



Carson City Planning Division

108 E. Proctor Street
Carson City, Nevada 89701
(775) 887-2180 – Hearing Impaired: 711
planning@carson.org
www.carson.org/planning

MEMORANDUM

Historic Resource Commission meeting of May 14, 2020

TO: Historic Resource Commission

Item E-2

FROM: Hope Sullivan, AICP
Planning Manager

DATE: May 5, 2020

SUBJECT: HRC-2020-0010 For Possible Action: Discussion and possible action regarding a Section 106 Technical Report prepared due to Federal permitting for a one hundred (100) foot monopole on property zoned General Commercial and located at 4209 South Carson Street, APN 009-125-24.

This item is before the Historic Resource Commission as a consulting agency. The proposed cell tower requires permitting through the Federal Communications Commission. Consistent with Section 106 of the National Historic Preservation Act, due to the federal permitting, an analysis of the potential impacts on cultural resources has been prepared. This report concludes that no historic properties will be affected by the cell tower. The Commission will review the report and provide comment as a consulting agency.

A Section 106 review process is a component of the National Historic Preservation Act (NHPA) of 1966. Section 106 of NHPA requires each federal agency to identify and assess the effects their actions will have on historic and cultural resources. The federal agency will consider public views and concerns about historic preservation issues when making final project decisions.

Attachment

A Cultural Resources Assessment for AT&T Candidate CVL02166 (C-City Junction) – Proposed Installation, 4209 South Carson Street, Carson City, Carson County, Nevada dated February 14, 2020, with associated plans.

**A CULTURAL RESOURCES ASSESSMENT
FOR AT&T CANDIDATE CVL02166
(C-CITY JUNCTION) – PROPOSED INSTALLATION, 4209
SOUTH CARSON STREET, CARSON CITY, CARSON COUNTY,
NEVADA (CASPR# 3701A0K4EM)**

Prepared For:

AT&T Mobility, LLC
5001 Executive Parkway
San Ramon, CA 94583

Prepared by:

Sean Simpson M.A., RPA

Submitted by:

Environmental Assessment Specialists, Inc.
71 San Marino Avenue
Ventura, CA 93003

Contact: Al Martinez, Telecommunications Group Manager



February 14, 2020

Table of Contents

Executive Summary	1
Project Description.....	2
Regulatory Setting.....	2
Historic Background	2
Cultural Resource Records Search Results.....	3
Historic Maps	5
Parcel Data	7
Field Reconnaissance	7
Direct APE Cultural Resources	8
Indirect Visual APE Cultural Resources	9
Recommendations	9
References	10
Attachment A: Photographs	12

List of Figures and Tables

Figure 1: Project Map.	1
Figure 2. Planview of Candidate.	1
Figure 3. Profile of proposed south elevation.....	1
Table 1: Previous archaeological inventory projects listed in NVCRIS database.	4
Table 2: Previously Recorded sites within a half-mile of candidate.	5
Table 3: Previous architectural inventory projects within a half-mile of candidate.....	5
Table 4: Historic resources recorded within a half-mile of candidate.....	5
Table 5. Historic Maps.	6
Figure 4. A GLO map for Township 15 North, Range 20 East dating to 1862 depicts the “Road to Genoa” within Section 29.	6
Figure 5. A GLO map for Township 15 North, Range 20 East dating to 1968 reveals much less development within the direct APE but with the same streets present south of the direct APE.	7
Figure 6. Plan view of impact corridor or Direct APE and survey area.	8

Executive Summary

At the request of AT&T Mobility, LLC (AT&T), Environmental Assessment Specialists, Inc. (EAS) has conducted a cultural resources records search and field inspection for AT&T candidate CVL02166 (C-City Junction), located at 4209 South Carson Street, Carson City, Nevada 89701. The Federal Communications Commission (FCC) permits telecommunications projects and, as a federally permitted undertaking, the project is subject to Section 106 of the National Historic Preservation Act (NHPA). The lease area lies in Section 29 of Township 15 North, Range 20 East (El Diablo Meridian) as shown on the USGS Carson City, NV 1:24,000-scale quadrangle map (Figure 1). AT&T proposes the installation of a new wireless telecommunications facility to be located on a new 100' Monopole. Proposed equipment will be located within a 40' by 36' lease area at the base of the tower (Figures 1 and 2). Ground disturbance is proposed.

The purpose of the records search is to identify all previously recorded cultural resources (prehistoric and historic archaeological sites in addition to architectural resources including historic buildings, structures, objects, or districts) within the area of potential effect (APE), as required by Section 106 of the NHPA of 1966 and its implementing regulations, 36 CFR Part 800. The height of proposed activities dictated an indirect APE as a half-mile radius around the direct APE to be evaluated for visual impacts to cultural properties. The evaluation includes a review of previously recorded prehistoric and historic archaeological sites as well as a review of all cultural resource survey/excavation reports within half-mile of the direct APE. The purpose of the site visit is to define the APE associated with the proposed project. The lease area and the location of planned project-related activities were visited and photographed.

