

**AGREEMENT
FOR
PROFESSIONAL CONSULTANT SERVICES
BETWEEN
CITY OF BROKEN ARROW
AND
MARQUARDT ENGINEERING, PLLC
FOR
ELM STREET AND TUCSON STREET IMPROVEMENTS
PROJECT ST24300**

This AGREEMENT, including Attachment A through Attachment E, between the City of Broken Arrow (OWNER) and Marquardt Engineering, PLLC, (CONSULTANT);

W I T N E S S E T H:

WHEREAS, OWNER intends to construct sidewalk improvements along the west side of Elm Street from approximately 150 feet north of W. Broadway Avenue continuing north approximately 750 feet and construct sidewalk along the north side of W. Tucson St. to fill in gaps between existing sidewalks and replace any existing non-compliant features between the east side of the existing sidewalk at Attic Storage Aspen Creek (1700 W. Tucson St.) and the existing sidewalk at Dreams Aspen Creek (1100 W. Tucson St.) (PROJECT) for which, OWNER has requested that CONSULTANT provide certain professional services as required and,

WHEREAS, CONSULTANT is qualified and capable to provide the professional services required;

NOW, therefore, in consideration of the promises contained in this AGREEMENT, OWNER and CONSULTANT agree as follows:

ARTICLE 1 - EFFECTIVE DATE

This AGREEMENT shall be effective upon signature of both parties.

ARTICLE 2 - GOVERNING LAW

This AGREEMENT shall be governed by the laws of the State of Oklahoma and venue for any action concerning this Agreement shall be in the District Court of Tulsa County, Oklahoma.

ARTICLE 3 - SERVICES TO BE PERFORMED BY CONSULTANT

CONSULTANT shall perform the SERVICES described in Attachment A, Scope of Services. If construction phase services are included, the CONSULTANT shall be the OWNER'S agent and representative to observe, record and report with respect to all services that are required or authorized by the construction documents. OWNER and CONSULTANT agree that the services to be performed under this AGREEMENT by the CONSULTANT shall be as an independent contractor.

ARTICLE 4 – ORGANIZATION OF SUBMITAL DOCUMENTS

CONSULTANT shall prepare the documents as described in Attachment B as part of this Agreement.

ARTICLE 5 - COMPENSATION

OWNER shall pay CONSULTANT in accordance with Attachment C, Compensation.

ARTICLE 6 - OWNER'S RESPONSIBILITIES

OWNER shall be responsible for all matters described in Attachment D, OWNER'S Responsibilities and Special Conditions.

ARTICLE 7 - STANDARD OF CARE

CONSULTANT shall perform the SERVICES undertaken in a manner consistent with the prevailing accepted standard for similar services with respect to projects of comparable function and complexity, and with the applicable state laws, as well as the specific codes, regulations, design criteria and construction specifications adopted by the owner and other governing policies published and generally considered authoritative by CONSULTANT'S profession that are in effect at the time of performance of these SERVICES. CONSULTANT is obligated to perform professional services in accordance with the foregoing standard with respect to the laws, codes, regulations, design criteria and construction specifications that are applicable pursuant to this AGREEMENT.

ARTICLE 8 - LIABILITY

8.1 General. Having considered the potential liabilities that may exist during the performance of these SERVICES, the benefits of the PROJECT, and CONSULTANT'S fee for the SERVICES; and in consideration of the promises contained in this AGREEMENT, OWNER and CONSULTANT agree to allocate and limit such liabilities in accordance with Article 10.

8.2 Indemnification. CONSULTANT agrees to defend, indemnify, and hold harmless OWNER, and its agents and employees, from and against legal liability for all claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are caused by the negligent or intentional acts, errors, or omissions of CONSULTANT, its agents or employees. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of OWNER and CONSULTANT, or their agents or employees, then they shall be borne by each party in proportion to each entity's own negligence.

8.3 Consequential Damages. OWNER shall not be liable to CONSULTANT for any special, indirect, or consequential damages resulting in any way from the performance of the SERVICES such as, but not limited to, loss of use, loss of revenue, or loss of anticipated profits.

8.4 Survival. Upon completion of all SERVICES, obligations, and duties provided for in this AGREEMENT, or if this AGREEMENT is terminated for any reason, the terms and conditions of this Article 8 shall survive.

