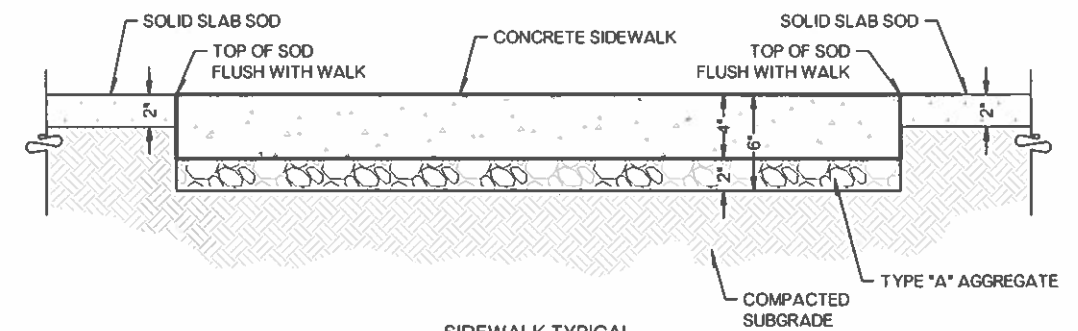
SIDEWALK EDGE
N.T.S.



CONTROL JOINT
N.T.S.



EXPANSION JOINT
N.T.S.



SIDEWALK TYPICAL
N.T.S.

SIDEWALK DETAILS
N.T.S.

REV NO.	DATE	DRWN	CHKD	REMARKS

SCALE: AS SHOWN
 DATE: MARCH 26TH 2024
 DRAWN BY: GIBBS
 CHECKED BY: R. WILLIAMS



CITY OF BETHANY
RIPPER PARK PICKLE BALL COURTS

CIVIL
 MISCELLANEOUS DETAILS



SHEET NO. **D001**
 SHEET 6 OF 8



A Division of California Products - An Employee Owned Company
 150 Descomb Road, Andover, Massachusetts 01810 USA
 Phone: 978-823-9980 / 800-225-1141 • Fax: 978-823-9980
 www.plexipave.com • info@plexipave.com

SECTION 10.18

**SITE IMPROVEMENTS
 ATHLETIC FACILITIES**

EXTERIOR/INTERIOR

ACRYLIC LATEX

COLOR SURFACE SYSTEM

**APPLICATION SPECIFICATIONS
 ASPHALT SURFACES**

1.0 DESCRIPTION

This specification covers the application of a new wearing surface texture for Plexipave Tennis Courts and new or existing asphalt concrete tennis courts that have a sound, well-drained base of adequate thickness and stability. Existing surfaces should be properly sloped for good drainage, and free from cracks. The process consists of the repair of any minor depressions, followed by application of the Plexipave System.

NOTE: The success of the all-weather characteristics of resurfacing is dependent on a sound base (with good drainage) and asphalt concrete meeting the requirements of The National Asphalt Paving Association and the U.S. Tennis Court and Track Builders Association. Surface variation should not exceed 1/8 inch in ten feet, when measured in any direction with a straightedge and a slope of 1 inch in 10 feet, all in one plane.

2.0 MATERIALS

- 2.1 Plexipave Court Patch Binder - shall comply with Specification 10.14 of California Products Corporation.
- 2.2 Plexipatch - shall comply with Specification 10.21 of California Products Corporation.
- 2.3 Acrylic Resurfacer - shall comply with Specification 10.8 of California Products Corporation.
- 2.4 Plexipave Color Base - shall conform to Specification 10.5 of California Products Corporation.
- 2.5 Plexichrome - shall conform to Specification 10.1 of California Products Corporation.
- 2.6 Plexicolor Line Paint - shall conform to Specification 10.4 of California Products Corporation.
- 2.7 Water - the water used in all mixtures shall be fresh and potable.

3.0 CONSTRUCTION

3.1 Surface Preparation - The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. Prior to the application of surfacing materials, the entire surface should be flooded, and checked for minor depressions or irregularities. Any puddled area covering a nickel shall be marked and repaired with Court Patch Binder using the following mix:

- 100 lbs. 60 - 80 mesh silica sand (dry)
- 3 gallons Plexipave Court Patch Binder
- 1 to 2 gallons Portland Cement (dry) (depending on humidity and temperature)

Tack coat consisting of 1 part Court Patch Binder and 2 parts water shall be applied to the patch areas and allowed to dry thoroughly prior to patching. For more information see CPC Specification 10.14 or 10.21.

After patching, the surface shall not vary more than 1/8 inch in ten feet measured in any direction.

4.0 SURFACE PREPARATION

In order to provide a smooth, dense underlayment for the Plexipave system, one application of California Acrylic Resurfacer shall be applied to the surface to obtain a coverage of 15 - 20 sq. yds. Per gallon (.07 - .05 gallons per square yard). No application shall be covered by a succeeding application until thoroughly cured. Dilution with water and sand is required utilizing the following mix:

- Acrylic Resurfacer 55 gallons
- Water (Clean and Potable) 20-40 gallons
- Sand (45-60 Mesh) 600 - 900 lbs.
- Liquid Yield 112 - 138 gallons

5.0 FORTIFIED PLEXIPAVE

5.1 Fortified Plexipave shall be applied by rubber bladed squeegee on the clean, dry surface in 3 applications to obtain a total quantity of not less than .15 nor more than .23 gallons per sq. yd. of area, based on the material prior to any dilution. No application shall be covered by a succeeding application until thoroughly cured.

Fortified Plexipave can be job mixed as follows:

- Plexipave Color Base 30 gallons
- Plexichrome 20 gallons
- Water 20 gallons

The diluted material shall be homogenous. Segregation before or during application will not be permitted.

The finished surface shall have a uniform appearance and be free from ridges and tool marks.

5.2 **PLAYING LINES** - Four hours minimum after completion of the color resurfacing, 2-inch wide playing lines shall be accurately located, marked, and painted with Plexicolor Line Paint as specified by U.S. Tennis Association.

6.0 LIMITATIONS

No part of the construction involving the Plexipave System shall be conducted during rainfall, or when rainfall is imminent. The air temperature must be at least 50°F and rising. Do not apply when surface temperature is above 140°F. The Plexipave System will not prevent surface or structural cracks from reoccurring.