Sean Simpson, M.A., consulting archaeologist for EAS, conducted background research for the project and a field inspection of the visual APE on February 10, 2020. Mr. Simpson satisfies the Secretary of the Interior's qualifications as a supervisory archaeologist. A survey of the location did not reveal the presence of cultural artifacts. A background search and field inspection revealed six recorded historic resources within a half-mile of the candidate. The recorded historic resources are located a quarter-mile or more from the proposed candidate and have been recommended not eligible for listing to the National Register of Historic Places (NRHP). The Nevada, State Historic Preservation Office (SHPO) has yet to concur with the field recommendations. However, views of the proposed candidate are likely limited to under a quarter-mile and will not be seen from any of the recorded historic resources. There are currently no historic properties listed on the NRHP within a half-mile of the proposed candidate. Therefore, the proposed installation project will not result in an affect to historic architectural or archaeological resources.

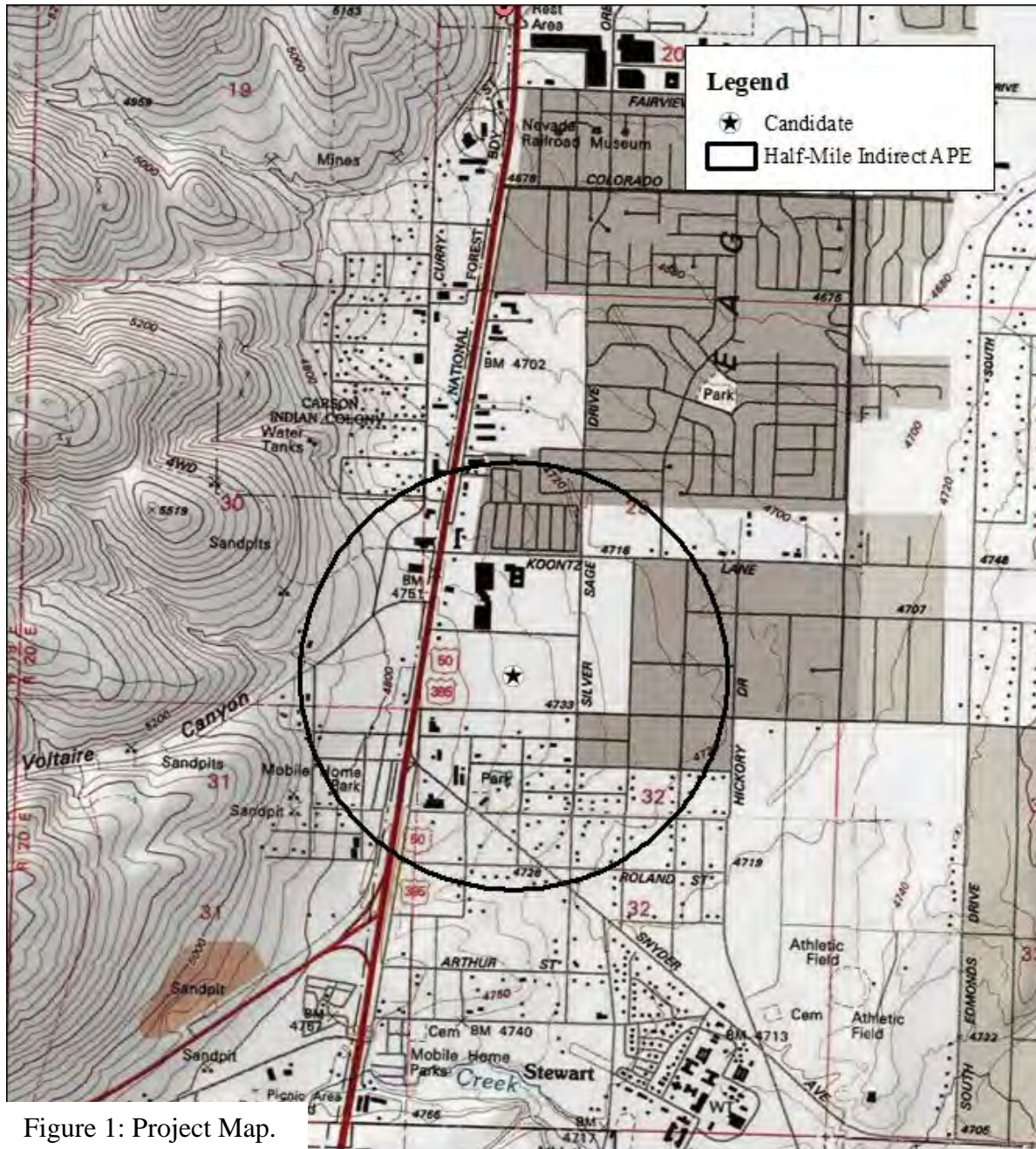
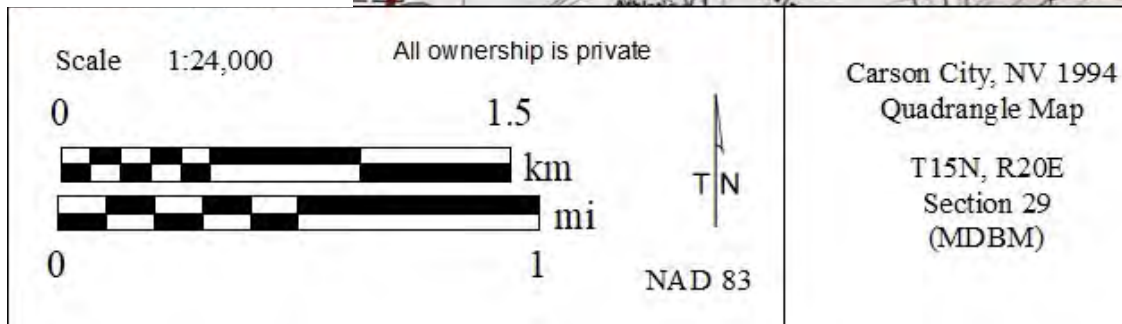


Figure 1: Project Map.