ARTICLE 9 - INSURANCE

During the performance of the SERVICES under this AGREEMENT, CONSULTANT shall maintain the following insurance:

- (1) General Liability Insurance, with a combined single limit of \$1,000,000 for each occurrence and \$1,000,000 in the aggregate;
- (2) Automobile Liability Insurance, with a combined single limit of not less than \$1,000,000 for each person, not less than \$1,000,000 for each accident and not less than \$1,000,000 for property damage; and
- (3) Professional Liability Insurance, with a limit of \$1,000,000 annual aggregate.

CONSULTANT shall furnish OWNER certificates of insurance, which shall include a provision that such insurance shall not be canceled without at least thirty (30) days written notice to OWNER. All PROJECT sub-consultants shall be required to name OWNER and CONSULTANT as certificate holders on their certificate of insurance for the PROJECT, and shall be required to indemnify OWNER and CONSULTANT to the same extent. CONSULTANT shall be held responsible to submit certificates of insurance for sub-consultants to OWNER prior to the sub-consultant's release to commence work.

ARTICLE 10 - LIMITATIONS OF RESPONSIBILITY

CONSULTANT shall not be responsible for: (1) construction means, methods, techniques, sequences, procedures, or safety precautions and programs in connection with the construction of the PROJECT; or (2) procuring permits, certificates, and licenses required for any construction unless such responsibilities are specifically assigned to CONSULTANT in Attachment A, Scope of Services.

ARTICLE 11 - LIMITATIONS OF RESPONSIBILITIES FOR ACTS OF OTHERS

CONSULTANT shall not at any time supervise, direct, control or have authority over any work performed by any employee, contractor or other agent of OWNER. CONSULTANT shall not be responsible for the acts or omissions of any employee, contractor or other agent associated with the PROJECT except for its own employees, subcontractors and other agents.

ARTICLE 12 - OPINIONS OF COST AND SCHEDULE

Since CONSULTANT has no control over the cost of labor, materials, or equipment furnished by others, or over the resources provided by others to meet PROJECT schedules, CONSULTANT'S opinion of probable costs and of PROJECT schedules shall be made on the basis of experience and qualifications as a professional. CONSULTANT does not guarantee that proposals, bids, or actual PROJECT costs will conform to OWNER'S cost estimates or that actual schedules will conform to OWNER'S projected schedules.

ARTICLE 13 - REUSE OF DOCUMENTS

All documents, including, but not limited to, drawings, specifications, and details, reports, etc. prepared by CONSULTANT pursuant to this AGREEMENT are instruments of service in respect to the PROJECT. They are not intended or represented to be suitable for reuse by CONSULTANT or others on extensions of the PROJECT or on any other project. Any reuse or adaptation without prior written verification by the OWNER for the specific purpose intended will be at CONSULTANT'S sole risk and without liability or legal exposure to the OWNER. CONSULTANT shall defend, indemnify, and hold harmless the OWNER against all claims, losses, damages, injuries, and expenses, including attorney's fees, arising out of or resulting from such reuse.

ARTICLE 14 - OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY

Except as otherwise provided herein, engineering documents, drawings, and specifications prepared by CONSULTANT as part of the SERVICES shall become the property of OWNER. CONSULTANT shall retain its rights in its standard drawing details, specifications, data bases, computer software, and other proprietary property. Rights to intellectual property developed, utilized, or modified in the performance of the SERVICES shall remain the property of CONSULTANT, but shall be provided to the OWNER, at no additional expense to the OWNER.

ARTICLE 15 - TERMINATION

This AGREEMENT may be terminated by either party upon written notice in the event of substantial failure by the either party to perform in accordance with the terms of this AGREEMENT. The non-performing party shall have fifteen (15) calendar days from the date of the termination notice to cure or to submit a plan for cure acceptable to the other party.

OWNER may suspend performance of this AGREEMENT for OWNER'S convenience upon written notice to CONSULTANT. Upon restart, an equitable adjustment may be made to CONSULTANT'S compensation, if the period of suspension has created an economic hardship for the CONSULTANT.

