



ARCHAEOLOGICAL CONSULTING

December 14, 2021

To: Mike Crandall, City of Arkansas City, Kansas

Subject: Proposal and Budget for Archaeological Survey

KB Archaeological Consulting (KBAC) presents a proposal for an Archaeological Survey in advance of development of a 13.71-acre parcel in Arkansas City, Cowley County, Kansas. If awarded the contract, the Principal Investigator for this project would be Dr. Kale Bruner, who meets the U.S. Secretary of the Interior's *Professional Qualification Standards for Archaeology* (36 CFR Part 61; 48 FR 44716). Kale is a member of the Register of Professional Archaeologists since 2011 and has more than 10 years experience in Cultural Resource Management archaeology in Kansas. Additionally, KBAC is a women-owned and operated small business and is in process of receiving WOSB certification through the federal Small Business Association.

The Project area consists of a single tract of land totaling 13.71 acres in the northeast quarter of Section 19, Township 34 N, Range 4 E of the 6th Principal Meridian. The project area is positioned on the terraces of the lower Walnut River and is known to contain surface scatter of prehistoric artifacts. Multiple previously documented prehistoric archaeological sites are in close proximity to the project area, including those grouped into the large settlement known as Etzanaoa.

As proposed here, the Archaeological Survey shall consist of 1) review of archaeological site files, literature and relevant archives; 2) performance of archaeological field survey with sub-surface shovel testing on a 15 meter grid across the parcel; and 3) production of a professional report of findings to include recommendations for management in accordance to the review process established by Section 106 of the National Historical Preservation Act for any cultural resources found to be present within the project area.

KBAC is prepared to conduct a literature review and to complete the field survey within 20 business days of receipt of notice to proceed from the client. The report of findings will be delivered to the client in no more than 30 business days following completion of fieldwork.

SCOPE OF WORK

Archaeological Survey

Prior to fieldwork, KBAC will conduct a review of files available through the Kansas State Historical Society to identify known archaeological sites and/or previous surveys conducted within the vicinity of the project area. Additional information will be gathered, including, but not limited to, soil survey reports and data sources concerning historical land use. The information

obtained will inform best practices during the field survey and provide the basis on which to interpret field results.

Field survey methodology will adhere to Kansas State Historic Preservation Office's *Guide to Archaeological Survey, Assessment, and Reports*. Sub-surface testing of the parcel will consist of shovel testing employed on a grid of 15 meter transects with shovel tests spaced no more than 15 meters apart on each transect. All excavated sediments will be screened through ¼" hardware mesh. Geographic coordinates and soil stratigraphy will be recorded for each shovel test and representative examples will be photographed. Additional sub-surface testing such as hand augers will be employed if and where deemed necessary by the PI in order to assess the potential for deeply buried archaeological sites.

In addition to sub-surface testing, the ground surface across the parcel will be visually examined on 5 meter transects and with the aid of a metal detector. The location of all historic metal detector hits (i.e. not modern) and any cultural materials observed on the surface will be recorded with a handheld GPS device.

In the event that archaeological materials are encountered on the surface or in shovel tests during the field survey, additional shovel tests will be excavated to delineate the site boundaries. All cultural materials encountered will be collected and labeled for laboratory analysis and prepared for curation.

Report Production

KBAC will prepare a report of findings according to the *Guide to Archaeological Survey, Assessment, and Reports*. The report will summarize results of the fieldwork and, based on information from the literature review, will integrate these findings into the known cultural history of the area. The report will also contain preliminary assessment of eligibility for listing on the National Register of Historic Places for any archaeological sites documented during survey. Finally, archaeological site forms will be prepared or updated, for all resources documented during the field survey and these will be submitted to Kansas Historical Society.

BUDGET

KBAC will fulfill the above detailed Archaeological Survey for a total cost of **\$16,928**. Please see the attached budget sheet for an itemized listing of rates of service and expenses necessary to complete the scope of work as outlined above.

KB Archaeological Consulting
Budget for Archaeological Survey

December 14, 2021
prepared for City of Arkansas City, Kansas

RATES	Background Research	Field Survey	Lab / Curation	Report Preparation	Total Hours	Total Rates
Principal Investigator (\$80/hr)	16	32	0	40	88	\$7,040.00
Field Technician (\$37/hr)	0	96	24	0	120	\$4,440.00
Rates Total						\$11,480.00
COSTS						Total Costs
Lodging						\$1,920.00
Vehicle rental/gas/tolls						\$1,500.00
Field Equipment fee						\$400.00
Laboratory Supplies						\$130.00
Artifact Curation						\$350.00
Costs Total						\$4,300.00
Rate Total						\$11,480.00
Costs Total						\$4,300.00
Overhead @ 10%						\$1,148.00
Project Total						\$16,928.00