

RESOLUTION NO. 2022-____

**A RESOLUTION BY THE CITY TO AUTHORIZE A CONTRACT WITH
MCCLELLAND CONSULTING ENGINEERS, INC. TO PROVIDE ENGINEERING
SERVICES IN CONNECTION WITH CONSTRUCTION OF A SEWER
INTERCEPTOR LINE**

WHEREAS, the City of Prairie Grove needs to design and construct a 24-inch sewer interceptor line to service development South of the existing treatment plant; and

WHEREAS, professional engineering services are needed to assist the City with such project; and

WHEREAS, the City has previously engaged in soliciting Requests for Qualifications from engineering firms interested in providing services to the City; and

WHEREAS, the City has determined that McClelland Consulting Engineers, Inc. is the firm best suited to provide such engineering services to the City.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE
CITY OF PRAIRIE GROVE, ARKANSAS:**

That the City Council hereby authorizes the Mayor and Clerk to enter into the attached services agreement (Work Order 15) with McClelland Consulting Engineers, Inc. to provide engineering services to the City in connection with the design and construction oversight for a 24-inch sewer interceptor. The Mayor and Clerk are further authorized to take such steps as are necessary and incident to its implementation.

PASSED AND APPROVED on this 19th day of December 2022.

APPROVED:

ATTEST:

Charles (Sonny) Hudson, Mayor

Christine Kelly, Clerk

WORK ORDER NO. 15

ENGINEERING DESIGN SERVICES AND SERVICES DURING CONSTRUCTION FOR A NEW 24-INCH GRAVITY SEWER INTERCEPTOR NEAR DITMARS ROAD FOR THE CITY OF PRAIRIE GROVE, AR

This Work Order amends Articles 1, 2, and 5 of the Basic Agreement executed the 16th day of May, 2011 between **McClelland Consulting Engineers, Inc.**, hereinafter referred to as the ENGINEER and the **City of Prairie Grove, Arkansas**, hereinafter referred to as the OWNER on this the ____th day of _____, 2022.

ARTICLE 1

The OWNER is planning to upsize an existing 15-inch diameter gravity sewer main and construct a new 24-inch diameter PVC sewer interceptor between a new development, Hudson Heights, and the wastewater treatment plant, as shown in Exhibit A. The work will include approximately 1,500 linear feet of new gravity interceptor, manholes and other supporting infrastructure. The existing gravity sewer main has reached approximately 80% of its design capacity and is aging and experiencing infiltration and inflow. Additionally, the Prairie Grove community continues to experience growth and increased wastewater flows throughout the collection system and at the existing WWTP. Once in operation, the new gravity sewer interceptor main will allow for the existing system to be permanently abandoned.

The ENGINEER will complete the following tasks under Work Order No. 2.

Task No. 1 – Topographic Survey

- ENGINEER will complete a detailed topographic survey within the survey limits shown on the attached Exhibit A. Details include:
 - Street curb lines, asphalt edges, crown, and striping
 - Parking areas, light-poles, and bollards
 - Buildings, sheds, and finish floor elevations
 - Utility fixtures and structures
 - Underground utility lines as marked by utility and/or contracted utility location providers
 - Drainage ditches, pipe size and type, structures, and inverts.
 - Sanitary sewer manholes shall include rim elevation, pipe type and size and associated inverts.
 - Fences and gates
 - Land corners and property markers
 - Other features as may be visible from ground observation.
- TOTAL AREA - Approx. 2.0 acres
- OWNER is responsible for notifying landowners that surveyors will be in the area before field work begins.
- Project control points will be set for future construction purposed and identified in the survey.

- The ENGINEER will mark the site for utility locates and contact Arkansas One-Call. Arkansas One-Call is required to mark utilities within 48 hours of the receipt of the utility locate request if the request is for construction purposes. Design survey requests do not fall within this time requirement and during peak construction, it may take several weeks for locates to be completed. The ENGINEER shall not be responsible for utilities not field located by Arkansas One Call or any specific utility provider.
- Note: A boundary survey is not a part of this scope. It is assumed that the new sewer interceptor will be constructed entirely within existing easements owned by the City and no additional easements will be required.

Task No. 2 – Design

- Perform design and provide Construction Documents for a new 24-inch sewer interceptor and service connections.
- Submit to the OWNER for review and approval.
- Prepare an estimate of probable construction costs for improvements based on design and specification requirements.
- Submit plans and specifications to the Arkansas Department of Health for review. Respond to comments from ADH as required to obtain approval.
- Represent OWNER at meetings as needed pertaining to this project.

Task No. 3 – Geotechnical Investigation

- Perform necessary geotechnical investigation required for the design of the project. The geotechnical investigation and reporting will be conducted according to appropriate ASTM standards.
- Perform two (2) soil bores to 15' depth.
- Provide Geotechnical Report to OWNER with boring data logs and Engineering recommendations for design.
- Engineer will coordinate with the OWNER for site access and drilling schedule.