ARTICLE 16 - DELAY IN PERFORMANCE

Neither OWNER nor CONSULTANT shall be considered in default of this AGREEMENT for delays in performance caused by circumstances beyond the reasonable control of the non-performing party. For purposes of this AGREEMENT, such circumstances include, but are not limited to, abnormal weather conditions such as floods, earthquakes, fire; civil disturbances such

as war, riots, or other civil epidemic; power outages, strikes, lockouts, work slowdowns, or other labor disturbances; sabotage; judicial restraint, and inability to procure permits, licenses, or authorizations from any local, state, or federal agency for any of the supplies, materials, accesses, or services required to be provided by either OWNER or CONSULTANT under this AGREEMENT.

Should such circumstances occur, the non-performing party shall, within a reasonable time of being prevented from performing, give written notice to the other party describing the circumstances preventing continued performance and the efforts being made to resume performance of this AGREEMENT.

ARTICLE 17 - WAIVER

A waiver by either OWNER or CONSULTANT of any breach of this AGREEMENT shall be in writing. Such a waiver shall not affect the waiving party's rights with respect to any other or further breach.

ARTICLE 18 - SEVERABILITY

The invalidity, illegality, or unenforceability of any provision of this AGREEMENT or the occurrence of any event rendering any portion or provision of this AGREEMENT void shall in no way affect the validity or enforceability of any other portion or provision of this AGREEMENT. Any void provision shall be deemed severed from this AGREEMENT, and the balance of this AGREEMENT shall be construed and enforced as if this AGREEMENT did not contain the particular portion or provision held to be void. The parties further agree to amend this AGREEMENT to replace any stricken provision with a valid provision that comes as close as possible to the intent of the stricken provision. The provisions of this Article shall not prevent this entire AGREEMENT from being void should a provision which is of the essence of this AGREEMENT be determined void.

ARTICLE 19 - INTEGRATION

This AGREEMENT represents the entire and integrated AGREEMENT between OWNER and CONSULTANT. It supersedes all prior and contemporaneous communications, representations, and agreements, whether oral or written, relating to the subject matter of this AGREEMENT.

ARTICLE 20 - SUCCESSORS AND ASSIGNS

To the extent permitted by Article 22, OWNER and CONSULTANT each binds itself and its successors and assigns to the other party to this AGREEMENT.

ARTICLE 21 - ASSIGNMENT

Neither OWNER nor CONSULTANT shall assign its duties under this AGREEMENT without the prior written consent of the other party. Unless otherwise stated in the written consent to an assignment, no assignment will release or discharge the assignor from any obligation under this AGREEMENT. Nothing contained in this Article shall prevent CONSULTANT from employing independent sub-consultants, associates, and sub-contractors to assist in the performance of the SERVICES. However, third party entities must comply with Article 9.

ARTICLE 22 - THIRD PARTY RIGHTS

Nothing in this AGREEMENT shall be construed to give any rights or benefits to anyone other than OWNER and CONSULTANT.

ARTICLE 23 - COMPLETION

CONSULTANT shall complete the services within the time frame outlined on Attachment E, Schedule, subject to conditions which are beyond the control of the CONSULTANT.

ARTICLE 24 - IMMIGRATION COMPLIANCE

24.1 Consultant shall demonstrate that they:

- 24.1.1 Have complied, and shall at all times during the term of this Contract, comply in all respects with all immigration-related laws, statutes, ordinances and regulations including without limitation, the Immigration and Nationality Act, as amended, the Immigration Reform and Control Act of 1986, as amended, and the Oklahoma Taxpayer and Citizen Protection Act of 2007 (Oklahoma HB 1804) and any successor laws, ordinances or regulations (collectively, the Immigration Laws"); and
- 24.1.2 Have properly maintained, and shall at all times during the term of this Contract, maintain any and all employee records required by the U.S. Department of Homeland Security ("DHS"), including, without limitation, properly completed and maintained Form I-9s for each of the Consultants employees; and
- 24.1.3 Have verified the employment eligibility for all employees hired on or after July 1, 2008 through DHS's E-Verify system, and shall at all times continue to verify the employment eligibility of all employees hired during the term of this Contract; and
- 24.1.4 Have required, and will at all times during the term of this Contract, require any sub-contractor utilized, hired or sub-contracted for by Consultant for the completion or undertaking of any duties, tasks or responsibilities under this Contract, to comply the requirements and obligations imposed by the Immigration Laws and set forth in Paragraph (I), parts (a), (b) and (c), above, with regards to each of the sub-contractor's employees.