W:\ET\450-01ET\450-84 - Ripper Park Pickle Ball Courts\Sheet-Details.dwg, 3/27/2024 11:50:44 AM, igbbs

				SCALE: AS SHOWN		CITY OF BETHANY	CIVIL		SHEET NO.		
				DATE: MARCH 26TH 2024					RIPPER PARK PICKLE BALL COURTS	PLEXIPAVE SPECIFICATION	D002
				DRAWN BY: GIBBS							SHEET 7 OF 8
REV. NO.	DATE	DRWN	CHKD	REMARKS	CHECKED BY: R. WILLIAMS						

EROSION AND SEDIMENT CONTROLS

SITE DESCRIPTION

PROJECT LIMITS: RIPPER PARK

PROJECT DESCRIPTION: CONSTRUCTION OF PICKLEBALL COURTS

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:
 INSTALL EROSION CONTROL DEVICES
 CONSTRUCT PROJECT
 REMOVE EROSION CONTROL DEVICES
 CLEAN PROJECT SITE

TOTAL AREA TO BE DISTURBED: 0.34 ACRES

WEIGHTED RUNOFF COEFFICIENT: 0.90

NAME OF RECEIVING WATERS: UNNAMED TRIBUTARY OF NORTH CANADIAN RIVER

SOIL STABILIZATION PRACTICES:

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

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

STRUCTURAL PRACTICES:

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

OFFSITE VEHICLE TRACKING:

- HAUL ROADS DAMPENED FOR DUST CONTROL
- LOADED HAUL TRUCKS TO BE COVERED WITH 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

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.

W:\ET\450-01\ET\450-84 - Ripper Park Pickle Ball Courts\Sheet-General.dwg, 3/27/2024 11:50:56 AM, jgibbs

SCALE	AS SHOWN			
DATE	MARCH 26TH 2024			
DRAWN BY	GIBBS			
CHECKED BY	R WILLIAMS			
REV NO.	DATE	DRWN	CHKD	REMARKS

TEIM DESIGN

CITY OF BETHANY
 RIPPER PARK PICKLE BALL COURTS

GENERAL
 STORMWATER POLLUTION PREVENTION PLAN



SHEET NO. ER01
 SHEET 8 OF 8

CITY OF BETHANY

From: Elizabeth Gray, City Manager
Date: March 28, 2024
Subject: Agreement with YMCA to manage municipal pool for 2024 Season

BACKGROUND

Under this agreement the YMCA will hire, train, schedule and provide adult supervision at the pool daily. They will assume all costs for staffing and provide concessions. They will also conduct daily water testing of the pool and weekly vacuuming. The YMCA is asking for financial reimbursement from the City to cover projected financial losses of up to \$15,000 from their payroll and concession purchase costs that are not covered by the gate admissions and concession sales. The YMCA will retain the admissions and concession incomes. The City will retain all other costs of operation. The YMCA anticipates opening the pool on May 25, 2024. Regular hours for open swimming will be Tuesday through Sunday from 1pm to 7 pm.

RECOMMENDATION

1. Staff recommends approval of the contractual agreement between the City of Bethany and the YMCA to provide staffing and management services for municipal pool operations.

ADDITIONAL COMMENTS

See attached contract for 2024. Funding for this contract comes from the General Fund.

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

CONTRACT PROPOSAL

CONTRACT BETWEEN THE CITY OF BETHANY AND THE YMCA OF GREATER OKLAHOMA CITY, BETHANY YMCA, FOR OPERATION OF THE MUNICIPAL SWIMMING POOL 2024 SEASON.

The YMCA will hire certified lifeguards and pool coordinator to properly manage the City of Bethany Ripper Park Aquatic Center pool for recreational swimming for the summer of 2024. All lifeguards are to be YMCA certified or equivalent. When the coordinator is not on site, a YMCA employee will be named to be in charge.

The City of Bethany Parks Department will have the pool operational by May 20, 2024, unless outstanding issues are present, to ensure adequate YMCA staff training time. Inclusive dates shall be from Saturday, May 25, 2024, through Sunday, August 11, 2024, for recreational swim purposes. The Bethany YMCA will have the pool closed on May 27th for Memorial Day and July 4th for Independence Day. The Pool will also be closed on all Mondays for the duration of the Summer 2024 season.

The pool shall be open to the public for open swimming from 1:00 pm to 7:00 pm. These hours will be subject to change, if necessary, for reasonable cause.

The YMCA will be allowed to use the pool during all hours of operation for swim lessons and/or other purposes. The pool shall be closed to the public after 10:00 p.m. Only YMCA employees will be allowed in the pool area after 10:00 p.m. for cleaning purposes.

A fee of no more than \$5.00 will be charged for each non-YMCA member who comes to the pool to swim. A hand stamp or similar procedure will be used to enable the person(s) to leave the pool and return in the same day without being charged again. This fee shall be subject to change by the YMCA as it deems necessary to raise additional revenue during the summer to meet expenses, subject to the concurrence of the City of Bethany.

The YMCA shall be granted exclusive use prior to the scheduled public recreation open swim times and following the 7:00 p.m. (subject to change as needed) closing time for aquatic programming, Tuesday through Sunday. Exception to this will be to allow the City of Bethany CPO Staff Member access to test and properly treat the pool from 7:00 a.m. to 9:00 a.m. and 11:45 a.m. to 1:00 p.m. During these times no one is allowed in the pool.

The YMCA will allow and schedule time for organizations, special groups, and special activities.

The YMCA may schedule groups in the pool for late evening classes or parties (prior to 10:00 p.m.). YMCA lifeguards must be on duty when these groups use the pool.

The YMCA may collect a reasonable pool rental fee from groups reserving the pool.

The City of Bethany will be responsible for:

- Reimbursing the YMCA to offset incurred expenses not covered by revenue by the end of September up to an amount not to exceed \$15,000.00.
- Chemicals, pool supplies (Ring buoys, back boards, rescue tubes and any other safety device required) and pool equipment needed to operate the pool during the 2024 summer season.
- Provide a City Employee with current CPO license
- Pool repairs and setting up weekly vacuuming
- Pool Water Maintenance
- Mowing
- Inspection of the pool at least once per week for compliance
- All toiletries and other normal cleaning supplies.

