

**AMENDMENT NO. 4 TO CONTRACT FOR ENGINEERING SERVICES**

This amendment is made and entered into this 21ST day of MAY, 2024, by and between The City of Oklahoma City, a municipal corporation, herein after "City", and CEC Corporation, herein after "Engineer".

**WITNESSETH:**

**WHEREAS**, the City and the Engineer entered into an agreement on October 25, 2022 as follows:

Project No. PC-0926, Widening of Post Road; and  
WC-1023, 60-Inch Water Transmission Main Relocation; and

**WHEREAS**, the City engaged the services of the Engineer to provide for design and all other engineering services related to roadway widening to a 3-lane roadway, including open section drainage, various drainage improvements and pedestrian sidewalk along one side of the project, intersection improvements (PC-0926), and alignment study for the relocation of the 60-inch water main (WC-1023); and

**WHEREAS**, subsequent to execution of the original contract, the Engineer will provide three separate bid packages for the projects, the first bid package will consist of the water main relocation along SE 74th Street and the south mile of Post Road (WC-1023-A), the second consists of the roadway resurfacing along SE 74th Street and widening of the south mile of Post Road (PC-0926-A), and the third consists of the water main relocation and roadway resurfacing along SE 44th Street and the widening of the north mile of Post Road, which includes the waterline connections at SE 44th Street and SE 74th Street on Douglas Boulevard (WC-1023-B and PC-0926-B); and

**WHEREAS**, the Engineer will also provide oversight during construction to ensure that the contractors are coordinating effectively and the project remains on schedule, therefore, it was necessary to incorporate Task 6 - Construction Oversight, into the Contract; and

**WHEREAS**, the estimated construction cost for PC-0926 is \$9,952,460 for the base bid, \$4,605,847 for Alternate 1, reconstruction of SE 74<sup>th</sup> and SE 44<sup>th</sup> Streets within the projects limits, and \$1,825,070 for Alternate 2, closed drainage system in lieu of an open drainage system) for a total of \$16,383,370 (an overall increase of \$5,002,037); and

**WHEREAS**, the work above was authorized under the auspices of **Amendment No. 1**; and  
CS 10/22/18

**WHEREAS**, subsequent to execution of the original contract as previously amended, it was determined to be in the best interest of the City to direct the Engineer to proceed with preparation of Final Plans and Specifications for WC-1023; and

**WHEREAS**, Bidding, Construction Administration, As-Built and Inspection Services remained possible by future amendment; and

**WHEREAS**, the Engineer also provided hydraulic modeling and potholing services necessary for both projects; and

**WHEREAS**, the hydraulic modeling related to PC-0926 ensured that the drainage structures in the Project area are properly sized and draining correctly; and

**WHEREAS**, the Engineer was required to provide coordination efforts with FEMA related to Project PC-0926, therefore, it was necessary to increase Exhibit E- Additional Services to compensate the Engineer for these services; and

**WHEREAS**, the hydraulic modeling related to WC-1023 evaluated the system under simulated transient conditions and recommended mitigation to maintain maximum and minimum pressures within an acceptable range; and

**WHEREAS**, the estimated construction cost for WC-1023 is \$27,877,000 (an increase of \$27,877,000); and

**WHEREAS**, the work above was authorized under the auspices of **Amendment No. 2**; and

**WHEREAS**, subsequent to execution of the original contract as previously amended, it was determined to be in the best interest of the City to direct the Engineer to design two custom drop inlets required at two separate cross drains along Post Road; and

**WHEREAS**, it was also determined that five cast-in-place butterfly vaults were required for the proposed 60-inch waterline, therefore, the Engineer provided structural design services and incorporated the design into the final plans; and

**WHEREAS**, Amendment No. 1 allowed for Bidding, Construction Administration, As-Built and Inspection Services for WC-1023 to be provided by possible future amendment; and

**WHEREAS**, it was determined to direct the Engineer to move forward with those services, as well as additional survey and geotechnical services related to the waterline portion of the project; and

**WHEREAS**, a scrivener's error from Amendment No. 1 which showed an incorrect subtotal for an item in PC-0926 - Task 1 was corrected by Amendment No. 3; and

**WHEREAS**, the work above was authorized under the auspices of **Amendment No. 3**; and

**WHEREAS**, subsequent to execution of the original contract as previously amended, it has been determined that additional structural design is necessary for cross drain structures where the 60-inch waterline crosses underneath, custom end structure to alleviate conflicts with a high-pressured gas transmission line, and detailing of wall openings in proposed cross drains for the proposed storm sewer system; and

**WHEREAS**, the estimated construction cost for PC-0926 is \$8,206,876 (a decrease of \$8,176,501) and for WC-1023, \$16,460,220 (a decrease of \$11,416,780 for a total of \$24,667,096); and

