

TEXAS HISTORICAL COMMISSION

ANTIQUITIES PERMIT APPLICATION FORM
ARCHEOLOGY

GENERAL INFORMATION

I. PROPERTY TYPE AND LOCATION

Project Name (and/or Site Trinomial) Corridor A2 - Segment 1
County (ies) Williamson
USGS Quadrangle Name and Number Taylor (30097-E4)
UTM Coordinates Zone 14 E 648987 m N 3377786 m
Location The project is located from Farm-to-Market Road (FM) 973 to County Road (CR) 406, south of Taylor, in Williamson County, Texas
Federal Involvement Yes No
Name of Federal Agency USACE Forth Worth District
Agency Representative Arlo McKee

II. OWNER (OR CONTROLLING AGENCY)

Owner Williamson County
Representative County Judge Steven Snell
Address 710 South Main St., Suite 101
City/State/Zip Georgetown, TX 78626
Telephone (include area code) 512-943-1550 Email Address ctyjudge@wilco.org

III. PROJECT SPONSOR (IF DIFFERENT FROM OWNER)

Sponsor Same as owner
Representative _____
Address _____
City/State/Zip _____
Telephone (include area code) _____ Email Address _____

PROJECT INFORMATION

I. PRINCIPAL INVESTIGATOR (ARCHEOLOGIST)

Name Joey O'Keefe, M.A.
Affiliation SWCA Environmental Consulting
Address 4407 Monterey Oaks Boulevard, Suite 110, Bldg. 1
City/State/Zip Austin, Texas 78749
Telephone (include area code) 512-476-0891, ext. 111236 Email Address joey.okeefe@swca.com

ANTIQUITIES PERMIT APPLICATION FORM (CONTINUED)

II. PROJECT DESCRIPTION

Proposed Starting Date of Fieldwork October 2025
Requested Permit Duration 5 Years Months (1 year minimum)
Scope of Work (Provided an Outline of Proposed Work) See attached scope of work

III. CURATION & REPORT

Temporary Curatorial or Laboratory Facility SWCA on-site facilities, Austin, Texas
Permanent Curatorial Facility Center for Archaeological Research at UT in San Antonio

IV. LAND OWNER'S CERTIFICATION

I, _____, as legal representative of the Land Owner, _____, do certify that I have reviewed the plans and research design, and that no investigations will be performed prior to the issuance of a permit by the Texas Historical Commission. Furthermore, I understand that the Owner, Sponsor, and Principal Investigator are responsible for completing the terms of the permit.

Signature _____ Date _____

V. SPONSOR'S CERTIFICATION

I, _____, as legal representative of the Sponsor, _____, do certify that I have review the plans and research design, and that no investigations will be performed prior to the issuance of a permit by the Texas Historical Commission. Furthermore, I understand that the Sponsor, Owner, and Principal Investigator are responsible for completing the terms of this permit.

Signature _____ Date _____

VI. INVESTIGATOR'S CERTIFICATION

I, Joey O'Keefe, as Principal Investigator employed by SWCA Environmental Consultant (Investigative Firm), do certify that I will execute this project according to the submitted plans and research design, and will not conduct any work prior to the issuance of a permit by the Texas Historical Commission. Furthermore, I understand that the Principal Investigator (and the Investigative Firm), as well as the Owner and Sponsor, are responsible for completing the terms of this permit.

Signature [Signature] Date 09/08/2025

Principal Investigator must attach a research design, a copy of the USGS quadrangle showing project boundaries, and any additional pertinent information. Curriculum vita must be on file with the Archeology Division.

FOR OFFICIAL USE ONLY

Reviewer _____ Date Permit Issues _____
Permit Number _____ Permit Expiration Date _____
Type of Permit _____ Date Received for Data Entry _____

Texas Historical Commission
Archeology Division
P.O. Box 12276, Austin, TX 78711-2276
Phone 512-463-6096
thc.texas.gov



thc.texas.gov



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

4407 Monterey Oaks Boulevard
Building 1, Suite 110
Austin, Texas 78749
Tel 512.476.0891 Fax 512.476.0893
www.swca.com

September 8, 2025

Rebecca Shelton
Texas Historical Commission
P.O. Box 12276
Austin, Texas 78711-2276

Re: Request for Antiquities Permit to Conduct Cultural Resources Investigations for Corridor A2 - Segment 1 in Williamson County, Texas / SWCA Project No. 87699.009

Dear Rebecca Shelton:

This letter is a request for a Texas Antiquities Permit to conduct cultural resources investigations for the Corridor A2 - Segment 1 in Williamson County, Texas (project). The project consists of ground-disturbing activities associated with the construction of approximately 2 miles (3.2 kilometers) of a new two-lane road within a 350-foot-wide (106.7-meter-wide) right-of-way, totaling 120.3 acres (48.7 hectares) in an area with a maximum depth of impact of 40 feet (12.2 meters). As the proposed project is being undertaken by Williamson County, a political subdivision of the State of Texas, a Texas Antiquities Permit is required in accordance with the Antiquities Code of Texas (Texas Natural Resource Code, Title 9, Chapter 191) and accompanying Rules of Practice and Procedure (Texas Administrative Code, Title 13, Chapter 26).

Because the project crosses waters of the United States under jurisdiction of the U.S. Army Corps of Engineers, Section 106 of the National Historic Preservation Act is applicable to this project. The project may receive federal funding through the Texas Department of Transportation (TxDOT); therefore, historic resources fieldwork will be conducted according to TxDOT documentation standards.

If you have any questions or concerns, please contact me at (512) 476-0891, extension 111236, or Joey.Okeefe@SWCA.com.

Sincerely,

A handwritten signature in black ink that reads 'Joey O'Keefe'.

Joey O'Keefe, M.A.
Principal Investigator

Cc:

Claire Parra, Project Manager
Mitch Ford, Principal Investigator (Architecture/Historic Resources)

PROPOSED SCOPE OF WORK FOR CULTURAL RESOURCES INVESTIGATIONS FOR THE CORRIDOR A2 - SEGMENT 1, WILLIAMSON COUNTY, TEXAS

*Project Landowner and Sponsor – Williamson County
Project Consultant – SWCA Environmental Consultants
Principal Investigator – Joey O’Keefe, M.A.
Architectural Historian – Mitch Ford, M.S.
Date – September 8, 2025*

INTRODUCTION

On behalf of Williamson County (County), LJA Engineering, Inc. (LJA), has retained SWCA Environmental Consultants (SWCA) to conduct cultural resources investigations (archaeological and historic) in support of the Corridor A2 - Segment 1 (project) within Williamson County, Texas (Figure 1). The project consists of ground-disturbing activities associated with the construction of approximately 2 miles (3.2 kilometers [km]) of new location roadway within a 350-foot-wide (106.7-meter [m]-wide) right-of-way (ROW), totaling 120.3 acres (48.7 hectares [ha]) in area (project area) (Figure 2).