The YMCA will be responsible for:

- Cleaning - Pool must be vacuumed a minimum of once per week, with the City of Bethany staff assistance, or more as needed. Restrooms shall be cleaned daily before anyone is allowed to use the pool and checked every two hours while the pool is open for cleanliness and supplies. Deck area and gutters shall be cleaned daily. Toilet paper holders must stay stocked.
- Daily routine testing of CL2 and PH, and also check for the covers on the drains twice per day at 3:00 pm and 7:00 pm. Testing will be logged on the Ripper Park Pool County Health Report after each check.
- Closing of the pool if at any time the water does not meet Health Department standards or when weather dictates and will be willing to work with the City of Bethany with regards to weather closing.
- Notify the City of Bethany Park Department before running out of any supplies or chemicals including:
 - Chlorine, caustic soda, test kits etc. to test in a 5-day minimum.

The City of Bethany shall provide trash pickup weekly, all trash shall be bagged, and tops tied securely. The YMCA will provide litter pick-up in and around the pool area to assure a clean and neat facility.

The YMCA has insurance coverage under its policy for liability/medical coverage, in the event such protection becomes necessary during the YMCA's operation of the pool during the 2024 season. The YMCA shall provide the City of Bethany a Certificate of Insurance and the City shall be listed as an additional insured.

Due to the hazards related to pool chemicals, City of Bethany employees will add chemicals to the pool as needed due to their familiarity with the pool itself. The YMCA will comply with all safety requirements set forth by the City of Bethany, Oklahoma Departments of Labor and Health and OSHA including employee training required in the Federal Code of Regulations.

The YMCA will comply with Oklahoma Department of Health Regulations Chapter 315 "Public Bathing Place Facility Standards" and Chapter 320 "Public Bathing Place Regulations".

All pool rules will be created and enforced by the YMCA of Greater Oklahoma City and its staff.

All revenues generated from gate admission, swim lessons, pool parties, concessions and all other revenue producing practices will be retained by the YMCA to cover operational expenses including, but not limited to, staff wages, staff training, and supplies.

Should it become necessary for either the YMCA or the City of Bethany to terminate this agreement, a minimum of two weeks' notice shall be given in writing by either party.

Final contract approval between the City of Bethany and the YMCA shall be subject to approval by the City of Bethany and the YMCA of Greater Oklahoma City association office.

In witness thereof, the parties hereto have caused this agreement to be executed this _____ day of _____ 2024.

CITY OF BETHANY

YMCA of Greater Oklahoma City

Nikki Lloyd, Mayor

David Warde, Chief Financial Officer

ATTESTED:

Michael Vaughn, City Clerk

Notary

(SEAL)

My commission expires: _____

NOTICE: On Thursday, March 14, 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, MARCH 19, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Peter Plank	Trustee
MEMBERS ABSENT:	Brian Magirowsky	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Amanda McCellon	Community Dev. Director
	(See Roster)	

Mayor Lloyd called the Bethany City Council meeting to order at 6:57 P.M.

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

- A. APPROVAL OF MINUTES FROM MARCH 5, 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.**

A motion was made by Trustee Smart, seconded by Vice-Chairman Knapp to approve the Consent Docket. Yes Votes: Larsen, Palmer, Lloyd, Powell, Smart, Plank, McPhail, Knapp. No Votes: None. Motion approved.

ITEM NO. 2 on the agenda was **CONSIDERATION AND POSSIBLE APPROVAL OF CONSTRUCTION CONTRACT FOR ARPA WELL FIELD REHABILITATION AND IMPROVEMENTS PROJECT WITH DIVERSIFIED CONSTRUCTION AWARDING THE BASE BID, ALTERNATE 1 AND ALTERNATE 2 IN THE AMOUNT OF \$4,992,744.30; AND AMENDMENT NO. 1 IN THE BASE BID AND ALTERNATE 2 IN THE AMOUNT OF \$1,317,289.30 FOR A NEW CONTRACT AMOUNT OF \$3,675,455.00; AND AUTHORIZE THE MAYOR TO SIGN THE DOCUMENTS ON BEHALF OF THE CITY OF BETHANY. (ELIZABETH GRAY, CITY MANAGER)**

A motion was made by Trustee Larsen, seconded by Trustee Smart to approve a contract with Diversified Construction awarding the base Bid, Alternate 1 and Alternate 2 in the amount of \$4,992,744.30; and Amendment No. 1 in the base bid and Alternate 2 in the amount of \$1,317,289.30 for a new contract amount of \$3,675,455.00; and authorize the mayor to sign the documents on behalf of the City of Bethany. Yes Votes: Palmer, Lloyd, Larsen, Powell, Smart, Plank, McPhail, Knapp. 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 APRIL 2, 2024.**

Mayor Lloyd adjourned the Bethany Public Works meeting at 6:59 P.M. until April 2, 2024.

CHAIRMAN

SECRETARY

BETHANY PUBLIC WORKS AUTHORITY

From: Michael Vaughn, Finance Director
Date: March 28, 2024
Subject: Claims list for the 04/02/2024 Bethany Public Works Authority Meeting

BETHANY PUBLIC WORKS AUTHORITY

FUND	AMOUNT
Bethany Public Works Authority	\$ 82,238.98
TOTAL	\$ 82,238.98

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 92,938.97
Bethany Public Works Authority	\$ 82,238.98
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 175,177.95

