



March 27, 2015

Johnny Grimaldo, CPPB, Purchasing Agent  
Tom Green County  
113 West Beauregard  
San Angelo, TX 76903

**Re: CMEC Proposal for Archeological Services to Support Grape Creek Water Improvements, Tom Green County, Texas**

Dear Mr. Grimaldo:

Cox|McLain Environmental Consulting, Inc. (CMEC) is pleased to submit this proposal to provide archeological field and reporting services to support approximately 5.5 miles of water pipeline installation and the construction of a water treatment plant covering two acres or less. CMEC understands the work will be funded by grants from the Texas Department of Agriculture that may include federal contributions, potentially rendering the project subject to both the Antiquities Code of Texas and Section 106 of the National Historic Preservation Act, as amended (NHPA).

**Scope of Work—Archeological Survey:** CMEC cultural resources personnel will conduct database searches of the public and restricted versions of the Texas Historical Commission's (THC) Sites Atlas to identify previously documented archeological sites, cemeteries, historical markers, properties and districts listed on the National Register of Historic Places (NRHP), and State Antiquities Landmarks (SALs). Results of the search will be integrated with soil information, topographic maps, aerial photographs, and other data sources to apply for a Texas Antiquities Permit on behalf of the County. After a valid permit number is obtained, field investigations will be conducted at the Phase I intensive-survey level (Category 6 under 13 TAC 26.15). Because the North Concho-Mule Creek confluence is a known prehistoric occupation zone with at least two large, previously recorded sites (41TG3 and 41TG4) in association with deep alluvial sediments, the study will include backhoe trenching as well as pedestrian survey and judgmental shovel testing. Field methods will comply with the requirements of 13 TAC 26, as elaborated by the THC and the Council of Texas Archeologists (CTA). In addition, this investigation will evaluate archeological resources for their potential eligibility for inclusion in the NRHP per Section 106 (36 CFR 800) of the National Historic Preservation Act of 1966, as amended, or designation as a SAL under the provisions of the Texas Antiquities Code (13 TAC 26.12). Reporting of results, including preliminary NRHP/SAL evaluations of any identified archeological resources, will comply with THC and CTA guidelines and will be coordinated with Tom Green County and the THC per the terms of the approved archeological permit.

Assumptions and Exclusions

- Assumes Antiquities Code (state) nexus through County and TDA plus possible Section 106 (federal) nexus through ultimate source of grant funds.
- Assumes total APE length of approximately 5.5 miles and total area of 22 acres or less (based on easement 30 ft wide or less), including 2-acre plant site and two bore sites of 0.1 acres or less each.
- Assumes digital archeological site registration only (discounted fee) and that no paper site form submittals would be required.
- Assumes two days of backhoe trenching required (one day at North Concho crossing, one day along water well locations on river terrace) due to depth of alluvium noted in records for closest known sites (prehistoric sites 41TG3 and 41TG4).



- Assumes private landowner right-of-entry not required and that the project consists of public right-of-way.
- Assumes mixed collection/curation policy: no collection on private land, limited collection (diagnostics only) on public land.
- Assumes County and/or County's contractor negotiates/provides right-of-entry to private lands such that survey of full APE could be completed in one trip.
- Exclusions: ecological/NEPA services; historic standing buildings/structures background or field study at any level; NRHP nominations; HABS/HAER documentation; archeological monitoring, testing, or data recovery; cemetery delineation/scraping; human remains evaluation/coordination/removal. All excluded services could be provided under separate scope/budget.

The archeological services will be completed for a fee of **\$19,453**, to be billed on a **percent-complete** basis. Please see the attached spreadsheet for a detailed breakdown of costs. The fee would be reduced by \$3,000 if the County supplied an appropriate backhoe, trackhoe, or Gradall and operator for two full work days.

CMEC greatly appreciates the opportunity to submit this proposal. Please feel free to contact me at 512-338-2223 or [chris@coxmcclain.com](mailto:chris@coxmcclain.com) if you have any questions.

Sincerely,

Chris Dayton, PhD, RPA  
Cox|McLain Environmental Consulting, Inc.

The above proposal is accepted.