As the proposed project is being undertaken by the County, a subdivision of the State, the project will be subject to review under the Antiquities Code of Texas (ACT), and the cultural resources investigation requires a Texas Antiquities Permit. Because the project crosses waters of the United States under jurisdiction by the U.S. Army Corps of Engineers, Section 106 of the National Historic Preservation Act (NHPA) (54 United States Code 306108) and its implementing regulations (36 Code of Federal Regulations [CFR] 800) are applicable to these investigations. The project may receive federal funding through the Texas Department of Transportation (TxDOT); therefore, historic resources fieldwork will be conducted according to TxDOT documentation standards.

SWCA proposes to conduct an intensive archaeological pedestrian survey with systematic shovel testing of the 2-mile-long (3.2-km-long), 120.3-acre (48.7-ha) project area (see Figure 2). The goal of the work will be to identify any previously recorded prehistoric and historic-age archaeological sites in the project area; locate any previously undiscovered archaeological sites; establish vertical and horizontal site boundaries, as appropriate with regard to the project area; and evaluate the significance and eligibility of any site recorded for listing in the National Register of Historic Places (NRHP) and for designation as a State Antiquities Landmark (SAL). All work will be conducted in accordance with the ACT.

Area of Potential Effects

The proposed project area of potential effects (APE) appears on the *Taylor, Texas* (30097-E4), U.S. Geological Survey (USGS) 7.5-minute topographic quadrangle map. The proposed project spans from the Farm-to-Market Road (FM) 973 to County Road (CR) 406 and overlaps with CR 405 near the center of the project area, providing an east to west thoroughfare that connects the three existing roadways. The project area is located within both semi-rural and residentially developed settings in the southern extent of Williamson County, Texas (see Figure 1, Figure 2). The proposed roadway crosses tributaries to Battleground Creek and Boggy Creek, with elevations that range from 535 feet (163 m) above mean sea level at the eastern extent to 610 feet (186 m) above mean sea level at the western extent. The direct APE consists of the proposed ROW and any associated easements, and all parcels within 300 feet of the proposed ROW comprise the indirect APE. The proposed direct APE is the archaeological APE, and the combined APE (direct APE plus indirect APE) is the non-archaeological APE for historic resources investigations per TxDOT documentation standards (TxDOT 2025a).

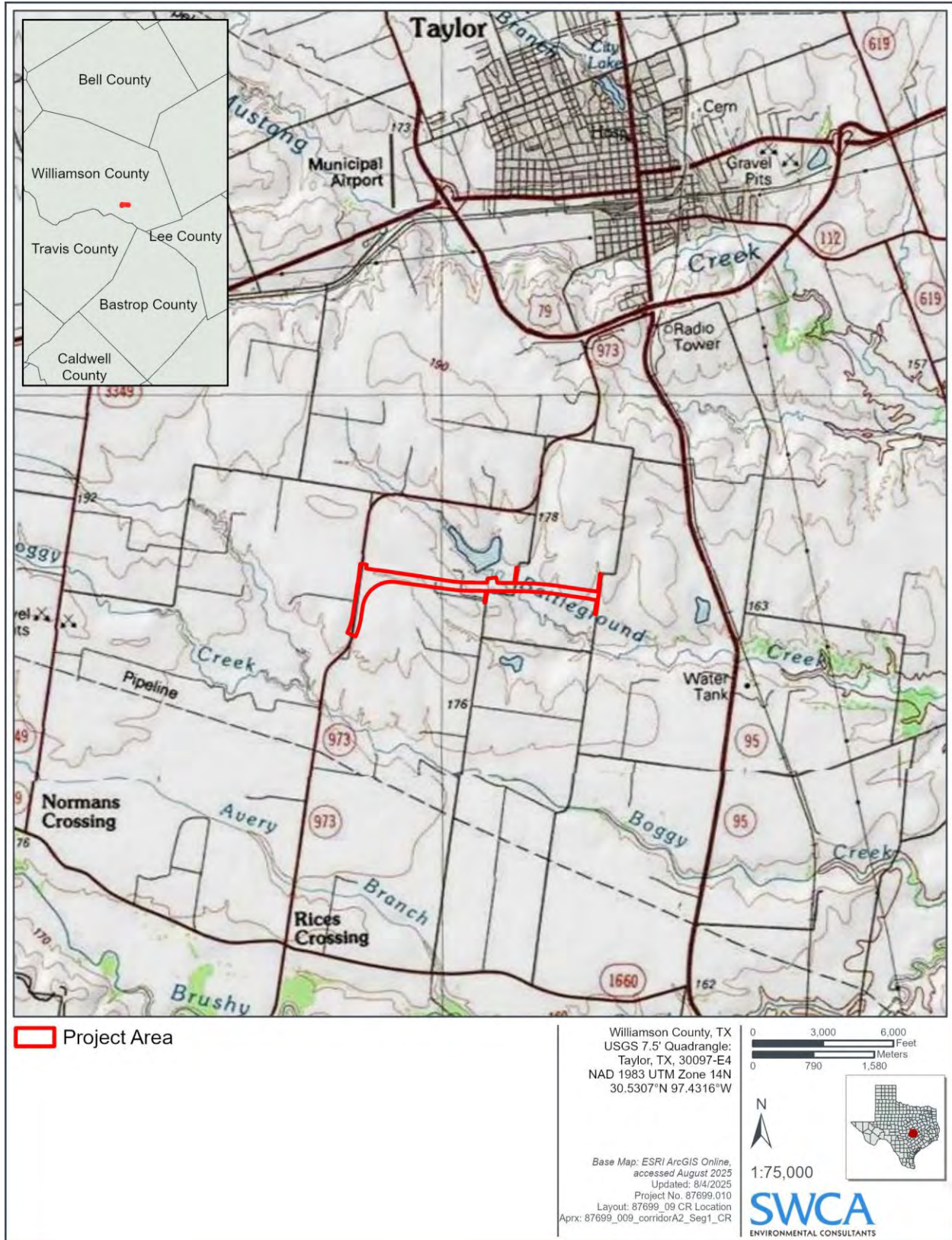


Figure 1. Project location.