24.2 CONSULTANT will indemnify, defend and hold harmless OWNER against any loss, cost, liability, expense (including, without limitation, costs and expenses of litigation and reasonable attorney's fees) demands, claims, actions, causes of action, liabilities, suits, damages, including special and consequential damages that arise from or in connection with, directly or indirectly, CONSULTANT'S failure, deliberate or negligent, to fulfill its obligations and representations regarding verifying the employment eligibility of its employees and the employees of any subcontractor utilized by CONSULTANT as set forth more fully in Paragraph 24.1 above.

ARTICLE 25 - FIREARMS INDUSTRY NONDISCRIMINATION

CONSULTANT certifies, pursuant to 21 O.S. § 1289.31, that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association and that it will not so discriminate during the term of this AGREEMENT. This clause applies only if CONSULTANT is a company with at least ten (10) full-time employees and the AGREEMENT value is at least \$100,000 paid in whole or in part from City funds.

ARTICLE 26 - COMMUNICATIONS

Any communication required by this AGREEMENT shall be made in writing to the address specified below:

OWNER: City of Broken Arrow
485 N. Poplar Avenue
Broken Arrow, OK 74012
Contact: Mr. Travis Small, P.E., CFM
Transportation Division Manager

CONSULTANT: Marquardt Engineering, PLLC
7020 S. Yale Ave, Suite 225
Tulsa, OK 74136
918.704.8781

Contact Name: Mr. Keith Marquardt P.E.
Managing Member

Nothing contained in this Article shall be construed to restrict the transmission of routine communications between representatives of OWNER and CONSULTANT.

ARTICLE 27 – ELECTRONIC SIGNATURES

The OWNER and CONSULTANT agree this transaction may be completed by electronic means and an electronic signature on this AGREEMENT will be given the same legal effect as a handwritten signature and cannot be denied enforceability solely because it is in electronic form. If CONSULTANT signs this AGREEMENT electronically and/or submits documents electronically, CONSULTANT agrees to comply with OWNER'S requirements for submission of electronically signed and/or submitted documents.

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IN WITNESS WHEREOF, the City Manager of the City of Broken Arrow, Oklahoma has hereunto set his hand, for and on behalf of the City of Broken Arrow and the CONSULTANT has signed, or caused his name to be signed, and seal affixed by proper authority, the day and year first above written and these presents have been executed in triplicate counterparts.

OWNER:

City of Broken Arrow, a Municipal Corporation

By: _____

Michael L. Spurgeon, City Manager

Date: _____

CONSULTANT:

Marquardt Engineering, PLLC

By: Keith Marquardt

Keith M. Marquardt, P.E.,
Managing Member

Date: 12/29/2025

(CORPORATE SEAL, IF APPLICABLE)

Attest:

City Clerk [Seal]

Date: _____

Approved as to form:

Assistant City Attorney

VERIFICATION

State of Oklahoma)
County of Tulsa) §

Before me, a Notary Public, on this 29th day of December, 2025, personally appeared Keith M. Marquardt, known to be to be the Managing Member of Marquardt Engineering, PLLC, and to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he/she executed the same as his/her free and voluntary act and deed for the uses and purposes therein set forth.

My Commission Expires:

04/16/2025



Notary Public



**ATTACHMENT A
TO
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES
BETWEEN
CITY OF BROKEN ARROW
AND
MARQUARDT ENGINEERING, PLLC
FOR
ELM STREET AND TUCSON STREET IMPROVEMENTS
PROJECT ST24300**

SCOPE OF SERVICES

The following scope of services shall be made a part of the AGREEMENT dated the _____ day of January, 2026.

1.0 PROJECT UNDERSTANDING

CONSULTANT understands that the OWNER has retained their professional services in order to prepare construction documents for the purposes of constructing sidewalk improvements along the west side of Elm Street from approximately 150 feet north of W. Broadway Avenue continuing north approximately 750 feet and construct a sidewalk along the north side of W. Tucson St. to fill in gaps between existing sidewalks and replace any existing non-compliant features between the east side of the existing sidewalk at Attic Storage Aspen Creek (1700 W. Tucson St.) and the existing sidewalk at Dreams Aspen Creek (1100 W. Tucson St.) These documents shall include, but not be limited to, the following: a design manual including all numerical calculations supporting the intent of the design, as well as providing the basis for bid document quantities; construction plans detailing the intent of the project; standard details and standard drawings associated with the project specifics; construction specifications; general conditions, and special conditions.