RECOMMENDATION

1. Approve claims as presented.



FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 02.0 FINANCE						
24-48310	10-005702	TPS TECHNICAL PROGRAMMING	UTILITY BILLING SVC	3/2024	117366	1,120.98
DEPARTMENT TOTAL:						1,120.98
DEPARTMENT: 08.1 PUBLIC WORKS - ADMIN						
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANC	PROPERTY INSURANCE	3/2024	20240501	303.68
24-49976	10-3042	ACCURATE ENVIRONMENTAL	MARCH FOR VOC & BAC-T	3/2024	GC07062	736.00
DEPARTMENT TOTAL:						1,039.68
DEPARTMENT: 08.3 PUBLIC WORKS - SANIT						
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS, DUSTPAN, FLOORMA	3/2024	5859414	44.37
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	122.16
24-50132	10-005373	CARD SERVICES/P1	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	129.98
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	50.05
24-50010	10-006081	CH&W COMMERCIAL TIRE, LLC	4 SANITATION TRUCK TIRES	3/2024	3-GS61835	1,184.56
24-50011	10-006081	CH&W COMMERCIAL TIRE, LLC	60 RE-CAPS&DIS&REMOUNTS	3/2024	3-GS61663	2,542.50
24-49903	10-0812	J & R EQUIPMENT LLC	DX & POSSIBLE REPAIR #99	3/2024	01W5507	14,375.41
24-50122	10-1085	OKLAHOMA MUNICIPAL ASSURANC	NEW SANITATION INS.	3/2024	20240427	1,373.00
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANC	PROPERTY INSURANCE	3/2024	20240501	552.15
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	6,314.80
DEPARTMENT TOTAL:						26,688.98
DEPARTMENT: 08.4 PUBLIC WORKS - MAINT						
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS, DUSTPAN, FLOORMA	3/2024	5859414	22.19
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	61.08
24-50132	10-005373	CARD SERVICES/P1	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	64.99
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	24.99
24-50145	10-005624	RAY ALBRIGHT STEEL PRODUCTS	STEEL FOR WASHBARN	3/2024	24-1627	146.11
24-50153	10-005992	AEG PETROLEUM	55DRUM50/50 ANTIFREEZE	3/2024	856128	162.52
24-50154	10-005992	AEG PETROLEUM	WWF FOR UNITS	3/2024	856129	43.10
24-50162	10-0225	GENUINE PARTS	WHEEL BALANCES FOR UNITS	3/2024	7092-056761	36.89
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	414.74
24-50085	10-1771	ADVENTURE OUT	WORKZONELIGHTSUNIT#50	3/2024	555494	1,110.50
24-50002	10-2305	HOIDALE CO INC	ANNUAL COMPLIANCE	3/2024	INV5011	102.50
DEPARTMENT TOTAL:						2,189.61

FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 12.0		UTILITY - WATER PLANT				
24-50129	10-004725	RUCKER ELECTRIC INCORPORATE	CLARIFER VFD	3/2024	13309	155.00
24-50089	10-005373	CARD SERVICES/P1	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	99.99
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS,DUSTPAN,FLOORMA	3/2024	5859414	44.37
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	122.16
24-50132	10-005373	CARD SERVICES/P1	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	129.98
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	49.99
24-49921	10-0091	BRENNTAG SOUTHWEST INC	4200 GALS OF BLEACH	3/2024	BSW34919	8,031.44
24-50072	10-0091	BRENNTAG SOUTHWEST INC	2TOTESOFAQUAAMMONIA	3/2024	BSW533030	1,747.35
24-50073	10-0091	BRENNTAG SOUTHWEST INC	2TOTESOFALUMINUMSULFATE	3/2024	BSW533029	2,702.50
24-50074	10-0091	BRENNTAG SOUTHWEST INC	4BBL55GALSORTHYPOLYPHOSPH	3/2024	BSW533031	1,812.79
24-50134	10-0948	MIDCO LABORATORY	VERSENATE & SULP ACID	3/2024	20240321	252.00
24-49669	10-1063	OG&E	MNTHLY BILLS	3/2024	20240312	3,458.44
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	426.93
24-50105	10-1622	WESTLAKE ACE HARDWARE	TIESDOWNS,WASPSPRAY,TARP	3/2024	3504041	163.08
24-50101	10-2660	ODEQ WATER QUALITY DIV	TEMP WATER LICNESE	3/2024	TOC 4508340	62.00
24-49976	10-3042	ACCURATE ENVIRONMENTAL	MARCH FOR VOC & BAC-T	3/2024	GC07057	300.00
24-50028	10-3919	MISSISSIPPI LIME	25 TONS OF LIME	3/2024	1718435	9,237.78
24-49848	10-3924	ODEQ	STANDARD PLATE COUNT	3/2024	24031470132	388.90
DEPARTMENT TOTAL:						29,184.70
DEPARTMENT: 12.1		UTILITY - WATER LINE				
24-50111	10-004996	GOODYEAR COMMERCIAL TIRE & 6 TIRES UNIT #61 & #44		3/2024	255-1029275	200.00
24-50089	10-005373	CARD SERVICES/P1	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	199.98
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS,DUSTPAN,FLOORMA	3/2024	5859414	22.18
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	61.08
24-50132	10-005373	CARD SERVICES/P1	6UNITSX6 FOLDINGCHAIRS	3/2024	2317043	129.98
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	24.99
24-50070	10-1066	OKLAHOMA CONTRACTOR'S SUPPL	FIRE HYDRANT	3/2024	0378877-IN	2,500.00
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURAN	CPROPERTY INSURANCE	3/2024	20240501	4,389.59
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	545.44
24-50084	10-1509	TOM'S SPEEDY LOCK & KEY	SERCHANGE CODE TO UTILITIES	3/2024	69882	61.25
24-49930	10-2557	CORE & MAIN LP	20 SMART METERS	3/2024	U451356	7,500.00
24-49948	10-2557	CORE & MAIN LP	CLAMPS AND PVC	3/2024	U463366	248.06
24-49973	10-2557	CORE & MAIN LP	TWO INCH METER	3/2024	U112700	1,165.00
24-49577	10-4090	AT&T MOBILITY	ON CALL & METER READERS	3/2024	03192024	220.52
DEPARTMENT TOTAL:						17,268.07

FUND: 056- BETHANY PUBLIC WORKS AUTH

SUMMARY REPORT

P.O.#	VENDOR #	NAME	SUMMARY DESCRIPTION	DATE	INVOICE	AMOUNT
DEPARTMENT: 12.2		UTILITY - SEWER				
24-50089	10-005373	CARD SERVICES/P1	RUBBERSTEELBOOTS&KEYBOARD	3/2024	0966601	89.99
24-50119	10-005373	CARD SERVICES/P1	TRASHCANS, DUSTPAN, FLOORMA	3/2024	5859414	22.19
24-50121	10-005373	CARD SERVICES/P1	24 BAGS ABSORBENT	3/2024	3199459	61.08
24-50133	10-005373	CARD SERVICES/P1	CHAIR AND TABLE HOLDER	3/2024	9358648	24.99
24-49797	10-1063	OG&E	SEWER MNTHLY	3/2024	20240312	479.31
24-50168	10-1085	OKLAHOMA MUNICIPAL ASSURANCP	PROPERTY INSURANCE	3/2024	20240501	3,837.44
24-50078	10-1261	RED ROCK PETRO	3500DIESEL&4500UNLEADED	3/2024	1506268	118.50
24-50084	10-1509	TOM'S SPEEDY LOCK & KEY	SERCHANGE CODE TO UTILITIES	3/2024	69882	61.25
24-49577	10-4090	AT&T MOBILITY	ON CALL & METER READERS	3/2024	03192024	52.21
DEPARTMENT TOTAL:						4,746.96
FUND TOTAL:						82,238.98
GRAND TOTAL:						175,177.95