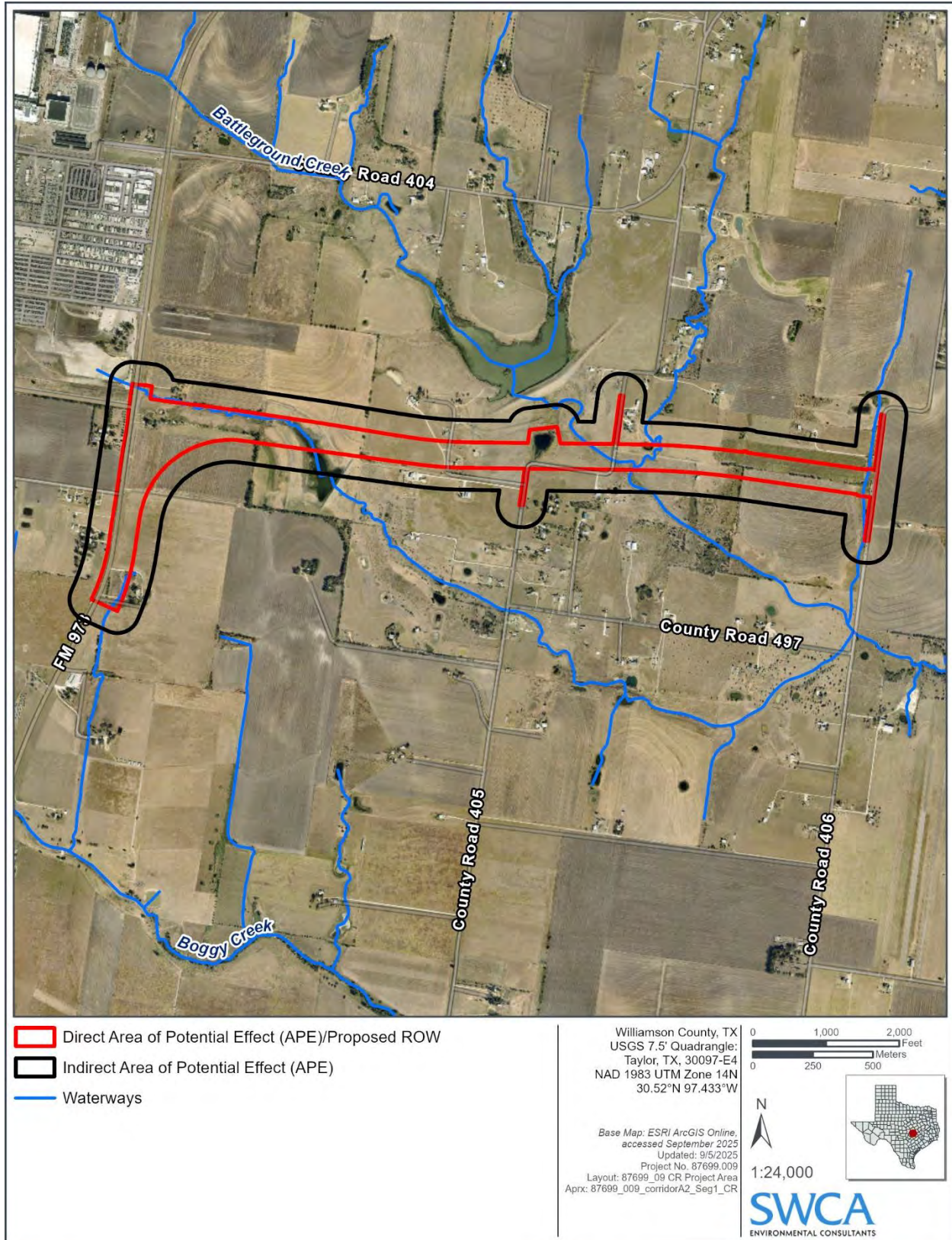


Figure 2. Area of potential effects overview.

PROJECT SETTING

The project area crosses the Northern Blackland Prairie subregion within the Texas Blackland Prairie ecoregion (Griffith et al. 2007). The physiography of the area is generally described as light to moderately dissected, irregular plains with low to moderate gradient streams containing silty, clayey, and sandy substrates. Historically, the landscape of these rolling to nearly level plains consisted of tallgrass prairie vegetation predominantly shaped by frequent fires and bison grazing (Griffith et al. 2007).

Geology

The underlying geology of the project area mainly consists of the Cretaceous-age Upper Taylor Marl formation, as well as the Pleistocene-age High Gravel Deposits (Barnes et al. 1974; USGS 2025a). These formations are composed predominantly of gravels and marls up to 600 feet (182.9 m) thick (Table 1, Figure 3).

Table 1. Geology in the Project Area (listed in order of prevalence)

Symbol	Name	Period	Epoch or Series	Group	Acres	Percentage of the Project Area
Kknm	Navarro Group and Marlbrook Marl ("upper Taylor marl")	Cretaceous	Gulfian	Taylor Group	67.2	55.9
Qhg	High Gravel Deposits	Quaternary	Pleistocene	N/A	53.1	44.1
Total					120.3	100.0

Sources: Barnes et al. (1974); USGS (2025a)

Soils

According to the Natural Resources Conservation Service (NRCS) (2019), seven soil series are mapped within the project area (Table 2; see Figure 3). These soils are mainly derived from calcareous materials and mudstones and have recorded A horizons that terminate between 3.1 and 18.1 inches (8–46 centimeters [cm]) below surface.

Three different mapped units of the Branyon soil series (BrA, BrB, BrkB) are present within 56.1% (69.9 acres [28.3 ha]) of the project area (see Table 2). In general, the Branyon series consists of moderately well-drained, very slowly permeable soils that are very deep over indurated limestone bedrock. These nearly level to very gently sloping soils formed in calcareous clayey alluvium derived from Pleistocene mudstone. This soil occurs on treads of stream terraces on river valleys. Slopes range from 0 to 15 percent (NRCS 2019). The soils and geologic data together suggest the project area has a low to moderate potential to contain buried cultural materials.