- 1.2 The CONSULTANT is required to keep the OWNER apprised of the PROJECT costs and advise the OWNER of necessary cost reduction measures, if required, during the course of the PROJECT.
- 1.3 Furthermore, the CONSULTANT understands that the OWNER has \$300,000 budgeted for this PROJECT that includes all professional consultant fees and project construction monies.

2.0 PROJECT SCOPE

2.1 CONSULTANT shall perform civil design including grading, drainage, and surfacing; perform hydraulics/hydrology necessary to properly design the drainage structures; and perform geometric sidewalk design. All necessary structural design for the project shall be performed by the CONSULTANT.

- 2.2 CONSULTANT shall provide consulting services as follows:
Survey Services and Coordination (as necessary)

Geometric, Site Grading, Drainage, Structural (as necessary), Paving, and Miscellaneous Design
Public Utility Design and Relocations (as required)
Governmental Agency Coordination/Permitting (as required)

3.0 SCOPE OF SERVICES

- 3.1 ADMINISTRATIVE/MANAGERIAL DUTIES: CONSULTANT shall be responsible to perform the following tasks throughout the course of the PROJECT:
 - 3.1.1 Document all meetings, conferences, coordination, phone conversations, etc. and send documentation to OWNER within three (3) calendar days.
 - 3.1.2 Meet with the Owner in a Pre-Design Conference in order to determine design criteria, requirements and codes and other critical design features of the Project such as preferred alignment as well as project schedule and milestone dates.
 - 3.1.3 Provide Owner with a list of all proposed sub-consultants and tasks sub-consultants are responsible to perform.
 - 3.1.4 Meet with the Owner to discuss review comments on each phase of the project, and incorporate appropriate comments into following phase.
- 3.2 LAND SURVEY: Upon receiving the written Notice to Proceed, the Consultant shall perform the following tasks in accordance with the schedule provided in Attachment E:
 - 3.2.1 Establish horizontal and vertical control necessary for the design and construction of the project, including the establishment of reference points and benchmarks at the beginning and end of project, as well as interim points along project. PK nails should be set throughout the project at intervals no greater than 500 feet and at offset locations sufficient so as not to be disturbed during construction. Control shall be in accordance with the OWNER'S Engineering Design Criteria.
 - 3.2.2 Conduct all field surveys, including topographical, boundary, and aerial surveys, as necessary, for design of the project.
 - 3.2.3 Research and field-verify, to the fullest extents possible (typically S.U.E. level "C"), the horizontal and vertical locations of all public and private utilities, within the project boundary, which may be in conflict with the project. Include locations in base survey, along with all pertinent utility easements. It is incumbent upon CONSULTANT to determine if further investigation is necessary and advise OWNER of such need.
 - 3.2.4 Determine existing right-of-way and easements.
 - 3.2.5 Submit one (1) drawing on electronic media (AutoCAD 2021 or later version preferred) and one (1) PDF file of the final survey.
- 3.3 PRELIMINARY DESIGN PHASE: Upon receiving the written Notice to Proceed, the Consultant shall perform the following tasks in accordance with the schedule provided in Attachment E:
 - 3.3.1 Perform preliminary sidewalk geometric layout and design.
 - 3.3.2 Prepare preliminary construction plans and details, including preliminary drainage design, preliminary structural design as necessary, utility relocations as required for proposed project.
 - 3.3.3 Prepare Preliminary Special Provisions and Preliminary Special Specifications, as necessary.
 - 3.3.4 Prepare Preliminary Quantity Estimate.
 - 3.3.5 Prepare Preliminary Construction Cost Estimate using 20% contingency on Tucson and 30% contingency on Elm.
 - 3.3.6 Submit one (1) set of drawings on electronic media (AutoCAD 2021 or