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

**WHEREAS**, the total compensation to be paid to the Engineer for this Contract and Amendment shall be as follows:

For the original contract:

Not to exceed \$1,322,692 for engineering services

For Amendment No. 1:

Not to exceed \$819,023 for engineering services

For Amendment No. 2:

Not to exceed \$1,632,800 for engineering services

For Amendment No. 3:

Not to exceed \$1,211,780 for engineering services

For Amendment No. 4:

Not to exceed \$87,017 for engineering services

Total Amended Contract:

Not to exceed \$5,073,312 for all services (an increase of \$87,017); and

**WHEREAS**, both parties agree to amend said contract.

**NOW, THEREFORE**, the parties agree as follows:

- I. Amend **Paragraph 2. Basic Services.** to read as follows:

**Engineering Services.** The Engineer is hereby engaged and employed by the City to perform in accordance with good engineering practices and in the best interest of the City in accordance with the professional standard of care all of the work as set out herein (including **Amendment No. 1** work related to providing three separate bid packages, analysis of existing drainage structures, and project oversight during construction; and **Amendment No. 2** work related to preparation of Final Plans and Specifications for WC-1023, and hydraulic modeling and potholing services necessary both projects; and **Amendment No. 3** work related to design of two custom drop inlets required at two separate cross drains along Post Road, structural design services for five butterfly vaults required on the waterline, and Bidding, Construction Administration, As-Built and Inspection Services, as well as additional survey and geotechnical services related to the waterline portion of the project and **Amendment No. 3** work related to structural design for cross drain structures where the 60-inch waterline crosses underneath, custom end structure to alleviate conflicts with a high-pressured gas transmission line, and detailing of wall openings in proposed cross drains for the proposed storm sewer system) including Exhibit A, and including but not limited to the following:

II. Amend **Paragraph 5. Compensation.** to read as follows:

**Compensation.** The aggregate total compensation for all engineering services under this Contract shall not exceed a total fee of \$5,073,312 (an increase of \$87,017), which includes: for Basic Services an amount not to exceed \$4,665,379 (an increase of \$87,017), as specifically set forth in Exhibit B, attached hereto and incorporated herein; and, for Additional Services an amount not to exceed \$407,933, as specifically set forth in Exhibit E attached hereto and incorporated herein.

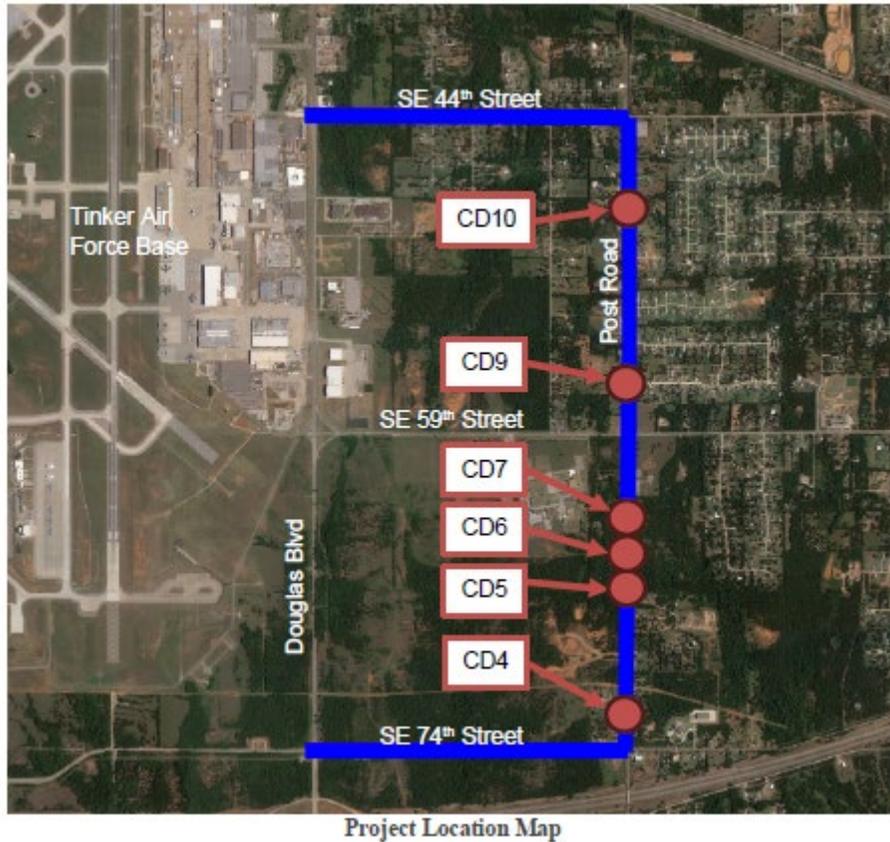
III. Amend **EXHIBIT A – SCOPE OF WORK** by addition of the following “**Exhibit A – Scope of Work (added by Amendment No. 4)**”:

**Exhibit A – Scope of Work  
(Added by Amendment No. 4)**

**PC-0926**

The additional scope of services includes the additional structural design services for requested general plan and elevation sheets for cross drain structures where the 60-inch waterline crosses underneath the structure, design and detailing of a custom end structure to miss a high-pressured gas transmission line and detailing of wall openings in proposed cross drains for the proposed storm sewer system.