BETHANY PUBLIC WORKS AUTHORITY

From: Elizabeth A. Gray, City Manager
 Date: March 28, 2024
 Subject: Consideration and possible approval of Resolution No. 1694 of the Bethany Public Works Authority (the “Authority”) authorizing a loan or loans from the Oklahoma Water Resources Board in the total aggregate principal amount of not to exceed \$18,500,000; approving the issuance of promissory notes in the total aggregate principal amount of not to exceed \$18,500,000, secured by a pledge of revenues and authorizing its execution; designating a local trustee; approving and authorizing the execution of a trust agreement; approving and authorizing the execution of loan agreements; approving and authorizing the execution of security agreements; ratifying and confirming a lease agreement by and between the City of Bethany, Oklahoma and the Authority; ratifying and confirming a sales tax agreement by and between the City of Bethany, Oklahoma and the Authority pertaining to a year-to-year pledge of certain sales tax revenue; approving various covenants; approving and authorizing applications to the Oklahoma Water Resources Board; approving and authorizing Professional Services Agreements; and containing other provisions relating thereto.

BACKGROUND

The City of Bethany and Bethany Public Works Authority recently passed a rate increase in order to cover existing costs and other much needed water and sewer infrastructure. They also recently passed a capital improvement plan to prioritize much needed water and sewer infrastructure projects.

The next step is for both entities to begin funding the projects. Resolutions 1693 and 1694 (attached) will fund the first \$18.5M of prioritized projects through loans with the Oklahoma Water Resources Board.

Staff recommends approval.

RECOMMENDATION

1. Approve Resolution No. 1694 as presented.

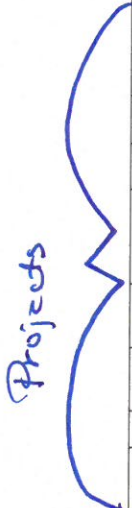


ADDITIONAL COMMENTS

See projects and resolution attachments.

H. SANITARY SEWER PROJECTS

Wastewater system improvements have been identified and are shown in Figure 3. The highest priority and most costly is the BWA PWA Bluff Creek Wastewater Treatment Plant. The remaining projects are sewer main rehabilitation projects and a lift station identified in conjunction with city staff as high maintenance areas. Funding for these projects could include local funds, Oklahoma Water Resources Board (OWRB) loans and Community Development Block Grants (CDBG), if eligible.



PRIORITY	PROJECT NAME	PROJECT LIMITS	ESTIMATED COSTS
1	BWA PWA	BLUFF CREEK WASTEWATER TREATMENT PLANT	\$20,000,000
2	LIFT STATION	NW 25 TH AND SHANNON LIFT STATION GRANT APPLICATION	\$ 750,000
3	PRIORITY AREA 1A	N. PENIEL FROM NW 32 ND TO NW 36 TH	\$ 815,063
4	PRIORITY AREA 1B	N. PENIEL FROM NW 36 TH TO NW 40 TH	\$ 1,218,830
5	PRIORITY AREA 1C	N PENIEL FROM NW 40 TH TO NW 50 TH	\$ 1,541,253
6	PRIORITY AREA 1D	N PENIEL FROM NW 50 TH TO CITY LIMITS	\$ 1,465,215
7	PRIORITY AREA 2A	BEAVER FROM SOUTH OF NW 39 TH STREET TO NW 41 ST AND FROM BEAVER TO ROCKWELL	\$ 900,209
8	PRIORITY AREA 2B	SOUTH OF NW 41 ST FROM BEAVER TO MUELLER, AND NORTH FROM MUELLER TO NW 41 ST	\$ 508,427
9	PRIORITY AREA 2C	BETWEEN NW 41 ST AND NW 42 ND FROM BEAVER TO MUELLER AND A PORTION OF NW 42 ND	\$ 496,214
10	PRIORITY AREA 3A	NW 35 TH BETWEEN HOLLOWAY AND MUELLER	\$ 934,571
11	PRIORITY AREA 3B	ROCKWELL AND NW 32 ND AND NW 33 RD FROM COLLEGE TO PENIEL	\$ 538,097
12	PRIORITY AREA 3C	NW 35 TH BETWEEN MUELLER AND COLLEGE	\$ 643,045
13	PRIORITY AREA 3D	AREA BETWEEN COLLEGE AND MUELLER; BETWEEN NW 34 TH AND NW 32 ND	\$ 500,000
14	PRIORITY AREA 3E	AREA BETWEEN HOLLOWAY AND MUELLER; AND BETWEEN NW 34 TH AND NW 32 ND	\$ 500,000
15	PRIORITY AREA 4A	HAMMOND FROM NW 31 ST TO NW 32 ND	\$ 345,000
16	PRIORITY AREA 4B	HAMMOND FROM NW 30 TH TO NW 31 ST	\$ 465,000
17	PRIORITY AREA 4C	NW 31 ST TERR. FROM PENIEL TO HAMMOND	\$ 470,000
18	PRIORITY AREA 4D	NW 31 ST ST FROM WHEELER CIRCLE TO NW 31 ST TERR.	\$ 465,000
19	PRIORITY AREA 4E	NW 50 TH FROM PENIEL TO HAMMOND	\$ 430,000
20	PRIORITY AREA 5A	NW 52 ND BETWEEN MUELLER & CENTRAL	\$ 305,000
21	PRIORITY AREA 5B	NW 53 RD BETWEEN BEAVER & CENTRAL	\$ 340,000
22	PRIORITY AREA 5C	NW 53 RD BETWEEN ROCKWELL & MUELLER	\$ 590,000
	PRIORITY AREA 5D	ROCKWELL FROM NW 50 TH TO NW 54 TH	
23	PRIORITY AREA 5E	NW 50 TH FROM ROCKWELL TO MUELLER & N BETWEEN N BEAVER & WILLOW	\$ 370,000
			\$ 34,590,924

Figure 3 – Sanitary Sewer Projects

WATER SYSTEM IMPROVEMENTS

PRIORITY		PROJECT LOCATION	ESTIMATED COSTS
1		WTP SUMP PUMP	\$30,000.00
2		USBR WATER METER GRANT MATCH	\$500,000.00
3		BOOSTER PUMP STATION	\$2,500,000.00
4		WTP SCADA & COMPUTERS	\$135,000.00
5		BPS 2 MILLION GALLON TANK	\$1,050,000.00
6		WTP 2 MILLION GALLON TANK	\$750,000.00
7		USBR WATER METER GRANT MATCH	\$1,500,000.00
8		ELEVATED 500,000 GALLON TANK	\$875,000.00
9		ELEVATED 1,000,000 GALLON TANK	\$875,000.00
10		AUTOMATED METER INFRASTRUCTURE	\$1,000,000.00
WATER SYSTEM IMPROVEMENTS TOTAL			\$9,215,000.00

THE BOARD OF TRUSTEES OF THE BETHANY PUBLIC WORKS AUTHORITY MET IN A REGULAR MEETING AT CITY HALL, IN BETHANY, OKLAHOMA, ON THE 2ND DAY OF APRIL, 2024, AT 6:30 P.M.