Task No. 4 – Bid Phase

- Assist OWNER with advertisement for bids.
- Respond to questions from bidders and issue addenda as required.
- Conduct pre-bid meeting (if required).
- Attend bid opening and prepare certified bid tabulation.
- Evaluate bids as received and recommend award of the Construction Contract based on the bid evaluation.

Task No. 5 – Services During Construction

- Attend preconstruction conference.
- Review submittals.
- Provide partial on-site observation of the construction work as it progresses for a period not to exceed 6 months.
- Prepare contractor pay estimates and submit to OWNER for review and approval.

- Prepare change orders as needed.
- Attend final inspection and prepare punch list.
- Prepare as-built record drawings utilizing contractor's measurements.
- Represent OWNER at meetings as needed pertaining to this project.
- Prepare and submit close out documentation.
- Assist OWNER during startup operations.

Task No. 6 – Additional Services

- The Engineer will perform additional services related to wastewater collection, conveyance and treatment systems and other utility infrastructure.
- The following items are not included under this agreement but will be considered as Additional Services:
 - Redesign for the OWNER's convenience or from conflicting direction from OWNER, redesign due to unanticipated changed conditions, redesign from Contractor direction after selection, or redesign for any reason after regulatory approval.
 - Submittals or deliverables required for redesign based on above reasons.
 - Environmental Assessment.
 - Work related to environmentally or historically (culturally) significant items.
 - Approved Jurisdictional Determination.
- Additional Services will be as directed by the OWNER in writing for an additional fee.

ARTICLE 2

The compensation for services to be provided in Article 1 shall be as follows:

Task No. 1 – Topographic Survey

- Payment for the topographic survey shall be on a lump sum basis in the amount of \$5,000 plus direct expenses. Payments shall be made in monthly installments as surveying progresses.

Task No. 2 – Design

- Payment for the preliminary design and recommendations shall be on a lump sum basis in the amount of \$80,000 plus direct expenses. Payments shall be made in monthly installments as work is completed.

Task No. 3 – Geotechnical Investigation

- Payment for the geotechnical investigation and report shall be on a lump sum basis in the amount of \$4,000 plus direct expenses. Payments shall be made in monthly installments as work is completed.

Task No. 4 – Bid Phase

- Payment for Task No. 4 shall be on lump sum basis in the amount of \$5,000 plus direct expenses.

Task No. 5 – Services During Construction

- Payment for Task No. 5 shall be on an hourly rate plus direct expense basis. Total fee for professional services is anticipated not to exceed \$50,000. Hourly rates shall be those current at the time services are provided. Current standard hourly rates are attached hereto as Exhibit B. Services during construction provided by the ENGINEER are anticipated to be a maximum of four (4) hours per day, for five (5) days per week, for a maximum of six (6) months. Additional time will be billed at standard hourly rates as approved in advance by the OWNER in writing.

Task No. 6 – Additional Services

- Payment for additional engineering services shall be on an hourly rate plus direct expense basis. Total fee for professional services is anticipated not to exceed \$10,000. Hourly rates shall be those current at the time services are provided. Current standard hourly rates are attached hereto as Exhibit B.

ARTICLE 5

IN WITNESS WHEREOF, the parties hereto each herewith subscribe the same in duplicate.

FOR THE CITY OF PRAIRIE GROVE, ARKANSAS

By: _____
Mr. Sonny Hudson, Mayor

Dated the ____ day of _____, 2022

Attest: _____

FOR McCLELLAND CONSULTING ENGINEERS, INC.

