

Exhibit S.

South Morgan Site

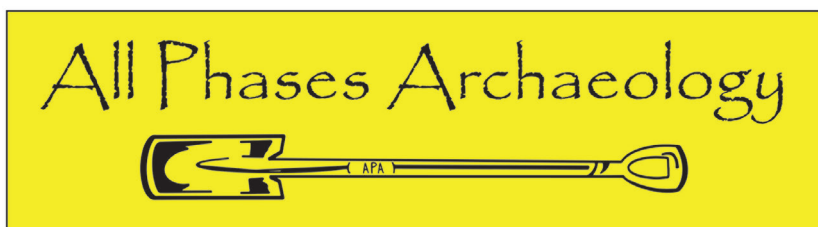
Desktop Cultural

Resources Analysis



South Morgan Site

Desktop Cultural Resources Analysis



June 4, 2024

Emile Lege
One Acadiana
804 E St. Mary Boulevard
Lafayette, Louisiana 70503

Mr. Lege,

All Phases Archaeology, LLC (APA) provides the following information concerning the requested Cultural Resources literature review for the South Morgan Site project located in Lafayette Parish, Louisiana:

The approximate 21.2 acre project area lies south of Interstate 10, west of U.S. Highway 90 on the north side of Ambassador Caffery Parkway in Broussard, Lafayette Parish, Louisiana (Figure 1). The project area is found within Section 33 in Township 10 South, Range 5 East as seen on the 1999 Broussard, LA 7.5' USGS series topographic quadrangle (Figure 2).

A literature and document search was conducted in order to gather pertinent background information regarding the subject property and its surroundings. This research included an online query of the Louisiana Division of Archaeology (LDOA) Cultural Resource Viewer (LDOA 2024) and the National Register of Historic Places (NRHP) (National Park Service 2024).

Research of the site files (LDOA 2024) identified four previously recorded archaeological sites (Table 1) and eight documented cultural resource reports (Table 2) within a mile of the proposed study area (see Figure 2). Two of the surveys, 22-0366 and 22-1927-1, intersect with the proposed project area. Background research revealed four recorded historic resources (Table 3) within a mile of the study area (see Figure 2). An examination of the NRHP online files identified six National Register properties (Table 4) within the one mile search radius (see Figure 2). None of these resources are located directly within the proposed project area.

LDOA# 22-0366. *The Texas-Louisiana Ethylene (TLP) Project* was conducted by Dr. William McIntire in 1978. The investigation was initially performed through helicopter survey. Ground survey was limited to suspect locations. Ground survey included visual survey by car, boat, or foot. Shovel testing and auger boring were employed randomly (McIntire 1978). One new site was revealed during this survey, but it is located over a mile from the study area. This survey overlaps with the southern boundary of the proposed project area.

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Figure 1. Aerial image of the project area.