PRESENT:

ABSENT:

Thereupon, the Chairman introduced a Resolution which was read by the Secretary. _____ moved that the Resolution be adopted and Trustee _____ seconded the motion. The motion carrying with it the adoption of the Resolution prevailed by the following vote:

AYE:

NAY:

The Resolution as adopted is as follows:

RESOLUTION NO. 1694

A RESOLUTION OF THE BETHANY PUBLIC WORKS AUTHORITY (THE "AUTHORITY") AUTHORIZING A LOAN OR LOANS FROM THE OKLAHOMA WATER RESOURCES BOARD IN THE TOTAL AGGREGATE PRINCIPAL AMOUNT OF NOT TO EXCEED \$18,500,000; APPROVING THE ISSUANCE OF PROMISSORY NOTES IN THE TOTAL AGGREGATE PRINCIPAL AMOUNT OF NOT TO EXCEED \$18,500,000, SECURED BY A PLEDGE OF REVENUES AND AUTHORIZING ITS EXECUTION; DESIGNATING A LOCAL TRUSTEE; APPROVING AND AUTHORIZING THE EXECUTION OF A TRUST AGREEMENT; APPROVING AND AUTHORIZING THE EXECUTION OF LOAN AGREEMENTS; APPROVING AND AUTHORIZING THE EXECUTION OF SECURITY AGREEMENTS; RATIFYING AND CONFIRMING A LEASE AGREEMENT BY AND BETWEEN THE CITY OF BETHANY, OKLAHOMA AND THE AUTHORITY; RATIFYING AND CONFIRMING A SALES TAX AGREEMENT BY AND BETWEEN THE CITY OF BETHANY, OKLAHOMA AND THE AUTHORITY PERTAINING TO A YEAR-TO-YEAR PLEDGE OF CERTAIN SALES TAX REVENUE; APPROVING VARIOUS COVENANTS; APPROVING AND AUTHORIZING APPLICATIONS TO THE OKLAHOMA WATER RESOURCES BOARD; APPROVING AND AUTHORIZING PROFESSIONAL SERVICES AGREEMENTS; AND CONTAINING OTHER PROVISIONS RELATING THERETO.

WHEREAS, The Bethany Public Works Authority, Oklahoma County, Oklahoma (the “Authority”), was organized under Title 60, Oklahoma Statutes 2023, Sections 176-180.3, inclusive, as amended and supplemented, for the purpose of furthering the public functions of the City of Bethany, Oklahoma (the “City”); and

WHEREAS, the Authority is authorized and has determined to finance certain water, sanitary sewer and stormwater system improvements, along with related costs (collectively, the “Project”) in order to better serve the customers of said Authority and in payment of part of the cost thereof, to seek money in the form of a loan or loans from the Oklahoma Water Resources Board (the “Board”) in the aggregate principal amount of not to exceed \$18,500,000; and

WHEREAS, the Authority has heretofore issued its (i) Series 2008 Clean Water SRF Promissory Note to Oklahoma Water Resources Board dated April 10, 2008, issued in the original principal amount of \$5,140,000; and (ii) Sales Tax and Utility System Revenue Note, Series 2013 dated July 16, 2013, issued in the original principal amount of \$9,665,000; (collectively, the “Existing Indebtedness”); and

WHEREAS, the Authority has determined to borrow money from the Board for the purpose of financing the Project and to evidence such loan or loans by the issuance of the Authority’s Series 2024 Promissory Note or Notes to Oklahoma Water Resources Board to be funded by the Board’s Financial Assistance Program and/or the Board’s Clean Water State Revolving Fund in the original principal amount of not to exceed \$18,500,000 (collectively, the “2024 Notes”), said 2024 Notes being secured by a lien on the revenues derived from the water system of the Authority (the “System”) and a year-to-year pledge of the proceeds of an aggregate total of three percent (3.0%) sales tax (the “Sales Tax Revenue”); provided, said pledge and lien shall be on a parity in all respects with the Authority’s Existing Indebtedness; and

WHEREAS, it is the desire of the Authority to authorize the execution and delivery of any and all documents necessary or attendant to the issuance of the 2024 Notes;

NOW, THEREFORE, BE IT RESOLVED BY THE TRUSTEES OF THE BETHANY PUBLIC WORKS AUTHORITY, OKLAHOMA COUNTY, OKLAHOMA:

Section 1. Issuance of Notes. The Authority is hereby authorized to accept said loan or loans and issue its 2024 Notes payable to the Board and secured by a pledge of revenue derived from the operation of the System and a year to year pledge of the Sales Tax Revenue and the officers of the Authority are hereby authorized and directed to execute said 2024 Notes and to do any and all lawful things to effect said loan and secure said loan from the Board. The aggregate principal amount of the 2024 Notes shall not exceed \$18,500,000, the Net Interest Cost on the 2024 Notes shall not exceed 4.00% per annum with respect to the 2024 Notes funded through the Board’s Clean Water State Revolving Fund and 5.00% with respect to the 2024 Notes funded through the Board’s Financial Assistance Program, and the maturity date shall be not later than April 1, 2054. The Chairman or Vice Chairman shall be authorized to execute a Certificate(s) of Determination establishing the principal amount, maturity, and rate of interest on the 2024 Notes. It is contemplated that interest on the 2024 Notes will be excludable from gross income for federal income tax purposes.

Section 2. Designation of Local Trustee. The Authority hereby designates BancFirst, to serve as the Local Trustee of certain funds in relation to the 2024 Notes funded through the Board's Financial Assistance Program.