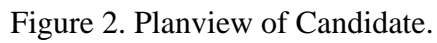


Project Description

AT&T proposes the installation of a new wireless telecommunications facility to be located on a new 100' monopole. Proposed equipment will be located within a 40' by 36' lease area at the base of the tower. Approximately 450' of trenching, at a 5' wide corridor and 2 to 4 feet deep, for power and telco is proposed. AT&T proposes the following as part of the facility: the installation of a new 6'-0" tall chain link fence with privacy slats and 3 strand anti-climb barrier and 12'-0" wide access gate; the installation of a new 100' monopole, an AT&T approved pre-manufactured 8'-0" x 8'-0" equipment shelter and associated interior equipment mounted on a concrete slab, and a new 30kw diesel backup generator with 190 gallon belly tank on a concrete slab.

Installation on the monopole is to include three (3) antennas per sector, for a total of nine (9), six (6) RRHS per sector for a total of eighteen (18), three (3) surge protectors, and three (3) fiber trunk with nine (9) DC cables going up the tower. Power will originate from two separate existing buried transformers to the north and southeast of the lease area approximately 450' total. The utilities will be routed from the existing sources to the proposed lease area via underground conduit. Access is from an existing road that runs behind a large shopping center north from East Clearview Drive. Ground surfaces to be disturbed as a result of the proposed action include exposed soil and aggregate.

February 14, 2020



CVL02166 (C-City Junction) - Telecommunications Project
 4209 South Carson Street, Carson City, Nevada
 February 14, 2020

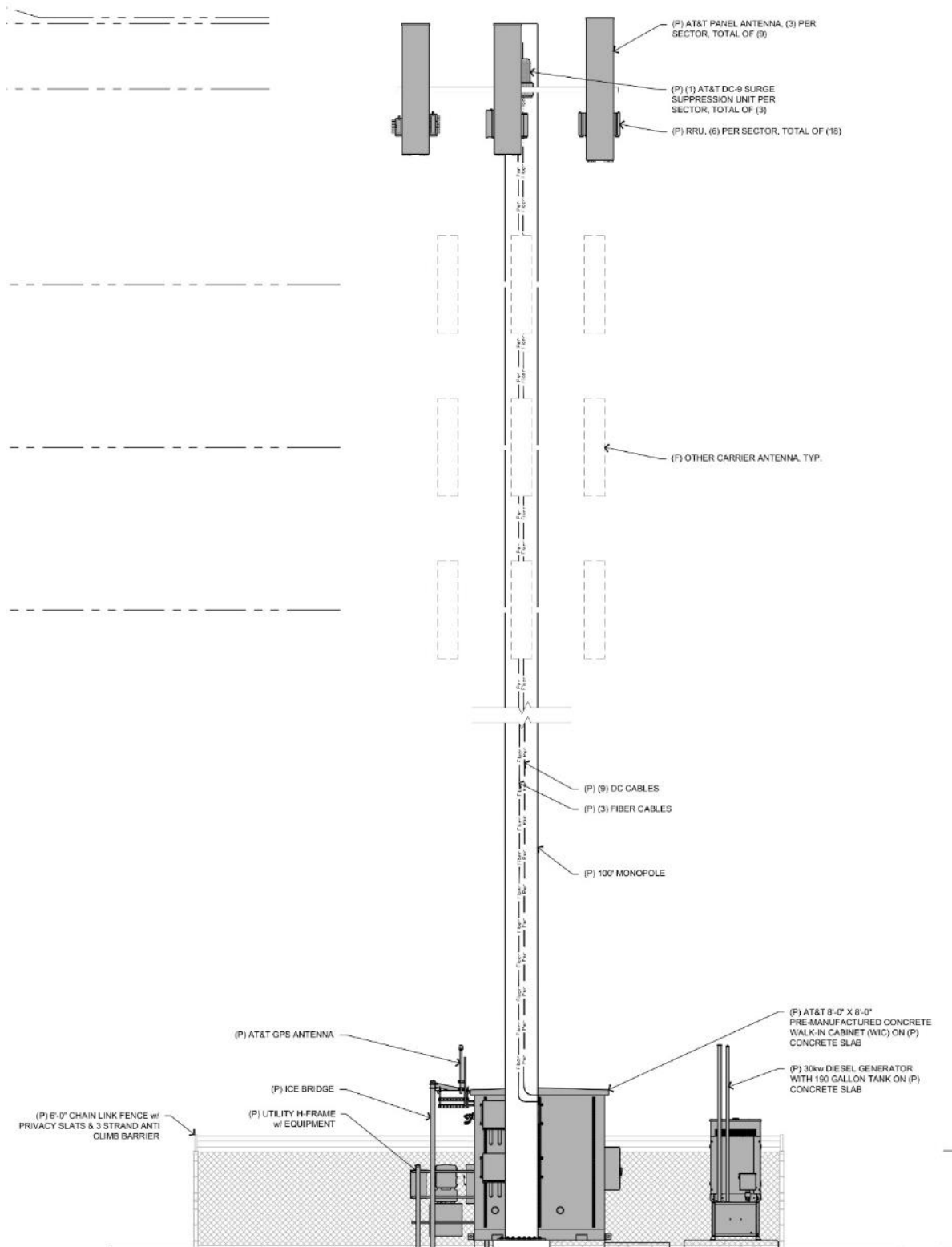


Figure 3. Profile of proposed south elevation.