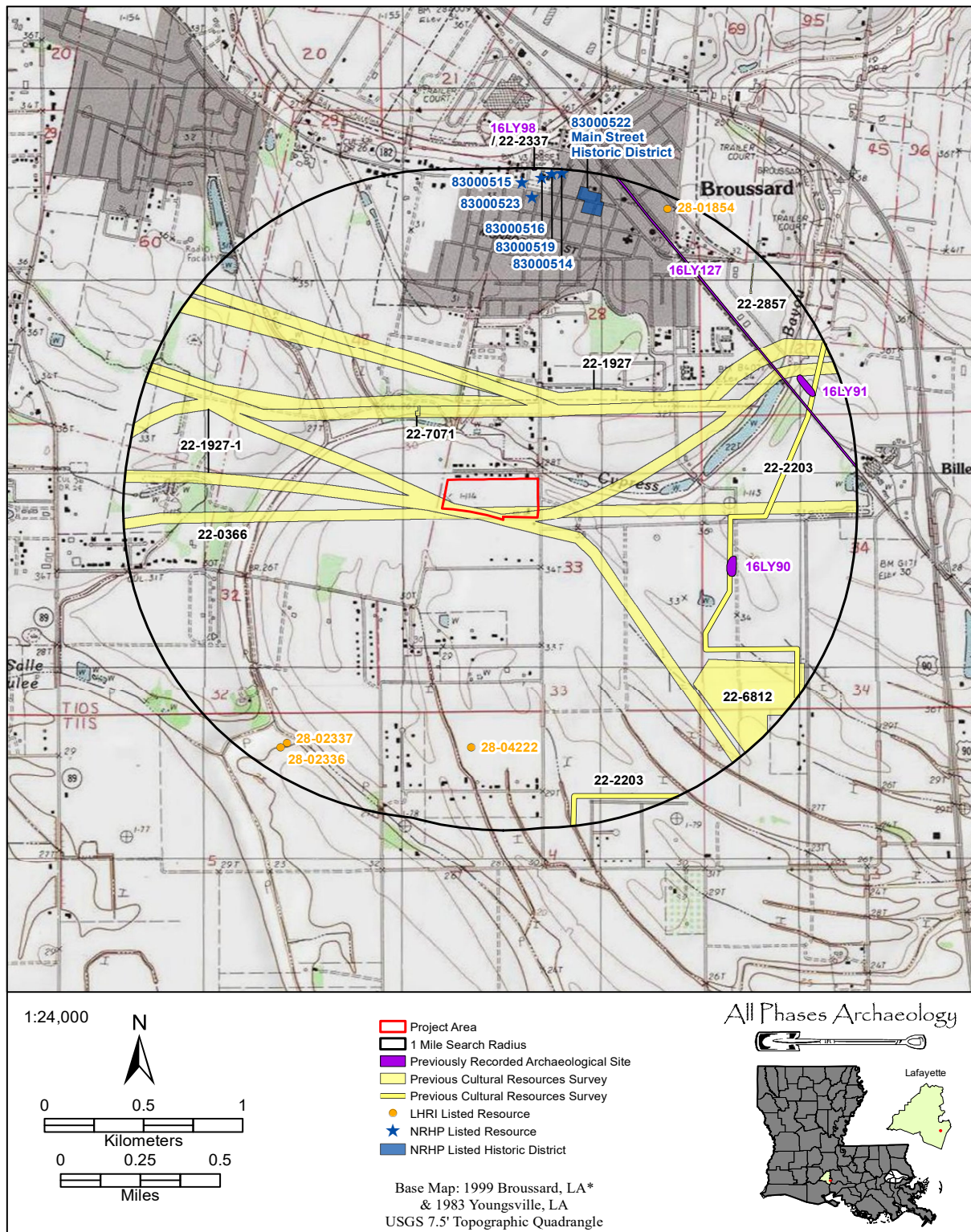


Figure 2. Map showing previously recorded archaeological sites, cultural resource surveys, recorded historic resources, and NRHP-Listed properties within a one-mile search radius as seen on the 1999 Broussard, LA 7.5' topographic quadrangle.

Table 1. Previously recorded sites within one mile of the proposed project area.			
Site Number	NRHP Status	Site Name/Components	Recorder/Year
16LY90	Unknown	Early 20th Century	Jennifer Walter 1998
16LY91	Unknown	Early 19th century to the Modern period	Jennifer Walter 1998
16LY98	Ineligible	Sacred Heart Cemetery	Chip McGimsey 1999
16LY127	Unknown	Southern Pacific Railroad 1880s-1950s	Wm. Matthew Tankersley 2009

Table 2. Previous surveys within one mile of the proposed project area.		
Survey Number	Report Title	Author and Year
22-0366	<i>The Texas-Louisiana Ethylene (TLP) Project</i>	William G. McIntire 1978
22-1927-1	<i>Addendum to Beyond the River and the Ridge: Cultural Resources Investigations of Ambassador Caffery Parkway, Lafayette Parish, South-Central Louisiana, Alternates C, D, G, K, and L</i>	Jon L. Gibson & C.A. Brasseaux 1997
22-2203	<i>Phase I Cultural Resources Survey and Archaeological Inventory of the Proposed Tends Breaux Bridge System Pipeline Project, Vermilion, Lafayette, and St. Martin Parishes, Louisiana</i>	William P. Athens 1999
22-2337	<i>Marksville (16AV1), Lake Anacoco, and the Chenier Plain: Explorations of Southwest Louisiana Prehistory, Regional Archaeology Program, Management Unit III 1998/1999 Annual Report</i>	Charles R. McGimsey, H. Edwin Jackson, Katherine M. Roberts and James Herbert 1999
22-2857	<i>Reconnaissance Archaeological Survey for the Proposed DT Broussard Communications Tower in Lafayette Parish, Louisiana</i>	Mark Rees 2006
22-6812	<i>A Phase I Cultural Resources Survey of the Proposed AC Commercial Site, Lafayette Parish, Louisiana</i>	Lucinda Freeman 2021
22-7071	<i>Cultural Resources Assessment of the US-LA-5393 South Broussard Cellular Communications Tower Lafayette Parish, Louisiana</i>	Chelsea Riley-Starr and Mckenna Douglass 2022