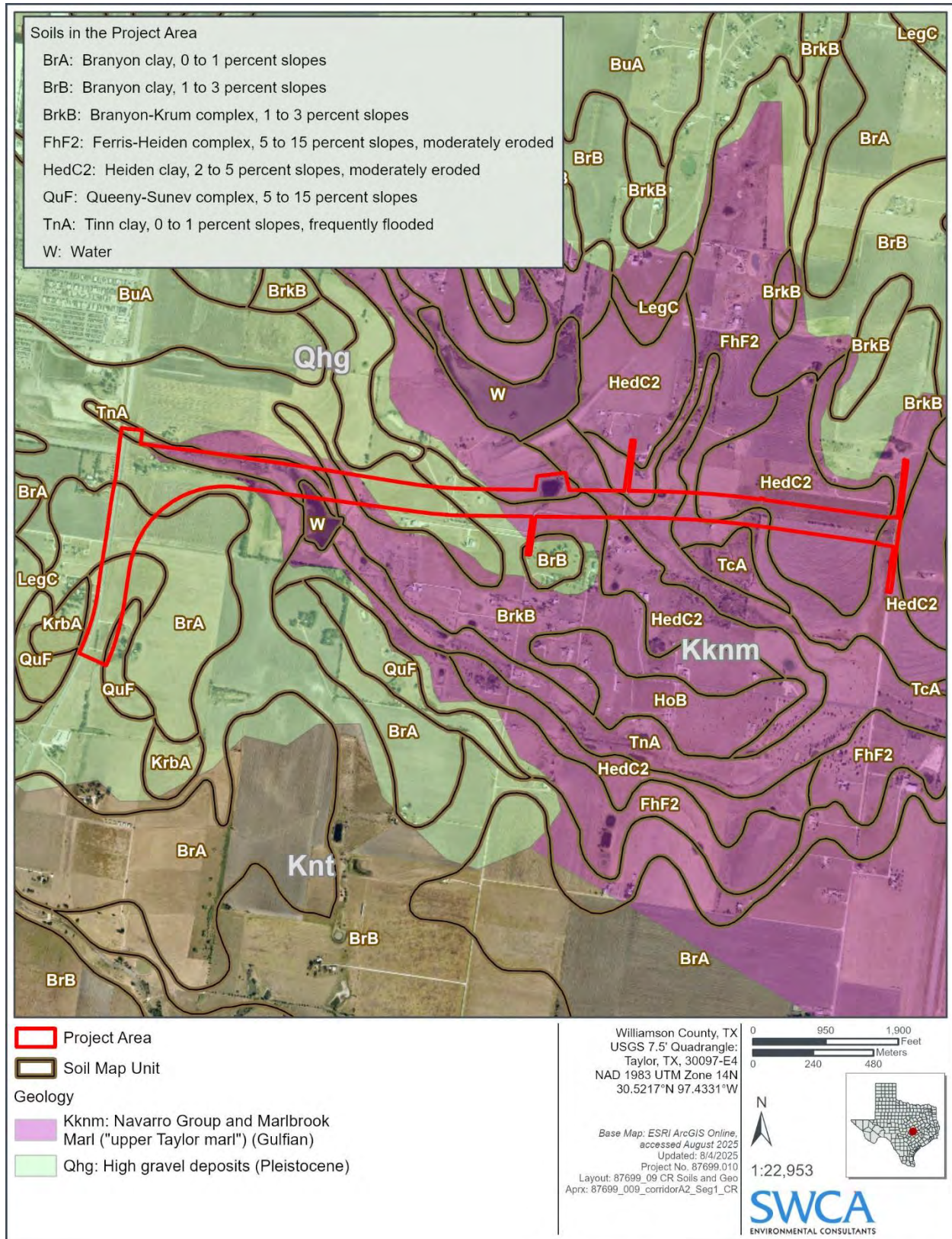


Figure 3. Geology and soils in the project area.

Table 2. Soils in the Project Area (listed in order of prevalence)

Symbol	Name	Age/Formation/Parent Material	Acres	Percentage of the Project Area
BrB	Branyon clay, 1 to 3 percent slopes	Pleistocene/calcareous clayey alluvium/mudstone	42.5	35.3
TnA	Tinn clay, 0 to 1 percent slopes	Calcareous clayey alluvium	20.0	16.6
HedC2	Heiden clay, 2 to 5 percent slopes	Clayey residuum/mudstone	17.6	14.6
FhF2	Ferris-Heiden complex, 5 to 15 percent slopes	Clayey residuum/calcareous mudstone	15.1	12.6
BrkB	Branyon-Krum complex, 1 to 3 percent slopes	Pleistocene/calcareous clayey alluvium/mudstone	14.3	11.9
BrA	Branyon clay, 0 to 1 percent slopes	Pleistocene/calcareous clayey alluvium/mudstone	8.9	7.4
QuF	Queeney-Sunev complex, 5 to 15 percent slopes	Cretaceous/calcareous alluvium/shale, claystone, siltstone, chalk	1.0	0.8
W	Water	N/A	1.0	0.8
Total			120.3	100.0

Source: NRCS (2019)

BACKGROUND REVIEW

An SWCA archaeologist performed a background review in July 2025 of cultural resources within a 0.6-mile (1.0-km) buffer surrounding the project area (study area) (Figure 4). The review included assessment of a 1,300-foot historic resources survey study area per TxDOT standards (TxDOT 2025a). SWCA reviewed the Texas Archeological Sites Atlas (Atlas), a restricted, online database maintained by the Texas Historical Commission (THC) and the Texas Archeological Research Laboratory, for any previously conducted archaeological surveys and previously recorded historic-age or prehistoric archaeological sites located in or near the project area (THC 2025a). The Atlas also provides data on NRHP properties and districts, SALs, Official Texas Historical Markers (OTHMs), Protected Areas Database of the United States (PAD US), cemeteries, historic trails, and local neighborhood surveys. Listings are limited to projects under purview of the ACT or the NHPA of 1966; therefore, all previous work conducted in an area may not be available. The background review included a review of the TxDOT Historic Resources Aggregator (Aggregator), which maps resources and districts determined eligible for the NRHP, National Historic Landmarks (NHLs), Recorded Texas Historic Landmarks (RTHLs), and local/potential historic districts (TxDOT 2025b). The Aggregator also has a data set for the 1936 Texas Centennial Markers, which are eligible for the NRHP under Criterion A for Social History in the *Monuments and Buildings of the Texas Centennial Multiple Property Submission Documentation Form* (TxDOT 2025b; Wilson and Smith 2018). SWCA also reviewed the project and study areas for Family Land Heritage (FLH) Centennial Farms identified by the Texas Department of Agriculture (TDA), cemetery locations on Find a Grave's (2025) online database, and relevant locations in the Texas Freedom Colonies Project (TDA 2025; Texas Freedom Colonies Project 2025).

As part of the review, SWCA also examined the TxDOT Historic Overlay, a mapping/geographic information system (GIS) data set with historical maps and resource information covering most portions of the state (Foster et al. 2006), historical USGS quadrangle maps available on the USGS TopoView

website (USGS 2025b), and historical aerial photography contained on the Nationwide Environmental Title Research (NETR) Historic Aerials website (NETR 2025) to determine if any potential historical aboveground resources (PHRs) and/or features are located within the project and study areas.