Regulatory Setting

The Federal Communications Commission drafted *Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission* to streamline the review process for undertakings involving the construction and modification of cellular facilities (Federal Communications Commission [FCC] 2004). A submission packet for State and Tribal preservation offices should include a definition of the APE, an evaluation of any historic properties, and an assessment of the effect of the facility on historic properties. This report can be used in the submission packet to the State Historic Preservation Office (SHPO).

The indirect APE for visual effects is the geographic area in which the project has the potential to introduce visual elements that diminish or alter the setting. The indirect APE to be evaluated for visual impacts to cultural properties is defined as a half-mile radius from the candidate location. The National Programmatic Agreement (FCC 2004) is intended to assist FCC permit applicants and their consultants in evaluating the effects of cell tower projects on cultural resources. Cultural resources that are listed or determined eligible for the NRHP are afforded preservation protection under 36CFR800. The following paragraphs are from the Nationwide Programmatic Agreement.

The Nationwide Programmatic Agreement (1) excludes from Section 106 review certain Undertakings involving the construction and modification of Facilities, and (2) streamlines and tailors the Section 106 review process for other Undertakings involving the construction and modification of Facilities.

If a SHPO/THPO does not provide written notice to the Applicant that it agrees or disagrees with the Applicant's determination of no Historic Properties affected within 30 days following receipt of a complete Submission Packet, it is deemed that no Historic Properties exist within the APE or the Undertaking will have no effect on Historic Properties. The Section 106 process is then complete, and the Applicant may proceed with the project, unless further processing for reasons other than Section 106 is required. (3) If the SHPO/THPO provides written notice within 30 days following receipt of the Submission Packet that it disagrees with the Applicant's determination of no Historic Properties affected, it should provide a short and concise explanation of exactly how the criteria of eligibility and/or criteria of Adverse Effect would apply. The Applicant and the SHPO/THPO should engage in further discussions and make a reasonable and good faith effort to resolve their disagreement.

Historic Background

Carson City was founded as a community in 1858 (Carson City 2016). Carson City became a thriving commercial center following the discovery of gold and silver on the nearby Comstock Lode in 1859. A number of well-connected attorneys have streets named after them in town including a Proctor, Musser who bought the richest part of the valley for \$500 and a herd of horses in 1861. Carson City was soon designated both the territorial capital and county seat of the new Ormsby County. President Abraham

Lincoln, recognizing the importance of Nevada's silver and gold to the Union's Civil War effort, signed the proclamation that ushered Nevada into statehood on October 31, 1864 and Carson City was selected as the state capital at the constitutional convention and remains to the present day.

When Carson City was confirmed as Nevada's permanent capital, it was no longer dependent on the mining industry and instead became a thriving commercial center. The Virginia & Truckee Railroad (V&T RR) was built between Virginia City and Carson City and people came from China to work on the railroad. Some owned businesses and taught school. By 1880, almost a thousand Chinese people, with one for every five Caucasians were in Carson City. Carson City's population and transportation traffic decreased when the Central Pacific Railroad built a line through Donner Pass, too far north to benefit the town. The city was slightly revitalized with the mining booms in Tonopah and Goldfield after 1900; however, the city's population did not rebound to its 1880 peak population until 1960.

Cultural Resource Records Search Results

The following background research, methods, and reporting requirements correspond to guidelines outlined by Nevada SHPO for Section 106 Submissions (Palmer 2013). Prior to fieldwork, existing information on properties within the preliminary APE was reviewed, including data concerning possible historic properties not yet identified. Data was compiled to predict the frequency and kinds of cultural and architectural resources that would be expected. A search of known archaeological sites and investigations within the half-mile indirect APE was conducted online through the Nevada Cultural Resource Information System (NVCRIS) database at the Nevada State Museum in Carson City in addition to a search of archival resources for the area. A search of properties listed on the NRHP was also conducted. The information was compiled in an effort to identify archaeological as well as historic architectural properties within the preliminary APE including:

- Online records search of the Carson City County Assessor's Office (2020)
- Consultation with SHPO on their Architectural GIS Inventory as well as the current statewide and NRHP listings
- Historic GLO, topographic maps, land patents, and historic indices available on the Nevada Bureau of Land Management (BLM) Public Land Records website (BLM 2020)
- Digital Orthophoto Quadrangles obtained online from the ESRI GIS database
- Nevada All Topo Maps: Including Historic Collection
- Historic Map Works (HMW) online database

A search of previous archaeological and architectural investigations and previously recorded and evaluated properties within the half-mile APE was performed using the NVCRIS electronic database on February 07, 2020. A search of NVCRIS revealed nine prior archaeological inventories (Table 1) and three previously recorded archaeological sites (Table 2) within a half-mile of the candidate. All of the archaeological sites are more than a quarter-mile from the direct APE. There have been four prior architectural inventory projects (Table 3) resulting in the analysis of six historic single family

CVL02166 (C-City Junction) - Telecommunications Project

4209 South Carson Street, Carson City, Nevada

February 14, 2020

structures within a half-mile of the candidate (Table 4). None of the properties have been evaluated for listing to the NRHP by the Nevada, SHPO and are more than a quarter-mile from the direct APE. The historic structures were first recorded during historic architectural surveys for the Carson City Bypass, Carson City by Koval (1995) and P.S. Preservation Services (1999). There are currently no historic properties listed on the NRHP within a half-mile of the candidate. While the information represented within the NVCRIS database is incomplete, the candidate address has not been subject to a prior archaeological inventory.