Table 3. Recorded historic resources within one mile of the project area.			
LHRI No.	Description	Architectural Style	Year Built
28-01854	Pyramidal cottage	Queen Anne	circa (c.) 1900
28-02336	Gable front Barn	Vernacular (Unusual)	19th or 20th century
28-02337	Hall and Parlor	Folk National	19th or 20th century
28-04222	Ranch	Modern Ranch	c. 1998

Table 4. NRHP-Listed properties within one mile of the project area.			
NRHP No.	Resource Name	Description	Year Built
83000514	Alesia House	Queen Anne Revival/Colonial Revival	circa (c.) 1900
83000515	Billeaud House	Queen Anne Revival/Colonial Revival	c. 1907
83000516	Martial Billeaud, Jr. House	Queen Anne Revival/ Second Empire	1893
83000519	DeBaillon's Pharmacy/ Ducrest Building	Italianate Commercial	1903
83000522	Main Street Historic District	Queen Anne Revival/Italianate Commercial/ Vernacular Commercial	1890-c. 1910
83000523	Roy Leblanc House	Italianate	1886

LDOA# 22-1927-1, *Addendum to Beyond the River and the Ridge: Cultural Resources Investigations of Ambassador Caffery Parkway, Lafayette Parish, South-Central Louisiana, Alternates C, D, G, K, and L* was conducted by Sellers and Associates in 1997. The survey covered five new alternates for the extension of Ambassador Caffery Parkway. The project covered 67 acres. For the investigation, 49 percent of the project area received land owner permission for entry. These areas were subject to visual inspection with shovel testing reserved for areas deemed to have a high probability of yielding cultural material. Shovel tests, where conducted, were spaced at 30-m intervals. The survey led to the discovery of one new archaeological site (Gibson and Brasseaux 1997). The site is located over a mile from the proposed project area. A portion of one of the alternatives overlaps with the southern boundary of the current study area.

Historic maps were reviewed for structures within the proposed project area. The earliest map available is the 1915 Lafayette soil survey map, which depicts one structure in the northeast corner of the project area (Figure 3). The 1939 St. Martinsville 15' series topographic map also depicts the structure in the northeast corner of the project area (Figure 4). The 1957 and 1970 St. Martinsville 15' series topographic maps no longer depict this or any other structures within the project area. It is unknown if historic properties exist here. As such, a Phase I Cultural Resources survey is recommended.

As for the Phase I survey, all necessary fieldwork would be directly supervised by a RPA-certified archaeologist who meets or exceeds the profession qualifications specified by the LDOA Guidelines as well as the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation. All of our team's activities will adhere to the guidelines of the LDOA, National Environmental Policy Act, and the National Historic Preservation Act.

The field survey will document all cultural resources within the Area of Potential Effect (APE), especially archaeological sites, cemeteries, and historic structures/features. The specific goals of the survey will be to: 1) describe the distribution of cultural resources within the APE; 2) determine the location and condition of cultural resources, especially regarding potential NRHP eligibility; 3) determine the types of cultural resources present; 4) classify the types of individual cultural resources present; and 5) record the physical extent of specific resources. In areas where shovel testing is not possible, standard archaeological techniques will be implemented, especially visual observation of the ground surface.