The review determined that eight previously conducted cultural resources investigations, one previously recorded archaeological site, and two TDA Centennial Farms are within the study area (see Figure 4) (TDA 2025; THC 2025a). Three of the cultural resources investigations intersect the project area (THC 2025a). Additionally, a total of 76 PHRs are within the study area; four intersect the project area, and an additional 10 are located within 300 feet (91.4 m) of the project area.

No SALs, NHLs, NRHP-listed or -eligible properties, RTHLs, OTHMs, PAD USs, local historic districts, known cemeteries, vicinity cemeteries, or recorded freedom colonies were identified within the project or study areas (see Figure 4) (THC 2025a; TxDOT 2025b).

Previous Cultural Resources Surveys

The background review determined that eight previously conducted archaeological surveys have been conducted within the study area, three of which intersect the project area (Table 3; see Figure 4) (THC 2025a). The surveys were conducted between 1980 and 2020.

No Texas Antiquities Permit numbers are available for the three previous investigations that intersect the project area, and limited contextual information is available on the Atlas. No archaeological sites were recorded during the investigations (THC 2025a). None of these surveys were aboveground/historic resources surveys.

Table 3. Previous Cultural Resources Surveys within the Study Area

Survey Date	Location	Sponsor / Agency	Investigating Firm	THC Atlas Number	ACT Permit	Sites Recorded within Study Area
1980	Within study area	Soil Conservation Service	–	8500004705	–	None
1980	Intersects project area	Soil Conservation Service	–	8500004706	–	None
1993	Within study area	Federal Highway Administration	–	8500004701	–	None
1993	Within study area	Federal Highway Administration	–	8500004702	–	None
1994	Intersects project area	Federal Highway Administration	–	8400004331	–	None
2009	Intersects project area	National Resource Conservation Service	NRCS	8500015623	–	None
2020	Within study area	United States Army Corps of Engineers, City of Hutto	Integrated Environmental Solutions, LLC	8500081970	9197	None
2020	Within study area	City of Hutto	Integrated Environmental Solutions, LLC	8500082304	9197	None

Source: THC (2025)

Note: Bold rows indicate previously conducted surveys within project area.

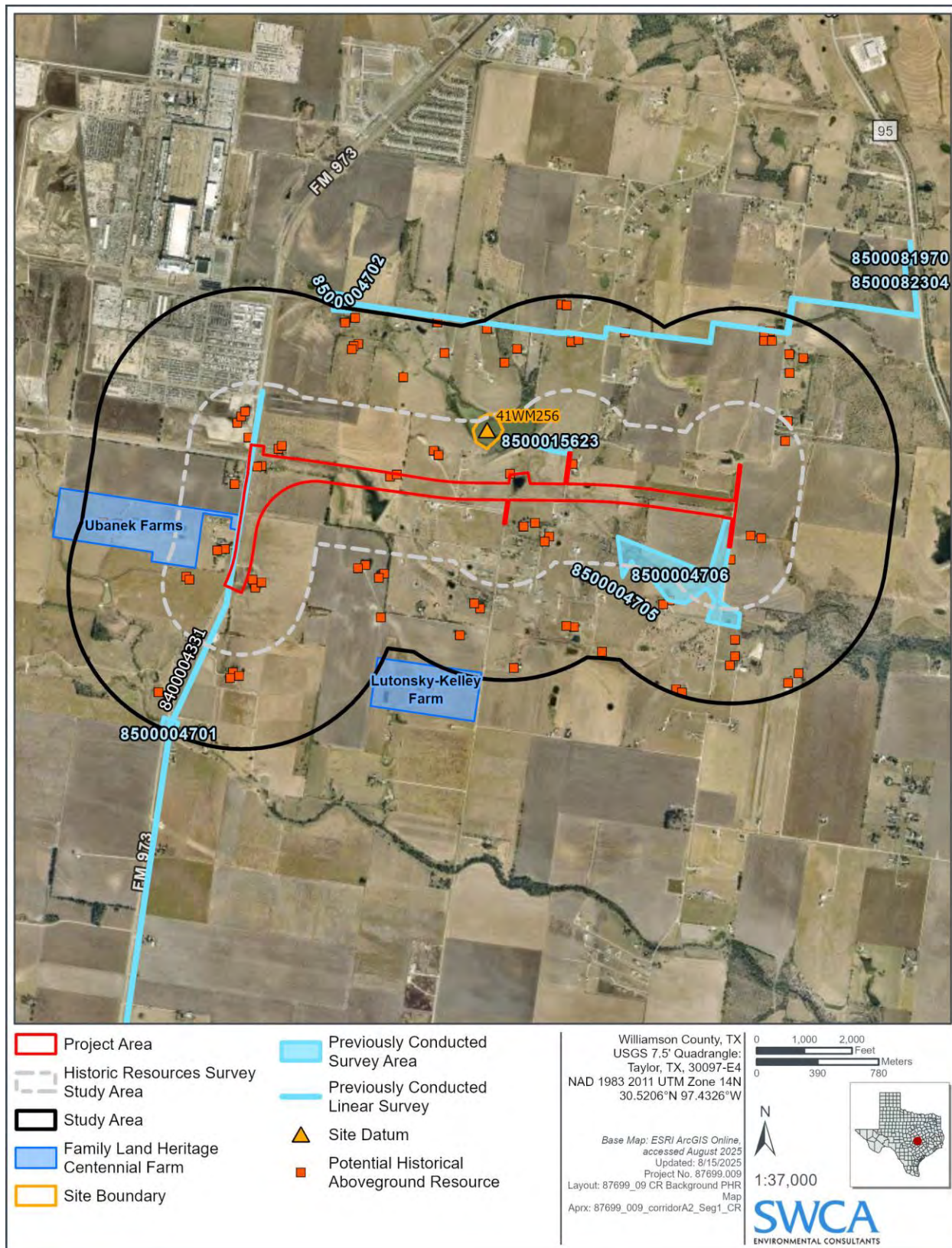


Figure 4. Cultural resources background review results map.