Table 1: Previous archaeological inventory projects listed in NVCRIS database.

SHPO Project No.	Title	Date & Author
8142	A Class III Cultural Resources Survey of the US 50 Detention Basin Project Located in Carson City, Nevada	2000, Dubreuil, Elizabeth
30668	An Archaeological Overview and Inventory of Portions of the Paiute Pipeline Carson Lateral Project in Storey, Lyon, and Douglas County, Nevada	2000, Stoner, Edward J. and Lief Christian
18-187-1	Cultural Resources Report on Right of Way: F-135-1(3) and Spf-395-1(4): Ndot-043-80C (from NADB)	1980, Davis, Kathleen
18-187-2	Cultural Resources Report: Widening of US 395 from 2 to 4 Lanes Between Carson and Minden. E.A. 70985: Ndot-043-80C Addendum (from NADB)	1984, Bunch, J.
13-63	Cultural Resource Inventory of Sierra Pacific Power Company's Proposed Transmission Line G28, Carson City, Nevada	1989, Young, B.
13-20	Inventory and Assessment of Historical Landmarks and Structures Encountered by the Proposed U.S. 395 Carson City Bypass Corridors (from NADB)	1978, Steinberg, Larry Seth and Paula A. Sutton
4007	An Archaeological Inventory Report for the US 50 Storm Drain Project, Clear Creek Drainage, Carson City, Nevada	2009, Young, Christopher
8013	Master Cultural Resource Report: A Class III Cultural Resource Inventory for the Digital 395 Broadband Project (#5569)	2012, Chambers Group
24189	A Cultural Resources Assessment for the Ross Gold Park ADA Access Project, APN 009-166-01, Carson City	2018, Drews, Michael

Table 2: Previously Recorded sites within a half-mile of candidate.

Trinomial (26)	Distance from APE	Resource Description	Eligibility NRHP
DO704	1,400 feet	Carson Route of Mormon Emigrant Trail	Unevaluated
OR57	2,500 feet	Old Bar	Unevaluated
OR583	2,500 feet	Voltaire Canyon Road	Unevaluated

Table 3: Previous architectural inventory projects within a half-mile of candidate.

SHPO Project No.	Title	Date & Author
A_11	Inventory of Structures and Impacts by Corridor (Final Inventory of Buildings Located During the Field Survey of the Eight Alternative Carson City Bypasses)	1978, Nevada Division of Historic preservation and Archaeology
A_23	Carson City Bypass, Carson City, Nevada: Historical/Architectural Survey Report - Phase I	1995, Koval, Ana B.
3458	US 395 Carson City Bypass, Phase 2B from Fairview Drive to South Carson Street (US 395/US50/SR 529)	2009, Nevada Department of Transportation (NDOT)
A_21	Historical Architectural Survey Report - Phase II - Carson Bypass on US Highway 395 in Carson City	1999, P.S. Preservation Services

* Information not available

Table 4: Historic resources recorded within a half-mile of candidate.

SHPO Resource No.	Address	Distance from the project	SHPO Eligibility NRHP
B565	4539 Silver Sage Drive	1,400 feet	Unevaluated
B571	449 Willow Street	2,600 feet	Unevaluated
B561	4779 California Street	2,000 feet	Unevaluated
B303	3369 395 South	2,500 feet	Unevaluated
B564	4627 Ponderosa Drive	2,600 feet	Unevaluated
B563	4749 Center Drive	2,400 feet	Unevaluated

Historic Maps

A search of archival maps revealed one GLO map for Township 15 North, Range 20 East dating to 1862 and one historic topographic map (Table 5). The GLO map depicts the “Road to Genoa” within Section 29 (Figure 4). The Carson City, Nevada 1:24,000-scale topographic quadrangle map dating to 1968 reveals much less development within the direct APE but with same streets present south of the direct APE in the vicinity of the historic structures recorded in the NVCRIS database (Figure 5).

Table 5. Historic Maps.

Historic Maps	OBSERVATIONS
1862 GLO Map Township 15 North, Range 20 East	The map depicts the “Road to Genoa” within Section 29.
1968, Carson City, NV 1:24,000-scale topographic quadrangle maps	The map reveals much less development within the direct APE but with same streets present south of the direct APE in the vicinity of the recorded historic structures.