The amendment scope of services includes the additional structural design services and plan production required to revise the construction documents as described in the Project Description section below. Additional fee associated with Bidding Services, Construction Administration, and As-Built Drawings is included for the construction and documentation of the proposed structures.



**PROJECT DESCRIPTION**

The added improvements include the following:

**PC-0926 Phase I:**

- Detail of General Plan and Elevation for proposed R.C.B. culvert Structure No. CD4.
- Design and detail of non-standard R.C.B. culvert end section for Structure No. CD7.
- Review of pipe structures that drain through R.C.B. culvert walls. Detail of wall openings for various pipe sizes for Structure No. CD4, CD5, CD6, and CD7.

**PC-0926 Phase II:**

- Detail of General Plan and Elevation for proposed R.C.B. culvert Structure No. CD9.
- Detail of General Plan and Elevation for proposed R.C.B. culvert Structure No. CD10.
- Review of pipe structures that drain through R.C.B. culvert walls. Detail of wall openings for various pipe sizes for Structure No. CD9 and CD10.

**TASK 1 – NOT NEEDED FOR THIS AMENDMENT**

**TASK 2 – FINAL PLANS**

This task includes the work required to prepare design plans for construction of the project improvements described above. The scope includes the preparation and submittal of the final signed and sealed construction plans along with the Engineer’s construction cost estimate. Plans will be prepared per City standards and specifications. Detailed scope items are as follows:

- Submit 90% design plans to the City of Oklahoma City for review prior to proceeding to Final Plans.
- Incorporate review comments from the 90% submittal review.
- Prepare final plans, specifications, and engineer’s estimate.
- Anticipated plan sheets will include:
  - General Notes
  - Summary of Pay Quantities and Notes (Structures)
  - General Plan and Elevation Sheets
  - Non-Standard R.C.B. Culvert End Section Details
  - R.C.B. Culvert Wall Opening Details

**TASK 3 – BIDDING SERVICES**

This task includes the work required to perform the bidding services assistance for Project No. PC-0926 PHASE II as it pertains to the structures portion of this project. Detailed scope are as follows:

- Attend and assist with one (1) bid opening meeting.
- Answer contractor questions and issue clarifications as needed..

**TASK 4 – CONSTRUCTION ADMINISTRATION PHASE**

This task includes the work required to perform the construction administration assistance for Project No. PC-0926 PHASE I and II as it pertains to the structures portion of this project. Detailed scope items for each project are as follows:

- Attend a pre-construction meeting with the successful contractor.
- Conduct two (2) construction progress meetings.
- Review contractor’s submittals and address RFI submittals.
- Attend final walk-through meeting with the contractor and City of Oklahoma City.

**TASK 5 – AS-BUILT DRAWINGS**

This task includes the work required to document field changes to the plans and specifications by incorporating changes reflected in the City of Oklahoma City and contractor supplied red-line markups into the project drawings for the structural portion of the plans. They will be submitted as As-Built plans.

**TASK 6 – NOT NEEDED FOR THIS AMENDMENT**

**PROJECT SCHEDULE**

Following receipt of our Notice to Proceed, it is expected that the Engineer can begin working on the project within one week.

Notice to Proceed – May 2024

Phase I Final Plan Submittal – Completed

Phase II Final Plan Submittal – 30 days following NTP

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V. Amend **EXHIBIT B – COMPENSATION** to read as follows:

**EXHIBIT B  
COMPENSATION  
PROJECTS PC-0926, WIDENING OF POST ROAD; AND  
WC-1023, 60-INCH WATER TRANSMISSION MAIN RELOCATION**

Under the terms of this Contract, the Engineer agrees to perform the work and services described in this Contract. The City agrees, in accordance with the limitations and conditions set forth in the Contract, to pay an amount not to exceed \$5,073,312 (an increase of \$87,017) which includes: for Basic Services an amount not to exceed \$4,665,379 (an increase of \$87,017) as specifically set forth in this Exhibit B; and, for Additional Services an amount not to exceed \$407,933 as specifically set forth in Exhibit E.

B.I. Basic Work and Services  
PC-0926 -\$1,830,964 (an increase of \$87,017)

Compensation for basic services may not exceed \$1,830,964 (an increase of \$87,017), and in no event may the Engineer receive compensation in excess of the amount listed for each task for performance of its basic services.