Section 3. Execution of Trust Agreement. The Trust Agreement by and between the Authority and the Local Trustee, as it relates to indebtedness funded through the Board's Financial Assistance Program, is hereby approved and the Chairman or Vice Chairman and Secretary or Assistant Secretary are hereby authorized to execute same for and on behalf of the Authority, and to do all other lawful things to carry out the terms and conditions of said Trust Agreement.

Section 4. Execution of Loan Agreements. The Loan Agreements by and between the Authority and the Board (the "Loan Agreements") are hereby approved and the Chairman or Vice Chairman and Secretary or Assistant Secretary are hereby authorized to execute same for and on behalf of the Authority, and to do all other lawful things to carry out the terms and conditions of said Loan Agreements.

Section 5. Execution of Security Agreements. The Security Agreements by the Authority in favor of the Board (the "Security Agreements"), whereby the Authority offers a lien on the revenues of the System and the Sales Tax Revenue to the Board to secure payment of the 2024 Notes is hereby approved and the Chairman or Vice Chairman and Secretary or Assistant Secretary are hereby authorized to execute same for and on behalf of the Authority, and do all other lawful things to carry out the terms and conditions of said Security Agreements.

Section 6. Lease Agreement. The Lease Agreement dated as of March 17, 1959, as amended by a Supplement to Lease dated as of May 20, 2003, all by and between the City and the Authority (collectively, the "Lease Agreement"), whereby the City leases unto the Authority its water and sanitary sewer systems, is hereby ratified and confirmed and the term of said Lease Agreement shall extend until the 2024 Notes are paid.

Section 7. Sales Tax Agreement. The Sales Tax Agreement dated as of April 1, 2008, by and between the City and the Authority (the "Sales Tax Agreement"), which Sales Tax Agreement pertains to the year-to-year pledge of certain sales tax revenues as security for the 2024 Notes, is hereby ratified and confirmed.

Section 8. Covenants of Authority. Until payment in full of the 2024 Notes and performance of all obligations owing to the Board under the Loan Agreements and the instruments executed pursuant hereto, unless the Board shall otherwise consent in writing, the Authority hereby represents its intent to abide by and carry out the covenants contained in Security Agreements and the Loan Agreements, which covenants are incorporated herein in their entirety.

Section 9. Application. The Authority shall file an Application(s) with the Oklahoma Water Resources Board seeking financial assistance through the Board's Financial Assistance Program and/or the Board's Clean Water State Revolving Fund; and the Chairman or Vice Chairman and Secretary or Assistant Secretary of the Authority are hereby authorized to execute said Application(s) for and on behalf of the Authority. The Authority is further authorized to advance to the Oklahoma Water Resources Board the necessary application fees in connection with the referenced Application(s).

Section 10. Professional Services Agreements. The Authority is authorized to enter into a legal services agreement with Johanning & Byrom, PLLC, as the Authority's Bond Counsel and a professional services agreement with Municipal Finance Services, Inc., as the Authority's Financial Advisor, both in the form as presented herewith.

Section 11. Necessary Action. The Chairman or Vice Chairman and Secretary or Assistant Secretary of the Authority are hereby further authorized on behalf of the Authority to approve the disbursement of the proceeds of the 2024 Notes and other funds of the Authority in connection with the issuance of the 2024 Notes and the accomplishment of the transaction contemplated herein, and further, to accept, receive, execute, attest, seal and deliver the above mentioned documents and all additional documentation, certifications and instruments and to take such further actions as may be required in connection with the transaction contemplated hereby, and are further authorized to approve and make any changes to the documents approved by this Resolution, for and on behalf of the Authority, the execution and delivery of such documents being conclusive as to the approval of any terms contained therein.

[Remainder of Page Intentionally Left Blank]

APPROVED AND ADOPTED THIS _____ DAY OF APRIL, 2024.

THE BETHANY PUBLIC WORKS
AUTHORITY

Chairman

ATTEST: (SEAL)

Secretary

STATE OF OKLAHOMA)
) SS
COUNTY OF OKLAHOMA)

I, the undersigned, Secretary of The Bethany Public Works Authority, Oklahoma County, Oklahoma, an Oklahoma public trust, do hereby certify that the above and foregoing is a true, full and correct copy of an excerpt from the minutes of a meeting of the Board of Trustees of said public trust held on the date above stated, all as recorded in the official minutes of such meeting. I further certify that the “Open Meeting Law” was complied with for such meeting.

GIVEN UNDER MY HAND THIS _____ DAY OF APRIL, 2024.

(SEAL)

Secretary

LEGAL SERVICES AGREEMENT

THIS AGREEMENT, made this 2nd day of April, 2024, between The Bethany Public Works Authority, a public trust, hereinafter called AAuthority@ and Johanning & Byrom, PLLC, Oklahoma City, Oklahoma, hereinafter called AJohanning & Byrom@; WITNESSETH:

IT IS AGREED that the aforesaid Johanning & Byrom shall perform all the customary legal services as Financial Legal Counsel for the Authority necessary to the issuance of indebtedness incurred to provide improvements to the Authority's water, sanitary sewer and stormwater systems, such services to include, but not to be restricted to, the preparation of all legal documents, instruments and contracts requisite to the incurring of indebtedness by the Authority which may be issued in one or more series and to provide legal counsel to the Trustees of the Authority in all matters relating to the foregoing. The relationship established by this Agreement shall be solely and only attorney and client. The services rendered by Johanning & Byrom under this Agreement shall not include advice concerning investments by the Authority. The compensation of Johanning & Byrom for all of the foregoing services hereby is fixed at an amount equal to one percent (1%) of the principal amount of such indebtedness with a minimum compensation of \$20,000.00 per separate issuance of indebtedness and such compensation shall be paid only out of the money received from the issuance of such indebtedness. Johanning & Byrom shall also be paid a fixed amount of \$2,500.00 per issuance of indebtedness for reimbursement of expenses incurred in the performance of the duties provided in this Agreement and such reimbursement shall be paid only out of the money received from the issuance of such indebtedness.

THE BETHANY PUBLIC WORKS
AUTHORITY

By _____
Chairman of Trustees

ATTEST: (Seal)

Secretary of Trustees

JOHANNING & BYROM, PLLC

By _____
Chris Byrom

NOTICE: On Thursday, March 14, 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 HOSPITAL TRUST MEETING

BETHANY CITY HALL

TUESDAY, MARCH 19, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Peter Plank	Trustee
MEMBERS ABSENT:	Brian Magirowsky	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Amanda McCellon	Community Dev. Director
	(See Roster)	

Chairman Lloyd called the Bethany Hospital Trust meeting to order at 6:59 P.M.