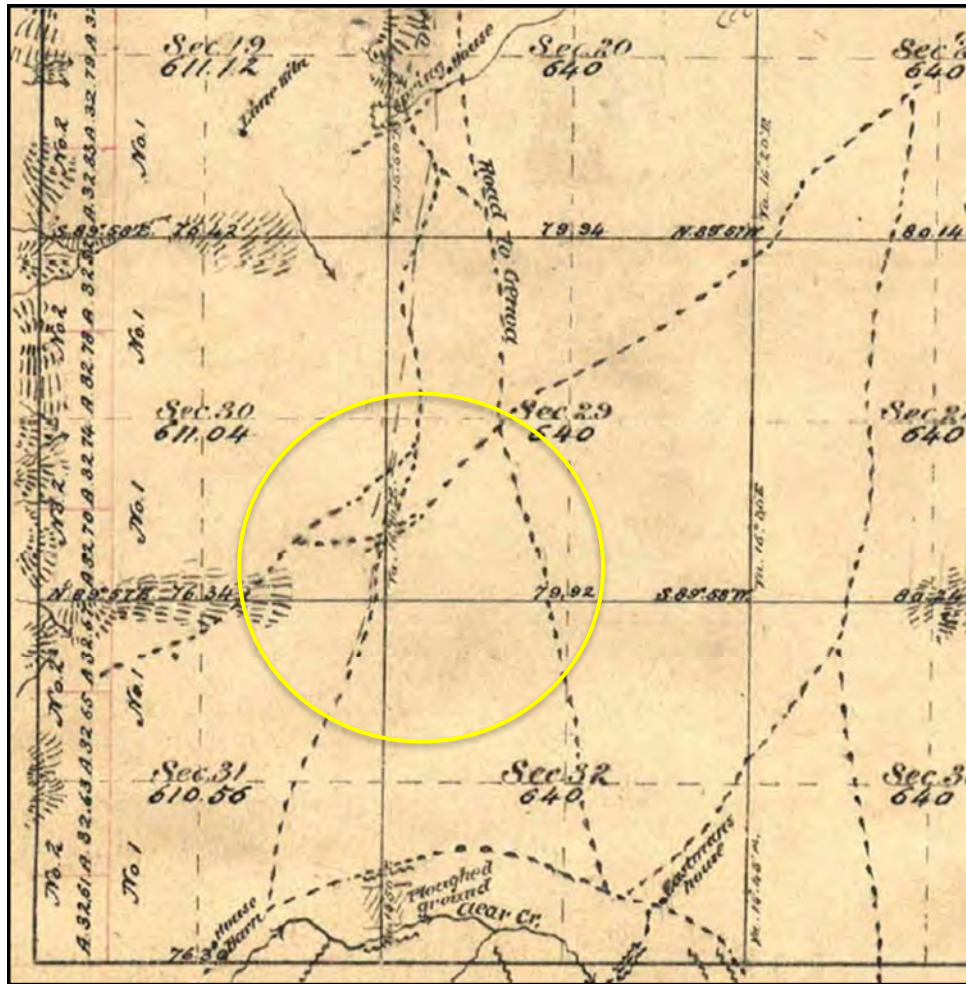


Figure 4. A GLO map for Township 15 North, Range 20 East dating to 1862 depicts the “Road to Genoa” within Section 29.



Figure 5. A GLO map for Township 15 North, Range 20 East dating to 1968 reveals much less development within the direct APE but with the same streets present south of the direct APE.

Parcel Data

The parcel is positioned within the southeastern quarter of Section 29 of Township 15 North, Range 20 East and can be found at 4209 South Carson Street, Carson City, Nevada 89701 (Parcel # 009-125-24). A parcel search for the candidate location was conducted online through the Carson City Assessor's Office (2020). The current owners are listed as Carson Southgate, LLC since 2011. The majority of the buildings associated with the shopping center present today were built in 1991.

Field Reconnaissance

On February 10, 2020, Sean Simpson conducted a reconnaissance level survey in advance of the proposed installation project for the purposes of conducting an archaeological survey and to establishing the visual APE. Sean Simpson satisfies the Secretary of the Interior's qualifications as a supervisory archaeologist and currently holds a Nevada Antiquities Permit (No. 606). The candidate address was subject to systematic pedestrian survey for cultural resources and photographs were taken of the proposed location as well as views in each cardinal direction away from the candidate and toward the recorded historic resources (Attachment A). Photographs were taken of the candidate lease area from the established visual APE as well as the half-mile indirect APE. Additional photographs were taken toward the general direction of the recorded historic resources within the half-mile indirect APE as well as back to the candidate lease area. All photographs were taken at 14.1 mega pixels resolution with a Canon PowerShot SX150 IS digital camera.

Direct APE Cultural Resources

The proposed candidate is located just east of the busy Highway 50/395 corridor and south of downtown Carson City. The proposed lease area is located behind a large shopping center next to an existing access road and developed parking lot. The terrain is level and appears to have been graded when it was developed. The ground surface within the direct APE is entirely encased in asphalt or concrete with no visible ground surface. A proposed underground utility trench extends to the north and to the southeast of the proposed lease area to existing buried power sources. A 100-foot wide perimeter was surveyed around the lease area and the 450' of proposed trenching for power and telco for a total of 3.5 acres of archaeological inventory (Figure 6). The archaeological survey did not result in the identification of cultural resources. Therefore, cultural resources should not be affected by construction of the proposed facility.



Figure 6. Plan view of impact corridor or Direct APE and survey area.