Previously Recorded Archaeological Sites

One archaeological site (i.e., 41WM256) is located within the study area (see Figure 4) (THC 2025a). Site 41WM256 was originally recorded in 1973 and is approximately 700 feet (214 m) north of the proposed project area, and north and east of CR 405. Based on artifacts observed at the site and collected by various landowners, the site was determined to be associated with the Archaic period (Prikryl 1973). Artifacts include Darl, Fairland, Castroville, and Marshall type projectile points, as well as preforms, gouges, scrapers, and debitage. The rimsherd of a ceramic vessel was also reportedly recovered from the site by a landowner (Prikryl 1973). The southern portion of the site extends across both sides of Battleground Creek and likely extended to the property immediately to the north. The site is presently almost entirely underwater, as a flood control dam was constructed on Battleground Creek soon after the site was documented. No determination of eligibility has been made for the site; therefore, the site is considered undetermined with regard to NRHP eligibility (THC 2025a). While this site is well outside the currently defined project area, it is noted that all sites with undetermined NRHP eligibility warrant avoidance or further investigations.

Centennial Farms

There are two Centennial Farms (i.e., Urbanek Farms and Lutonsky-Kelley Farm) within the study area (see Figure 4) (TDA 2025). Urbanek Farms is located off Urbanek Farm Road approximately 0.5 mile (0.8 km) west of CR 973 and 0.3 mile (0.5 km) south of Samsung Highway. Modern aerial imagery indicates the main house has six associated outbuildings (NETR 2025). Lutonsky-Kelley Farm straddles the study area and areas outside the study area to the south of the proposed project. Current aerial imagery indicates there are two houses and nine outbuildings in the agricultural complex (NETR 2025).

Historical Map Review

Archaeologists reviewed maps and aerial images dating from 1885 to 1964 to determine if any resources are within the project area (Foster et al. 2006; NETR 2025; USGS 2025b). SWCA identified 75 PHRs within the study area, four of which are within the project area, and 10 PHRs within 300 feet (91.4 m) of the project area (see Figure 4). The PHR inventory did not include any data structure type. Most of these PHRs are likely associated with historic structures related to agriculture.

PROPOSED SCOPE OF WORK

SWCA proposes an intensive archaeological survey and a reconnaissance-level historic resources survey for this project. Each investigation methodology is discussed below.

Intensive Archaeological Survey

Once a Texas Antiquities Permit has been obtained, SWCA will conduct an archaeological field survey of the 2-mile-long (3.2-km-long), 120.3-acre (48.7-ha) project area. The field survey will be performed by a team of two SWCA archaeologists walking the proposed project area. SWCA archaeologists will survey 30-m-wide transects along the project area, examining the ground surface for artifacts and features. The survey will be of sufficient intensity to determine the nature, extent, and, if possible, potential significance of any cultural resources located within the proposed project area. Subsurface explorations will be accomplished through shovel testing. The placement and quantity of these excavations will depend on the level of disturbance within the proposed project boundary and the nature of the soils, geology, and topography.

Shovel tests will be 12 inches (30 cm) in diameter and excavated in arbitrary 8-inch (20-cm) levels to 31 inches (80 cm) below surface unless the bottom of Holocene deposits in depositional areas, subsoil in upland areas, or bedrock are encountered which preclude reaching that depth. The matrix will be screened through ¼-inch mesh. The location of each shovel test will be plotted using a submeter-accurate GPS receiver, and each test will be recorded on appropriate project field forms. Shovel tests will be excavated according to Council of Texas Archeologists (CTA) standards (2020) promulgated by the THC. For linear projects, the THC/CTA fieldwork standards require a minimum of 16 shovel tests per mile of 30-m-wide survey corridor; this equates to no fewer than 128 shovel tests within the proposed project area. Areas with previously recorded sites or other cultural resources revealed in the archival research will require additional shovel testing to explore the nature of the cultural deposits, per CTA standards (CTA 2020).

Potential Deep Testing Area Review

An SWCA geoarchaeologist reviewed the project area to determine if deep mechanical investigations (i.e., backhoe trenching) are warranted and, if so, to what extent. The soils, geology, and lack of significant terrace development along the adjacent first-order creek in the project area precludes the likelihood of intact, deeply buried cultural deposits; therefore, deep testing investigations are not warranted within the project area, as currently defined. In the event that shovel test excavations determine the potential for cultural deposits deeper than 31 inches (80 cm) below surface, SWCA will make recommendations for any areas that require deep testing (i.e., backhoe trenching). If deep testing is determined to be necessary, an ACT permit amendment detailing this proposed methodology will be submitted to the THC for review and approval.

Site Documentation

If an archaeological site is encountered during the investigation, it will be explored as much as possible with consideration to land access constraints. All recorded sites will be mapped in detail and plotted on USGS 7.5-minute topographic quadrangle maps with a handheld, submeter-accurate GPS unit and appropriate project maps for planning purposes. All identified sites will be assessed regarding potential significance so that recommendations can be made for property management (i.e., avoidance, non-avoidance, or further work). Existing standing structures more than 45 years in age in the project area will be photographed and documented. A review of historical aerial maps will be conducted, and a preliminary assessment of the structures will be conducted by a Secretary of the Interior (SOI)-qualified architectural historian to determine their potential significance and age. The analysis will follow National Park Service (NPS) guidelines (Little et al. 2000; NPS 1983).

All identified cultural resources will be delineated and recorded following CTA standards (2020) promulgated by the THC. An archaeological site is defined as physical evidence of human activity that is at least 50 years old and contains, or are characterized by one or more of the following criteria:

- Ten or more artifacts (of any class and type) within a 50-foot (15-m) diameter area. Fire-cracked rock or artifacts that all appear to originate from a single source (e.g., one ceramic pot drop, one broken glass bottle) are not considered a site; however, discrete, single knapping episodes (activity areas) are also treated as a site.
- One or more datable archaeological features (with or without associated artifacts).
- Two or more undatable archaeological features within 100 feet (30.5 m) of each other.
- A single undatable feature with associated artifacts.

If an archaeological site is identified during the investigation, SWCA will delineate the site according to CTA standards (CTA 2020). Cultural manifestations observed greater than 100 feet (30.5 m) apart will be

considered spatially unrelated, and cultural materials that do not fit within the archaeological site criteria will be considered Isolated Occurrences. As such, occurrences will be recorded noting the type and quantity of materials, as well as the size and shape of any features, architectural/construction details, possible function, and any potential relationship to nearby cultural materials. Additionally, guidelines set forth by the THC's *Guidance for Studying Late 19th-century and Early 20th-century Sites* (THC 2025b) will be followed for any historic-age sites documented within the project area.

SWCA proposes a non-collection survey. Artifacts will be tabulated, analyzed, and documented in the field but not collected. Temporally diagnostic artifacts will be described in detail and photographed in the field. This policy will reduce curation costs once the fieldwork is concluded; however, as per the stipulations of the Texas Antiquities Permit, all paperwork and photographs generated during the field investigation must be curated at an approved repository.