- later version preferred) and one (1) PDF file of the Preliminary plans.
- 3.3.7 The Preliminary Design Phase submittal shall include:
- Title Sheet
 - Pay Quantities and Pay Item/General Notes
 - Typical Sections
 - Quantity & Miscellaneous Summaries
 - Summary of Drainage Structures, as necessary
 - Drainage Area Map
 - Storm Water Management Plan (SWP3)
 - Hydraulic Design Summary, as necessary
 - Plan and Profiles
 - Signing & Striping, as necessary
 - Erosion Control Plan
 - Utility Relocation Sheets, as necessary
 - Special Details Sheets, as necessary
 - Cross Section Sheets
- 3.3.8 Preliminary Design Review
- 3.3.9 Attend a meeting with the CITY to review the Preliminary Design Phase submittal and provide meeting minutes.
- 3.4 FINAL DESIGN PHASE: Following written approval of the Preliminary Design, the CONSULTANT shall perform the following tasks in accordance with the schedule provided in Attachment E:
- 3.4.1 Conduct all necessary design functions required to complete the final design phase of the project.
- 3.4.2 Prepare final construction plans and details.
- 3.4.3 Prepare Final Special Provisions and Final Special Specifications, as necessary.
- 3.4.4 Prepare Final Quantity Estimate.
- 3.4.5 Prepare Final Construction Cost Estimate using 10% contingency.
- 3.4.6 Submit one (1) set of drawings on electronic media (AutoCAD 2021 or later version preferred) and one (1) PDF file of the Final plans.
- 3.4.7 The Final Design Phase submittal shall include:
- Structural Design Calculations, as necessary
 - Title Sheet
 - Pay Quantities and Pay Item/General Notes
 - Typical Sections
 - Quantity & Miscellaneous Summaries
 - Summary of Drainage Structures
 - Hydraulic Design Summary, as necessary
 - Drainage Area Map
 - Storm Water Management Plan (SWP3)
 - Right-of-Way Map & Data, as necessary
 - Survey Data Sheets
 - Plan and Profiles
 - Railroad Crossing and Special Details, as necessary
 - Signing & Striping, as necessary
 - Erosion Control Plan
 - Construction Sequencing and Traffic Control, as necessary
 - Utility Relocation Sheets, as necessary
 - Cross Sections
 - Standard Construction Drawings
- 3.4.8 Final Design Review.
- 3.4.9 Attend a meeting with the CITY to review the Final Design Phase submittal and provide meeting minutes.

- 3.5 BID DOCUMENTS.
 - 3.5.1 Incorporate final design review comments and furnish one (1) complete set of full-size drawings and contract documents, one (1) unbound set of reduced-size (11" x 17") drawings, and one (1) set of final drawings on electronic media (AutoCAD 2021 or later version preferred), and one (1) master set of final specifications on electronic media and paper.
- 3.6 BID ASSISTANCE PHASE:
 - 3.6.1 Attend and conduct a Pre-Bid Conference, as required by Owner.
 - 3.6.2 Serve as the technical question point of contact to answer requests for information during bidding and draft any necessary addenda to clarify Contract Documents.
 - 3.6.3 Assist in preparing addenda and addenda plan sheets, as required.
- 3.7 CONSTRUCTION SERVICES PHASE: This phase may be negotiated with the CONSULTANT upon the request of the OWNER.
- 3.8 RECORD DRAWINGS.
 - 3.8.1 Upon completion of construction, the CONSULTANT will incorporate the contractor's red-line markups of the construction drawings and submit one (1) set of record drawings on electronic media (AutoCAD 2021 or later version preferred).

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**ATTACHMENT B
TO
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FOR
ELM STREET AND TUCSON STREET IMPROVEMENTS
PROJECT ST24300**

ORGANIZATION OF SUBMITTAL DOCUMENTS

The CONSULTANT shall prepare the following documents as described as a part of the AGREEMENT dated the _____ day of January, 2026.

1.0 CONSTRUCTION PLANS: The CONSULTANT shall submit in-full, construction plans in accordance with City requirements.

- 1.1 Title Sheet
- 1.2 Pay Quantities and Pay Item/General Notes
- 1.3 Typical Sections
- 1.4 Quantity & Miscellaneous Summaries
- 1.5 Summary of Drainage Structures, as necessary
- 1.6 Hydraulic Design Summary, as necessary
- 1.7 Project Drainage Area Map
- 1.8 Storm Water Management Plan (SWP3)
- 1.9 Right-of-Way Map & Data, as necessary
- 1.9 Survey Data Sheets
- 1.10 Plan and Profiles
- 1.11 Special Details, as necessary
- 1.12 Signing & Striping, as necessary
- 1.13 Erosion Control Plan
- 1.14 Utility Relocation Sheets, as necessary
- 1.15 Cross Sections
- 1.16 Standard Construction Drawings