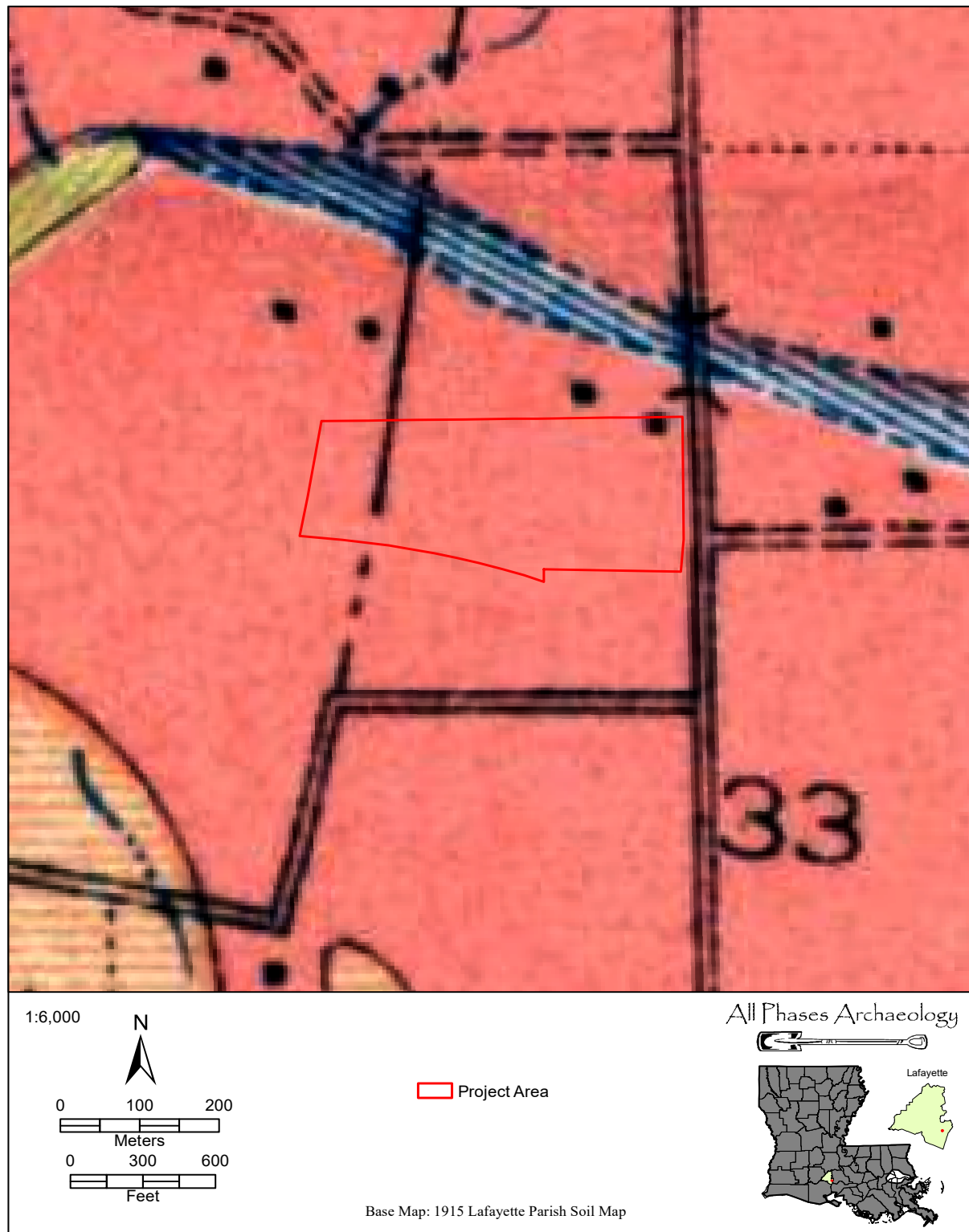


Figure 3. Historic 1915 soil survey map showing a structure within the proposed project area.



Figure 4. Historic 1939 map showing a structure within the proposed project area.

The specific field methodology will include linear transects that will be walked within the survey area with surface investigations and subsurface testing being conducted throughout the process. Field techniques will be centered on pedestrian inspection along systematic transects placed at 30 meter intervals. Shovel testing will be conducted in 30 meter intervals. Handheld GPS units will be used to record the placement of all archaeological sites. Shovel tests measuring 30 cm in diameter will be excavated into subsoil or until water is reached, or to a depth of 50 cm. Soils will be sifted through a 6-mm (1/4-inch) mesh screen to search for cultural materials. Any artifacts that would be recovered during the investigation will be bagged by provenience, and returned to the laboratory for analysis. All shovel tests will be refilled immediately after excavation. No tests will be left open overnight during the course of the proposed Phase I survey.

Following the fieldwork and analysis of laboratory materials and other data, APA will produce a report meeting Louisiana report format guidelines. The report will be of publishable quality, both in format and content. Professionally drafted maps will be included in the report and will be in pdf format. APA will provide bound and digital copies of the final report.

Please feel free to contact me at 205-242-8898 should you have any questions or need for additional information.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Jon Glass'.

Jon Glass, RPA
All Phases Archaeology, LLC

REFERENCES

Gibson, Jon L. and C. A. Brasseaux

1997 *Addendum to Beyond the River and the Ridge: Cultural Resources Investigations of Ambassador Caffery Parkway, Lafayette Parish, South-Central Louisiana, Alternates C, D, G, K, and L*. MDAH# 22-1927-1.

Louisiana Division of Archaeology (LDOA)

2024 Louisiana Archaeological Site Files. Louisiana Division of Archaeology, Baton Rouge, Louisiana. Accessed on May 2024.

McIntire, William G.

1978 *The Texas-Louisiana Ethylene (TLP) Project*. MDAH# 22-0366.

National Park Service

2024 National Register of Historic Places. Department of the Interior, Washington, D.C. Available online at www.cr.nps.gov/nr. Accessed on May 2024.