TOM GREEN COUNTY

By:   
 Its: County Judge  
 Date: 4-14-15

COX | MCLAIN ENVIRONMENTAL  
CONSULTING, INC.

By:   
 Its: Principal  
 Date: 3-27-2015

**Tom Green County - Grape Creek Water Improvements - Archeological Resources Permit Coordination and Survey**  
**Cox|McLain Environmental Consulting, Inc.**

**LABOR**

Description	Sr. Env. Scientist	Env. Scientist	Env. Prof./ History PI	Env. Prof./ Archeo PI	Env. Staff II/ GIS Analyst	Env. Staff I/ Project Arch	Env. Tech II/ Tech Editor	Env. Tech I	Totals
	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours	Hours
<b>Task 1</b> Research Design/Permit Coordination	1	0	0	6	2	4	1	0	14
<b>Task 2</b> Pre-field Preparation	0	0	0	2	6	2	0	0	10
<b>Task 3</b> Field Investigations	0	0	0	32	0	32	0	32	96
<b>Task 4</b> Interim and Draft Report Preparation/Editing, QC	1	0	0	20	12	20	1	0	54
<b>Task 5</b> Agency Review and Comment Response	1	0	0	2	0	2	0	0	5
<b>Task 6</b> Curation/Final Report Production	0	0	0	6	4	12	1	0	23
<b>Total Labor Hours</b>	3	0	0	68	24	72	3	32	202
<b>Rate</b>	\$125.00	\$110.00	\$80.00	\$81.00	\$65.00	\$60.00	\$55.00	\$42.00	
<b>SUBTOTAL Labor Cost</b>	\$375	\$0	\$0	\$5,508	\$1,560	\$4,320	\$165	\$1,344	\$13,272

**EXPENSES**

	Unit	Quantity	Rate	Total
Backhoe + operator	Day	2	\$ 1,500.00	\$3,000
Mileage (Allowable IRS Rate)	Miles	800	\$ 0.575	\$460
Hotel	Day	9	\$ 130.00	\$1,170
Per Diem	Day	12	\$ 46.00	\$552
Vehicle Rental and Fuel	Day	0	\$ 90.00	\$0
Airfare	R/T	0	\$ 400.00	\$0
Overnight Delivery	Letter	3	\$ 15.00	\$45
Field Supplies	Misc	1	\$ 100.00	\$100
Trimble GPS/Ricoh GPS Camera Use	Day	4	\$ 25.00	\$100
Site registration fee (electronic only)	Site	2	\$ 48.00	\$96
Color Reproduction - Plates	Page	40	\$ 1.00	\$40
Copies - B&W	Page	400	\$ 0.10	\$40
TARL Curation fee	Drawer	0.25	\$ 2,311.00	\$578
<b>TOTAL Non-labor Expenses</b>				<b>\$6,181</b>

**Notes/Assumptions:** Assumes archeological APE consists of approximately 5.5 miles of pipeline route (easement 30 ft wide or less) plus plant site covering 2 acres or less plus two North Concho bore pits covering 0.1 acre or less each, for a maximum APE of approximately 22 acres. Assumes two days of backhoe trenching required (one day at North Concho crossing, one day along water well locations on river terrace) due to depth of alluvium noted in records for closest known sites (prehistoric sites 41TG3 and 41TG4). Assumes Antiquities Code (state) nexus through County and TDA plus Section 106 (federal) nexus through ultimate source of grant funds. Assumes APE consists mostly of private land, upon which artifact collection would not be required, with limited collection on public land (e.g., existing road ROW). Assumes County and/or County's contractor negotiates/provides right-of-entry to private lands such that survey of full APE could be completed in one trip. Exclusions: ecological/NEPA services, historic standing buildings/structures field study at any level, NRHP nominations, HABS/HAER documentation, archeological monitoring, testing, or data recovery, cemetery delineation/scraping, human remains evaluation/coordination/removal. All excluded services could be provided under separate scope/budget. Fee would be reduced by \$3,000 if County provided appropriate backhoe, trackhoe, or Gradall plus operator for two days.

**TOTAL COSTS - CMEC** **\$19,453**