2.0 DRAINAGE DESIGN DOCUMENTS: The CONSULTANT shall submit in-full, in accordance with this AGREEMENT, the following documents:

- 2.1 Hydrology and Hydraulic Calculations;
- 2.2 Overall Project Drainage Map;
- 2.3 Drainage Summary Tables;
- 2.4 Stormwater Pollution Prevention Plan (SWP3)
 - 2.4.1 Report;
 - 2.4.2 Environmental Clearances, DEQ and USACOE permitting, as required by funding and/or the USACOE;
 - 2.4.3 Owner, Contractor and Engineer's Certifications;
 - 2.4.4 Approved Grading/Erosion Control Construction Plans; and
 - 2.4.5 Standard Erosion Control Details

- 3.0 TECHNICAL SPECIFICATIONS:** The CONSULTANT shall submit in-full, in accordance with this AGREEMENT, technical specifications to be included in the bidding documents and construction contract.
- 4.0 DESIGN CALCULATIONS:** The CONSULTANT shall submit in-full, in accordance with this AGREEMENT, the following documents as part of the Design Analysis.
- 4.1 Structural Design Calculations (as necessary):
 - 3.1.1 Retaining Earth; and
 - 3.1.2 Miscellaneous Structures
 - 4.2 Other Engineer Design Calculations
- 5.0 CONTRACT DOCUMENTS:** The CONSULTANT shall submit in-full, all bid documents in accordance with City requirements.
- 5.1 Bid Documents:
 - 5.1.1 Written description of construction project.
 - 5.1.2 Construction duration in calendar days.
 - 5.1.3 Engineers construction estimate.
 - 5.2 Project Conditions:
 - 5.2.1 Special Conditions.
 - 5.3 Construction Specifications
- 6.0 RECORD DRAWINGS:** The CONSULTANT shall submit in-full, in accordance with this AGREEMENT, the following documents:
- 6.1 Drawings:
 - 6.1.1 CAD files (AutoCAD 2021 or later preferred) for project construction drawings reflecting red-line markups from the construction contractor and the City Contract Administrator.
 - 6.1.2 PDF files of CAD drawings.
 - 6.2 Design Manual:
 - 6.2.1 Paper copy of Design Manual (specifications, calculations, etc.) reflecting any changes during construction.
 - 6.2.2 PDF file of Design Manual.

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**ATTACHMENT C
TO
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COMPENSATION AND ADDITIONAL SERVICES

The following compensation and hourly rates shall apply as described in Attachment C and shall be made a part of the AGREEMENT dated the _____ day of January, 2026.

1.0 BASIC COMPENSATION

The basic compensation for the Professional Consultant to perform all duties and responsibilities associated with the Scope of Services as described in Attachment A shall be in accordance with the following payment breakdown:

- 1.1 Legal Descriptions and Land Survey Payment: The OWNER shall pay the CONSULTANT a lump sum amount of **\$8,800.00** for the completion of the Land Survey Phase. The amount to develop legal descriptions for the Elm Street Sidewalk Improvement is \$4,000. The amount for Topographic Survey for the Tucson Sidewalk improvement is \$4,800. This amount includes all labor, material, overhead and profit associated with the Scope of Services.
- 1.2 Preliminary Design Phase Payment: The OWNER shall pay the CONSULTANT a lump sum amount of **\$31,450.00** for the completion of the Preliminary Phase. The lump sum amount is the sum of the two estimates. The amount for Elm Street Sidewalk Improvement is \$19,950. The amount for the Tucson Sidewalk improvement is \$11,500.00. This amount includes all labor, material, overhead and profit associated with the Scope of Services.
- 1.3 Final Design Phase Payment: The OWNER shall pay the CONSULTANT a lump sum amount of **\$12,690** for the completion of the Final Phase. The lump sum final design amount is the sum of the two estimates. The amount for Elm Street Final Design Sidewalk Improvement is \$8,690. The amount for the Tucson Final Design Sidewalk improvement is \$4,000. This amount includes all labor, material, overhead and profit associated with the Scope of Services.
- 1.4 Bidding Assistance and General Services Phase Payment: The OWNER shall pay the CONSULTANT a lump sum amount of **\$1,500.00** for the Bidding Assistance Phase and General Services during construction. This amount includes all labor, material, overhead and profit associated with the Scope of Services.
- 1.5 The OWNER may negotiate other professional services fees with the CONSULTANT at the OWNER'S discretion.