The following procedures will be initiated in the event unanticipated human remains are discovered. Should human remains be encountered during construction, work in the immediate area will cease, and the archaeological survey crew and Principal Investigator will evaluate the finding(s) and provide recommendations for how to manage the resource under Texas Health and Safety Code and Chapter 49 of the Texas Code of Criminal Procedure. Upon discovery of human remains by the Principal Investigator, the appropriate law enforcement officials, representatives from Williamson County, and the THC will be notified immediately. In all cases, the location will be immediately secured with all work to cease within the project area and a buffer zone of at least a 100-foot (30.5-m) radius from the discovery. Any human remains will be carefully covered with muslin fabric, geotextile and lightweight plastic sheeting, and reburied under a shallow blanket of soil to prevent unnecessary exposure. Care will be taken to prevent any disturbance of the potential human remains during removal of vehicles and equipment. Until appropriate consultation has occurred, the discovery shall remain protected from any disturbance, such that no human remains, or associated artifacts are touched, moved, or collected. Until consultation is complete, and a removal strategy is defined, the human remains will remain in place (in the ground), protected from natural forces, vandalism, and looting. Construction in the area of discovery may resume only upon approval and/or clearance by the THC (and law enforcement, if applicable).

Historic Resources Survey

Because of permitting with the USACE, SWCA understands the proposed project is subject to Section 106 of the NHPA. Additionally, SWCA understands the project is likely to receive federal funding through the Federal Highway Administration; therefore, all fieldwork will be conducted according to TxDOT standards (TxDOT 2025a). Additional TxDOT documentation (i.e., project coordination request, research design, and historic resources survey report) will be completed in the future once federal funding is finalized. Because the proposed project is sponsored by the County, a political subdivision of the State of Texas, the proposed project is also subject to the ACT.

To ensure compliance with the NHPA and ACT, SWCA proposes a reconnaissance-level historic resources survey (also known as architectural or built environment survey) of the APE defined as the proposed ROW (also known as the direct APE or APE for physical impacts) and intersecting Williamson Central Appraisal District (CAD) parcels within 300 feet of the proposed ROW (also known as the indirect APE or APE for nonphysical impacts). SWCA proposes documentation of all historic-age (i.e., 45 years of age or older from the project let date) resources (buildings, structures, objects, sites, districts) built in or before the let date of 1982, based on an estimated let date of 2027, within the APE.

Following the approval of the scope of work and issuance of the ACT permit, an SWCA architectural historian who meets the SOI Professional Qualifications (36 CFR 61) will complete documentation of historic-age resources according to TxDOT, THC, and NPS documentation standards. The survey will

also meet THC and NPS standards. Following completion of fieldwork, SWCA architectural historians will compile a report with survey results and recommendations. Each historic-age resource will be evaluated for NRHP eligibility. It is SWCA's understanding that Section 4(f) of the U.S. Department of Transportation Act does not apply to this project. If a historic property is listed in or eligible for the NRHP, SWCA will also complete an effects analysis. SWCA anticipates approximately 20 historic-age resources within the APE.

Site Documentation

An SWCA architectural historian who meets the SOI Professional Qualifications (36 CFR Part 61) will complete survey documentation according to NPS, THC, and TxDOT documentation standards (Denton 1999; NPS 1997; TxDOT 2025a). The architectural historian will document historic-age resources on intersecting parcels within the indirect APE. Nonhistoric-age resources on historic-age resource parcels will be documented with the primary historic-age resource. Historic-age resources include any districts, buildings, structures, objects, and sites identified in the APE. Resource documentation will adhere to the following parameters:

- Agricultural complexes will be documented according to the *Agricultural Theme Study of Central Texas*, in that they will include extant domestic and agricultural work zones (Moore et al. 2013).
- Each historic-age resource will have at least two photographs. Nonhistoric-age resources will have at least one photograph. Photographs will have a resolution of 1200x1600. A front façade and oblique photograph will be taken of each historic-age resource and will be captioned with photographic direction. Aerial imagery will be used to supplement documentation of obstructed resources.
- Each historic-age resource will be documented on an inventory form with at least two photographs. Nonhistoric-age resources will be documented alongside the primary historic-age resource.
- Livestock tanks will only be documented if they are part of a historic-age agricultural complex.
- Manufactured homes will not be documented, but mobile home parks will be documented as a single historic-age resource.
- Resources will be numbered from west to east. For parcels with multiple resources, the primary historic-age resource will be numbered '1A' and subordinate and/or nonhistoric-age resources will be numbered subsequently (i.e., 1B, 1C, etc.).
- Survey results will have corresponding map figures, which will include the project location, the APE and intersecting parcels, and surveyed resources. If a resource is recommended eligible for the NRHP, a map figure depicting the recommended NRHP boundary for the resource and contributing/noncontributing resources to the NRHP property or district will be provided.

Approximately 20 survey locations with historic-age resources have been identified on Williamson CAD parcels that intersect the APE. Preliminary review of the APE found that at least one historic-age resource would be displaced by the proposed project ROW alignment. SWCA anticipates the historic-age resources within the APE to have associations with agricultural, domestic, and landscape historical uses. SWCA will summarize each documented historic-age resource with a brief architectural description, research findings, integrity assessment, and an NRHP evaluation.

SWCA historians will use the following literature review and sources to guide documentation and evaluation efforts:

- *A Field Guide to American Houses (Revised): The Definitive Guide to Identifying and Understanding America's Domestic Architecture* by Virginia Savage McAlester (2015).
- *Agricultural Theme Study for Central Texas* by David W. Moore Jr., Martha Freeman, and Maryellen Russo (Moore, et al. 2013).
- Williamson CAD and records from the Williamson County Clerk's Office at the Williamson County Courthouse in Georgetown (Williamson CAD 2025).
- *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* by NPS Cultural Resources (NPS 1997).
- *National Register Bulletin 30: Guidelines for Evaluating and Documenting Rural Historic Landscapes* by Linda Flint McClelland, J. Timothy Keller, Genevieve P. Keller, and Robert Z. Melnick (McClelland et al. 1999).

SWCA architectural historians will compile report sections for the historic resources survey methodology, survey results, recommendations, and (if applicable) an effects analysis. These report sections will be integrated into the singular report deliverable alongside the archaeological investigation.

Reporting and Curation

SWCA will prepare a single draft report of the investigation detailing the results of the cultural resources survey. The report will conform to THC and CTA reporting standards (CTA 2025). The report will document the general nature of the project area, the methodology used in the investigation, the presence and condition of any previously recorded sites revealed in the records review, the general nature and extent of cultural resources encountered during the archaeological survey, recommendations on the need for further work, and the potential significance of the cultural resources regarding future development and NRHP/SAL status.