The Engineer may receive up to the following amounts of the not to exceed amounts for services rendered upon the completion of the following tasks. Partial payments of the not to exceed amounts for each task may be invoiced for incremental work completed. Not to exceed amounts below are accumulative for successive tasks.

Task 1A an amount not to exceed:  
\$100,875

Completion and submittal of the Pre-Design Services for the project.

The breakdown for Task 1A, Pre-Design Services is as follows:

Environmental Studies	\$30,000
Geotechnical Engineering	\$42,875
Traffic Counts and Analysis	\$28,000

Task 1B an amount not to exceed:  
\$361,410

Completion and recommendation by the City Engineer for approval by the City of the Preliminary Report for the project.

The breakdown for Task 1B, Preliminary Report Services is as follows:

Additional Geotechnical Engineering	\$ 22,680 (added by Amendment No. 1)
Survey Services	\$ 14,800 (added by Amendment No. 1)
Preliminary Report Services	\$323,930

Task 2 an additional amount not to exceed:  
\$811,733 (an increase of \$15,000)

Completion and acceptance by the City of the final plans and specifications for the project.

Task 3 an additional amount not to exceed:  
\$53,634 (an increase of \$2,364)

Award of the construction contract to the successful Bidder.

Task 4 an additional amount not to exceed:  
\$216,840 (an increase of \$14,600)

Upon completion and final acceptance by the City of the completed project. Said amount is to be paid proportionately to the level of completion of project construction. The proportionate amount is to be consistent with the Construction Contractor's percentage of completion.

Task 5 an additional amount not to exceed:  
\$36,072 (an increase of \$7,680)

Upon satisfactory completion and acceptance of the project as-built drawings.

Task 6 (added by Amendment No. 1)  
an additional amount not to exceed:  
\$250,400

Compensation for Construction Oversight Services related to three construction contracts necessary to complete the projects (16 hours per week for a duration of 96 weeks).

#### B.II. Basic Work and Services

WC-1023 - \$2,834,415

Compensation for basic services may not exceed \$2,834,415, and in no event may the Engineer receive compensation in excess of the amount listed for each task for performance of its basic services.

The Engineer may receive up to the following amounts of the not to exceed amounts for services rendered upon the completion of the following tasks. Partial payments of the not to exceed amounts for each task may be invoiced for incremental work completed. Not to exceed amounts below are accumulative for successive tasks.

Task 1A an amount not to exceed:  
\$107,915

Completion and submittal of the Pre-Design Services for the project.

The breakdown for Task 1A – Pre-Design Services is as follows:

Environmental Studies	\$30,000
Geotechnical Investigation	\$60,915
Survey Services	\$17,000 (added by Amendment No. 3)

Task 1B an amount not to exceed:  
\$93,000

Completion and recommendation by the City Engineer for approval by the City of the Alignment Study for the project.

Task 1C an amount not to exceed:  
Not required for this Project

Completion and recommendation by the City Engineer for approval by the City of the Preliminary Report for the project.

Task 2 an additional amount not to exceed:  
\$1,491,100

Completion and acceptance by the City of the final plans and specifications for the project.

The breakdown for Task 2 is as follows:

Project Coordination	\$ 266,000
Detailed Design Services	\$1,201,000
Project Coordination	\$ 12,100 (added by Amendment No. 3)
Structural Design of 5 Butterfly Valves	\$ 12,000 (added by Amendment No. 3)

Task 3 an additional amount not to exceed:  
\$107,400

Award of the construction contract to the successful Bidder.

Task 4 an additional amount not to exceed:  
\$323,000

Upon completion and final acceptance by the City of the completed project. Said amount is to be paid proportionately to the level of completion of project construction. The proportionate amount is to be consistent with the Construction Contractor's percentage of completion.

The breakdown for Task 4 is as follows:

Butterfly Vaults	\$ 3,000 (added by Amendment No. 3)
Waterline Relocation	\$320,000 (added by Amendment No. 3)

Task 5 an additional amount not to exceed:  
\$40,000

Upon satisfactory completion and acceptance of the project as-built drawings.

Task 6 an additional amount not to exceed:  
\$672,000

Compensation for Inspection Services shall not be greater than the amount and value of the work and services performed by the Engineer.

The breakdown for Task 6 is as follows:

Phase I Waterline Inspection

\$336,000 (added by Amendment No. 3)

Phase II Waterline Inspection

\$336,000 (added by Amendment No. 3)

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CONCURRED by the Oklahoma City Water Utilities Trust this 21ST day of  
MAY, 2024

ATTEST:

Amy K Simpson  
Secretary



Joe Cook  
Chairman

REVIEWED for form and legality.

Frank Green  
Assistant Municipal Counselor