Indirect Visual APE Cultural Resources

The proposed candidate is located just east of the busy Highway 50/395 corridor and south of downtown Carson City. The proposed lease area is located behind a large shopping center next to an existing access road and developed parking lot (Attachment A: Photographs 1 through 6). Views are open to the east and southeast but blocked by the large building to the west and north (Attachment A: Photographs 3 through 5 and 7 through 9). Although views are open towards the recorded historic resources, they are single story residences that are not visible from the proposed candidate location (Attachment A: Photographs 7 through 9). A number of tall trees and two to three story commercial structures limit views from the candidate to a quarter mile (Attachment A: Photographs 21 through 24). None of the properties have been evaluated for listing to the NRHP by the Nevada, SHPO and are more than a quarter-mile from the direct APE. The candidate location is likely not visible from any of the recorded historic resources (Attachment A: Photographs 10 through 20). The six resource (B303) is located nearly a half-mile north of the proposed candidate and appears to have been demolished with a modern building currently at its location (Attachment A: Photograph 25).

Recommendations

AT&T proposes the installation of a new unmanned telecommunications on a new 100' monopole located behind a large shopping complex along Highway 50/395 just south of downtown Carson City. In accordance with 36 CFR Part 800, EAS has assessed the effects of this facility on any local cultural properties. A limited reconnaissance survey to assess the impact of the proposed project was conducted on February 10, 2020. While there are six historic resources within the half-mile indirect APE the properties are single story residences more than a quarter-mile from the proposed candidate and have been recommended not eligible for listing to the NRHP. There are currently no historic properties listed on the NRHP within a half-mile of the proposed candidate. Therefore, it is Mr. Simpson's opinion the proposed installation project will not result in an effect to significant historic architectural or archaeological resources.

Sincerely,



Sean Simpson, M.A., RPA
Professional Archaeologist

References

Bunch, J.

1984 *Cultural Resources Report: Widening of US 395 from 2 to 4 Lanes Between Carson and Minden. E.A. 70985: Ndot-043-80C Addendum (from NADB).*

Bureau of Land Management (BLM)

2020 Land Records Search: 1862 Plat of Township 15 North, Range 20 East. Electronic document, <http://www.nv.blm.gov/LandRecords/>, accessed February 7.

Carson City County Assessor's Office

2020 Parcel search. Electronic document, <http://www.ccapps.org/cgi-bin/asw100>, accessed February 10.

Carson City

2016 Capitol of Nevada History. Electronic document, <http://carson.org/residents/history>, accessed June 15.

Chambers Group

2012 *Master Cultural Resource Report: A Class III Cultural Resource Inventory for the Digital 395 Broadband Project (#5569).*

Davis, Kathleen

1980 *Cultural Resources Report on Right of Way: F-135-1(3) and Spf-395-1(4): Ndot-043-80C (from NADB).*

Drews, Michael

2018 *A Cultural Resources Assessment for the Ross Gold Park ADA Access Project, APN 009-166-01, Carson City.*

Dubreuil, Elizabeth

2000 *A Class III Cultural Resources Survey of the US 50 Detention Basin Project Located in Carson City, Nevada.*

Federal Communications Commission

2004 *FCC 04-222: Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission.*

Historic Map Works, LLC.

2020 Residential Genealogy. Electronic document, <http://www.historicmapworks.com/>, accessed February 7.

Koval, Ana B.

1995 *Carson City Bypass, Carson City, Nevada: Historical/Architectural Survey Report - Phase I.* Prepared by Rainshadow and Associates, Carson City, Nevada.

CVL02166 (C-City Junction) - Telecommunications Project

4209 South Carson Street, Carson City, Nevada

February 14, 2020

Nevada Cultural Resource Information System (NVCRIS)image

2020 State database of archaeological sites. Electronic document,
<https://nvcris.nvshpo.org/>, accessed February 7.

Nevada Division of Historic Preservation and Archaeology

1978 *Inventory of Structures and Impacts by Corridor (Final Inventory of Buildings Located During the Field Survey of the Eight Alternative Carson City Bypasses).*

Nevada Division of Historic Preservation and Archeology.

Nevada Department of Transportation (NDOT)

2009 *US 395 Carson City Bypass, Phase 2B from Fairview Drive to South Carson Street (US 395/US50/SR 529).*

Palmer, Rebecca

2013 Guidelines for Section 106 Submissions. Electronic document,
<http://shpo.nv.gov/review-compliance/section106-guidelines>, accessed
September 23, 2015.

P.S. Preservation Services

1999 *Historical Architectural Survey Report - Phase II - Carson Bypass on US Highway 395 in Carson City.* Prepared by P.S. Preservation Services.

Steinberg, Larry Seth and Paula A. Sutton

1978 *Inventory and Assessment of Historical Landmarks and Structures Encountered by the Proposed U.S. 395 Carson City Bypass Corridors (from NADB).*

Stoner, Edward J. and Lief Christian

2000 *An Archaeological Overview and Inventory of Portions of the Paiute Pipeline Carson Lateral Project in Storey, Lyon, and Douglas County, Nevada.*

Young, B.

1989 *Cultural Resource Inventory of Sierra Pacific Power Company's Proposed Transmission Line G28, Carson City, Nevada.*

Young, Christopher

2009 *An Archaeological Inventory Report for the US 50 Storm Drain Project, Clear Creek Drainage, Carson City, Nevada.*

Attachment A: Photographs





Image 1. View north from access entrance from E. Clearview Drive.



Photograph 2. View north of proposed candidate location from access.



Photograph 3. View west of proposed candidate lease location.



Photograph 4. View northwest of proposed trenching corridor for power and telco north of candidate.



Photograph 5. View southwest of proposed candidate location in front of large containers.



Photograph 6. View south of proposed candidate lease area.