SWCA will submit a digital draft copy of the report to the County, LJA, and the THC for review and comment. Once this has been accomplished, SWCA will incorporate any appropriate edits and will submit a final draft report to the THC for review and comment. As part of completing Texas Antiquities Permit requirements, SWCA will furnish two electronic copies of the final report on a tagged PDF formatted CD, as well as project area shapefiles, to the THC, and complete an Abstracts in Texas Contract Archeology Summary form and abstract text online. Field records will be curated at an approved curatorial facility which, in this case, is the Center for Archaeological Research at The University of Texas at San Antonio, per requirements of the ACT.

REFERENCES CITED

- Barnes, V. E. 1974. Geologic Atlas of Texas, Austin Sheet. Bureau of Economic Geology, The University of Texas, Austin, Texas.
- Council of Texas Archaeologists (CTA). 2020. Intensive Terrestrial Survey Guidelines. Standards and Guidelines Committee. Updated March 30, 2020. Available at: <https://counciloftexasarcheologists.org/resources/Documents/CTA%20Intensive%20Survey%20Standards.pdf>. Accessed July 2025.
- . 2025. Guidelines and Standards for Reports. Report Guidelines Committee. Available at: https://counciloftexasarcheologists.org/resources/Documents/CTA%20Report%20Standards_April%202024.pdf. Accessed July 2025.
- Denton, Mark H. 1999. *Dealing with Late 19th and Early 20th-Century Sites*. CRM News & Views. Antiquities Code of Texas. Page 14. Texas Historical Commission. Austin, Texas.
- Find a Grave. 2025. Find a Grave database. Available at: <https://www.findagrave.com/cemetery>. Accessed July 2025.
- Foster, T. R., T. Summerville, and T. Brown. 2006. The Texas Historic Overlay: A Geographic Information System of Historic Map Images for Planning Transportation Projects in Texas. Prepared for the Texas Department of Transportation by PBS&J, Austin.
- Griffith, G. E., S. A. Bryce, J. M. Omernik, J. A. Comstock, A. C. Rogers, B. Harrison, S. L. Hatch, and D. Bezanson. 2007. *Ecoregions of Texas*. Texas Commission on Environmental Quality Surface Water Quality Monitoring Program, Austin, Texas.
- Little, Barbara, Erika Martin Seibert, Jan Townsend, John H. Sprinkle, and John Knoerl. 2000. *Guidelines for Evaluating and Registering Archeological Properties*. National Register Bulletin 36. National Park Service, U.S. Department of the Interior, Washington, D.C.
- McAlester, Virginia Savage. 2015. *A Field Guide to American Houses: The Definitive Guide to Identifying and Understanding America's Domestic Architecture*. Revised. Knopf. New York City.
- McClellan, Linda Flint, J. Timothy Keller, Genevieve P. Keller, and Robert Z. Melnick. 1999. *National Register Bulletin 30: Guidelines for Evaluating and Documenting Rural Historic Landscapes*. U.S. Department of the Interior, National Park Service. Washington, D.C.
- Moore, David, Martha Freeman, and Maryellen Russo. 2013. *Agricultural Theme Study for Central Texas*. Prepared by Hardy Heck Moore for the Texas Department of Transportation. Environmental Affairs Division, Historical Studies Branch. Report No. 2013-01. Austin, Texas.
- National Park Service (NPS). 1983. "Archeology and Historic Preservation; Secretary of the Interior's Standards and Guidelines". Federal Register 48, No. 190 (September 29, 1983): 44716–44742. Available at: <https://www.nps.gov/subjects/historicpreservation/upload/standards-guidelines-archeology-historic-preservation.pdf>. Accessed July 2025.
- . 1997. *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation*. U.S. Department of the Interior, National Park Service, Cultural Resources, National Register, History, and Education. Washington, D.C.

- Nationwide Environmental Title Research (NETR). 2025. Nationwide Environmental Title Research Historic Aerials. Available at: <https://historicaerials.com/viewer>. Accessed July 2025.
- Natural Resources Conservation Service (NRCS). 2019. Web Soil Survey. Available at: <https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>. Accessed July 2025.
- Prikryl, Dan. 1973. THC Atlas Site Form:41WM256. On file, Texas Historical Commission, The University of Texas, Austin.
- Texas Department of Agriculture. 2025. Family Land Heritage Program. All publications from 1974 to 2022. Available at: <https://www.texasagriculture.gov/News-Events/Family-Land-Heritage>. Accessed July 2025.
- Texas Department of Transportation (TxDOT). 2025a. *Documentation Standard Historical Studies Research Design*. TxDOT Environmental Affairs Division. Austin, Texas.
- . 2025b. TxDOT Historic Resources Aggregator, TxDOT Environmental Affairs Division. Austin, Texas. Available at: <https://txdot.maps.arcgis.com/apps/webappviewer/index.html?id=e13ba0aa78bf4548a8e98758177a8dd5>. Accessed July 2025.
- Texas Freedom Colonies Project. 2025. The Texas Freedom Colonies Project Atlas (2.1). Available at: <https://www.thetexasfreedomcoloniesproject.com/atlas>. Accessed July 2025.
- Texas Historical Commission (THC). 2025a. Texas Archeological Sites Atlas restricted database, Texas Historical Commission. Available at: <https://atlas.thc.texas.gov/>. Accessed July 2025.
- Texas Historical Commission (THC). 2025b. THC's Guidance for Studying Late Nineteenth19th-century and Early Twentieth20th-century Sites. Available at: https://www.thc.texas.gov/sites/default/files/2023-12/Guidance_for_Studying_Late_19th_Century_and_Early_20th_Century_Sites.pdf. Accessed August 2025.
- U.S. Geological Survey (USGS). 2025a. The National Geologic Map Database (TopoView). Historical topographic map collection. Available at: <http://ngmdb.usgs.gov/maps/TopoView/>. Accessed July 2025.
- . 2025b. Texas Geology Web Map Viewer. Available at: <https://txpub.usgs.gov/txgeology/>. Accessed July 2025.
- Williamson Central Appraisal District (CAD). 2025. Williamson CAD. Available at: <https://www.wcad.org/>. Accessed August 2025.
- Wilson, B. T., and G. Smith. 2018. *Monuments and Buildings of the Texas Centennial National Register of Historic Places Multiple Property Documentation Form*. Texas Historical Commission. Austin, Texas. Available at: <https://www.thc.texas.gov/public/upload/Centennial/Monuments%20and%20Buildings%20MPS.pdf>. Accessed July 2025.