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

- A. APPROVAL OF MINUTES FROM MARCH 5, 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.**

A motion was made by Vice Chairman Knapp, seconded by Trustee Plank to approve the Consent Docket. Yes Votes: Larsen, Palmer, Powell, Smart, Plank, McPhail, Lloyd, Knapp. No Votes: None. Motion passed.

ITEM NO. 2 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS "MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA")**.

None

ITEM NO. 3 on the agenda was **ADJOURN UNTIL APRIL 2, 2024**

Mayor Lloyd adjourned the Bethany Hospital Trust meeting at 6:59 P.M. April 2, 2024.

CHAIRMAN

SECRETARY

BETHANY HOSPITAL TRUST

From: Michael Vaughn, Finance Director
Date: March 28, 2024
Subject: Claims list for the 04/02/2024 Bethany Hospital Trust Meeting

BETHANY HOSPITAL TRUST

FUND	AMOUNT
Bethany Hospital Trust	\$ -
TOTAL	\$ -

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 92,938.97
Bethany Public Works Authority	\$ 82,238.98
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 175,177.95

RECOMMENDATION

1. Approve claims as presented.



NOTICE: On Thursday, March 14 before 4:59 p.m., agenda was posted at the front doors of City Hall, on the bulletin board in the lobby of City Hall, and on the City of Bethany website: cityofbethany.org. The City of Bethany encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged to make the necessary accommodations. The City may waive the 48-hour rule if signing is not the necessary accommodation.

BETHANY DEVELOPMENT AUTHORITY

BETHANY CITY HALL

TUESDAY, MARCH 19, 2024

6:30 P.M.

MEMBERS PRESENT:	Nikki Lloyd	Chairman
	Jeff Knapp	Vice-Chairman
	Steve Palmer	Trustee
	Chris Powell	Trustee
	Marilyn McPhail	Trustee
	Kathy Larsen	Trustee
	Ken Smart	Trustee
	Peter Plank	Trustee
MEMBERS ABSENT:	Brian Magirowsky	Trustee
OTHERS PRESENT:	Elizabeth Gray	City Manager
	Ray Jones	City Attorney
	Michael Vaughn	City Clerk/Treasurer
	Lesa LaMar	Deputy City Clerk
	Amanda McCellon	Community Dev. Director
	(See Roster)	

Chairman Lloyd called the Bethany Development Authority meeting to order at 6:59 P.M.

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

- A. APPROVAL OF MINUTES FROM MARCH 5, 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.**

A motion was made by Vice-Chairman Knapp, seconded by Trustee

Smart to approve the Consent Docket. Yes votes: Larsen, Plank, Smart, Lloyd, McPhail, Powell, Palmer, Knapp. No votes: None. Motion passed.

ITEM NO. 2 on the agenda was **NEW BUSINESS (AS DEFINED BY THE OKLAHOMA OPEN MEETING ACT § 311 (A) (9) AS "MATTERS NOT KNOWN ABOUT OR WHICH COULD NOT HAVE REASONABLY BEEN FORESEEN PRIOR TO THE TIME OF POSTING THE AGENDA")**.

None

ITEM NO. 3 on the agenda was **ADJOURN UNTIL APRIL 2, 2024**.

Mayor Lloyd adjourned the Bethany Development Authority meeting at 7:00 P.M. until April 2, 2024.

CHAIRMAN

SECRETARY

BETHANY DEVELOPMENT AUTHORITY

From: Michael Vaughn, Finance Director
Date: March 28, 2024
Subject: Claims list for the 04/02/2024 Bethany Development Authority Meeting

BETHANY DEVELOPMENT AUTHORITY

FUND	AMOUNT
Bethany Development Authority	\$ -
TOTAL	\$ -

ENTERPRISE-WIDE SUMMARY OF ALL CLAIMS:

FUND	AMOUNT
General Operations Fund	\$ 92,938.97
Bethany Public Works Authority	\$ 82,238.98
Bethany Hospital Trust	\$ -
Bethany Development Authority	\$ -
TOTAL	\$ 175,177.95

RECOMMENDATION

1. Approve claims as presented.



BETHANY DEVELOPMENT AUTHORITY

From: Michael Vaughn, Finance Director
Date: 04/02/2024
Subject: Budget Amendment 24-14

BACKGROUND

The City of Bethany provided \$20,000 in the FY 24 Bethany Development Authority Budget to pay for fireworks for the Bethany 4th of July celebration. Since then, the City has assumed responsibility for the 4th of July parade as well. The cost of the fireworks has also increased over the previous year.

The proposed Budget Amendment will provide additional funding for the increase in fireworks, the cost of traffic control and safety provisions for the parade, and overtime for City employees.

RECOMMENDATION

1. Approve Budget Amendment 24-14 (attached).

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

ADDITIONAL COMMENTS

The 4th of July celebration will be funded from the Bethany Development Authority.

Approval of and authorization to execute Budget Amendment Number BA# 24-14

BUDGET AMENDMENT FORM



Funds: Bethany Development Auth.
Amendment #: BA# 24-14
Fiscal Year: FY2024

<u>Account #</u>	<u>Account Name</u>	<u>Estimated Revenue</u>		<u>Appropriations</u>	
		<u>Increase</u>	<u>Decrease</u>	<u>Increase</u>	<u>Decrease</u>
Bethany Development Authority					
082-25390	Unappropriated Fund Balance	20,000			
082-599.0-351	Bethany Freedom Fest Exp.			20,000	
TOTALS		<u>20,000</u>	<u>-</u>	<u>20,000</u>	<u>-</u>

EXPLANATION: 11 OS Section 17-216 B

The Municipal Budget Act adopted by the City Council allows the City to amend the budget at any time during the year for necessary expenditures incurred that exceed the original budget or when changing circumstances warrant the action.

Budget Amendment 24-14 Appropriates additional funding in the Bethany Development Authority to pay for increased costs related to the Bethany Freedom Fest.

Date & Signature of Mayor: _____ x _____ Date

Date & Signature of City Manager: _____ x _____ Date

Date Approved by City Council: April 2, 2024

Bethany Development Auth.

Unappropriated Fund Balance Remaining After Amendment: 131,764.00