By: _____
Nicholas Batker, P.E., Senior Associate

Dated the ____ day of _____, 2022

Attest: _____
Zane Lewis, P.E., Project Manager

**EXHIBIT A:
PRAIRIE GROVE 24-INCH
GRAVITY SEWER UPSIZE
HARBOR HEIGHTS TO
WWTP**

**APPROX. 1,500 LF
GRAVITY SEWER
UPSIZING TO 24-INCH
DIA. PVC**

**HARBOR
HEIGHTS
DEVELOPMENT
AREA**

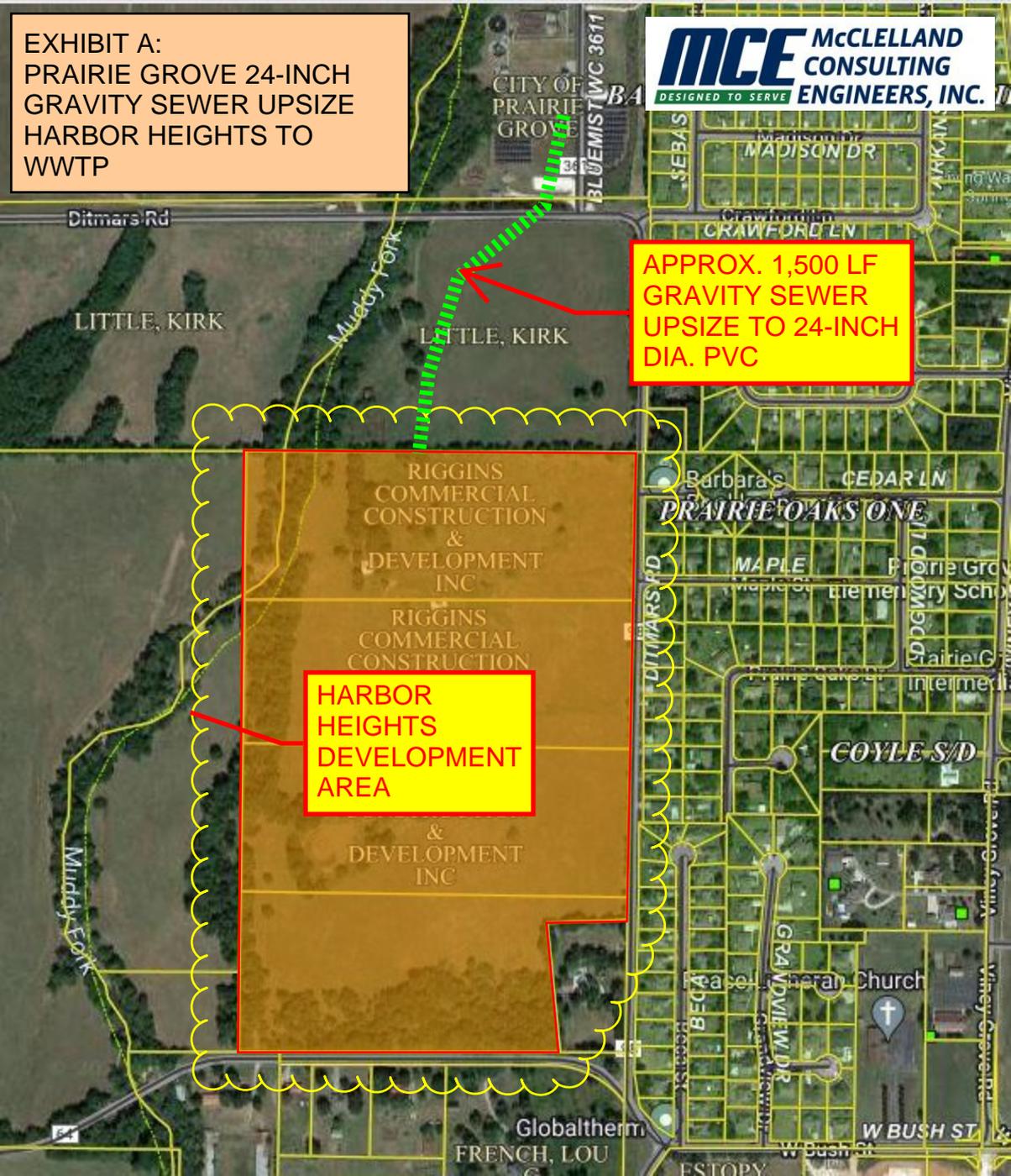




EXHIBIT B:
PRAIRIE GROVE 24-INCH
GRAVITY SEWER UPSIZE
HARBOR HEIGHTS TO
WWTP

Effective 8/1/2022

McCLELLAND CONSULTING ENGINEERS, INC.

*STANDARD HOURLY RATES

Chief Draftsman	\$95 - \$110
Clerical	\$45 - \$75
Construction Observer	\$70 - \$145
Draftsman	\$65 - \$100
Environmental Scientist/Designer	\$105 - \$125
Geotech Engineer	\$85 - \$170
GIS Technician	\$80 - \$140
HR/Payroll Admin	\$75-\$100
Landscape Architect	\$90 - \$170
Media Specialist	\$80 - \$105
Principal	\$160 - \$240
Project Accountant	\$70 - \$155
Project Designer - Intern	\$50 - \$60
Project Designer	\$80 - \$140
Project Engineer	\$120 - \$175
Project Manager	\$120 - \$200
Registered Land Surveyor	\$95 - \$145
Soils Lab Technician	\$50 - \$140
Specification Writer	\$50 - \$90
Sr. Project Manager	\$140 - \$230
Survey (2 man or Robotic) Crew	\$115 - \$165
Survey (3 man) Crew	\$135 - \$195
Survey Field (1 Man or Rodman)	\$45 - \$110
Survey GPS	\$75 - \$130
Survey Technician	\$65 - \$95
Water Lab Supervisor	\$70 - \$120
Water Lab Tech	\$50 - \$95
Expenses	@ Cost
Mileage	.625/mi

** Standard Hourly Rates may be adjusted annually in accordance with the normal salary review practices of McClelland Consulting Engineers.*