2.0 ADDITIONAL SERVICES BASED ON TIME

The hourly rates set forth below include all salaries, benefits, overhead and other indirect costs including federal, state, and local taxes, plus profit and effective as of January 1, 2026.

Professional Services

Project Manager	\$178.75
Senior Technician	\$110.00

3.0 REPRODUCTION

All charges for reproduction shall be included in Basic Compensation Fee of the Professional Consultant. No separate payment will be made for these expenses.

4.0 MILEAGE

All direct costs shall be included in the Basic Compensation of the Professional Consultant. No separate payment will be made for these expenses.

5.0 DIRECT COSTS

All direct costs shall be included in the Basic Compensation of the Professional Consultant. No separate payment will be made for these expenses.

6.0 ADJUSTMENT CLAUSE

The rates and costs described in this AGREEMENT shall not be revised annually, unless mutually agreed upon by both parties.

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**ATTACHMENT D
TO
AGREEMENT FOR CONSULTING SERVICES
BETWEEN
CITY OF BROKEN ARROW
AND
MARQUARDT ENGINEERING, PLLC
FOR
ELM STREET AND TUCSON STREET IMPROVEMENTS
PROJECT ST24300**

OWNER'S RESPONSIBILITIES AND SPECIAL CONDITIONS

The following list of special OWNER'S responsibilities and contract special conditions shall be made a part of this AGREEMENT dated the _____ day of January, 2026.

1.0 OWNER'S RESPONSIBILITIES

- 1.1 OWNER shall furnish to CONSULTANT all available information pertinent to the PROJECT including previous reports and any other data relative to design and construction of the PROJECT;
- 1.2 OWNER shall furnish to CONSULTANT all public utility information available relative to the design and construction of the PROJECT. Consultant topographical survey shall locate all utilities above and below ground for exact location;
- 1.3 OWNER shall furnish to CONSULTANT list of codes adopted by the municipality as well as subdivision regulations, design criteria and construction standards and specifications that may be pertinent to the design and construction of the PROJECT;
- 1.4 OWNER shall be responsible for all permit fees and for all reproduction costs associated with the bidding of the final approved construction documents required for the construction of this PROJECT;
- 1.5 OWNER shall be responsible for all land/easement acquisition costs and filing of the required legal documents, if necessary; and
- 1.6 OWNER shall examine all studies, reports, sketches, estimates, specifications, plan drawings, proposals, and other documents presented by the CONSULTANT and render in writing decisions pertaining thereto within a reasonable time so as not to delay the SERVICES of the CONSULTANT.

2.0 SPECIAL CONDITIONS

- 2.1 None

**ATTACHMENT E
TO
AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES
BETWEEN
CITY OF BROKEN ARROW
AND
MARQUARDT ENGINEERING, PLLC
FOR
ELM STREET AND TUCSON STREET IMPROVEMENTS
PROJECT ST24300**

PROJECT SCHEDULE

The following schedule shall be made a part of the AGREEMENT dated the _____ day of January, 2026.

1.0 PRELIMINARY DESIGN PHASE:

- 2.1 Notice to Proceed: January 23, 2026
- 2.2 Prepare Preliminary Plans: January 23 – April 24, 2026
- 2.3 Submit Preliminary Plans: April 27, 2026
- 2.4 Owner Review: April 27 – May 15, 2026

2.0 FINAL DESIGN PHASE:

- 2.1 Notice to Proceed: May 18, 2026
- 2.2 Prepare final plans and specifications (90%): May 18 – July 1, 2026
- 2.5 Prepare final cost estimate: May 18 – July 1, 2026
- 2.6 Prepare Design Analysis Report: May 18 – July 1, 2026
- 2.7 Submit final (90%) plans and specifications: July 1, 2026
- 2.8 Owner Review: July 6 – July 27, 2026
- 2.9 Prepare bid documents (plans and specifications): July 27 – August 4, 2026
- 2.10 Submit bid documents: August 5, 2026

3.0 RECORD DRAWINGS: To be submitted within 30 days after OWNER provides contractor red-lines to CONSULTANT upon completion of construction.

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