Photograph 7. View east from proposed candidate lease area.



Photograph 8. View southeast from proposed candidate lease area.



Photograph 9. View south from access just south of proposed candidate lease area.



Photograph 10. View west from parking lot of Big Lots on other side of building from proposed candidate lease area.



Photograph 11. View southeast of B564 at 4627 Ponderosa Drive.



Photograph 12. View northwest toward proposed candidate from B564 at 4627 Ponderosa Drive.



Photograph 13. View northeast of B563 at 4749 Center Drive.



Photograph 14. View northwest toward proposed candidate from B563 at 4749 Center Drive.



Photograph 15. View east of B565 at 4539 Silver Sage Drive.



Photograph 16. View northwest toward proposed candidate from B565 at 4539 Silver Sage Drive.



Photograph 17. View northeast of B561 at 4779 California Street.



Photograph 18. View north toward candidate from B561 at 4779 California Street.



Photograph 19. View west of B571 at 449 Willow Street.



Photograph 20. View northeast toward candidate from B571 at 449 Willow Street.



Photograph 21. View east from the west half-mile indirect APE looking down West Clearview Drive.



Photograph 22. View north from the south half-mile indirect APE at East Rowland and California streets.



Photograph 23. View west from the east half-mile indirect APE down East Clearview Drive and Bigelow Drive.



Photograph 24. View south from the north half-mile indirect APE at parking lot in Cherry Creek Apartments at 3349 South Carson Street.



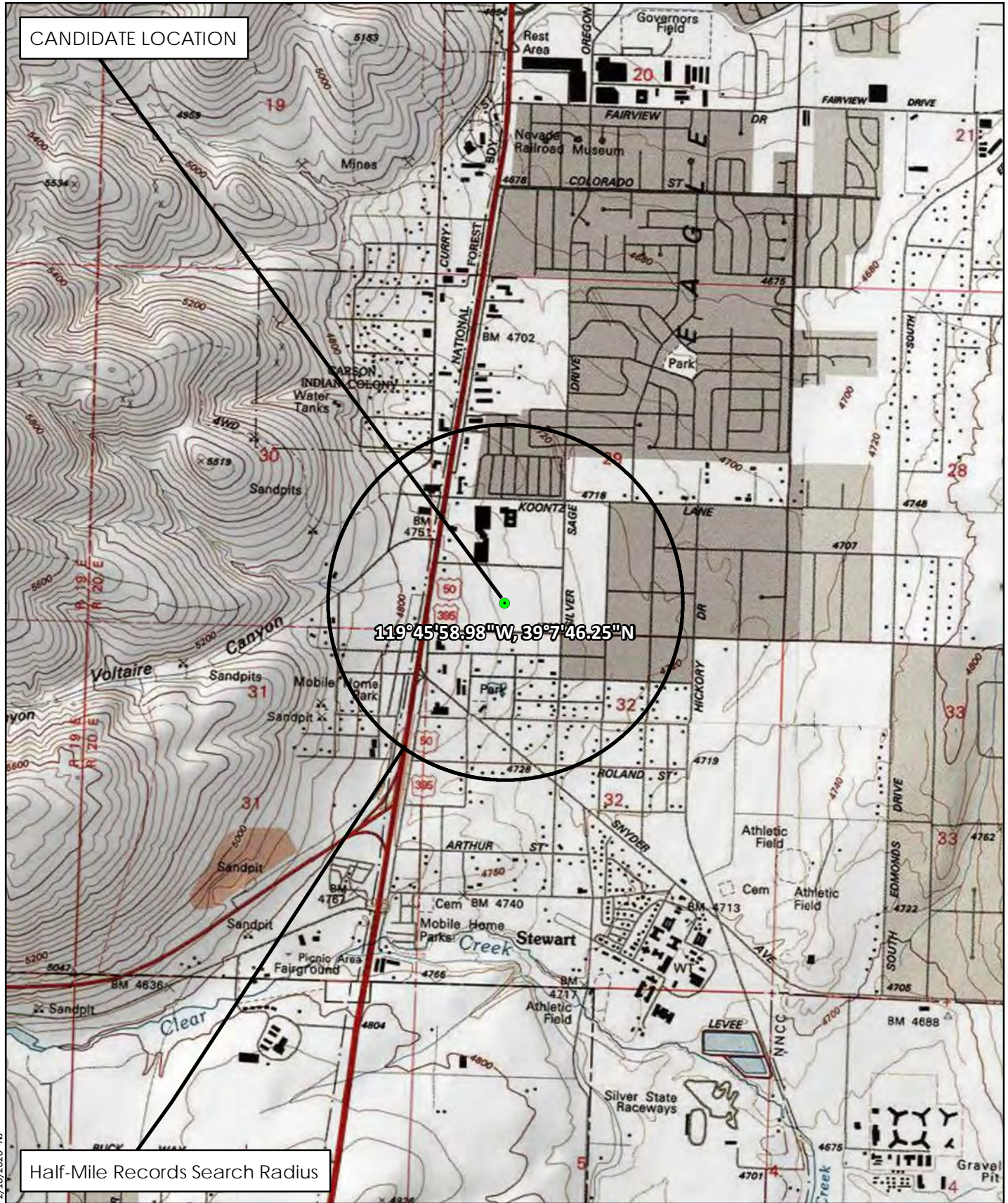
Photograph 25. View east of the location for B303 at 3369 South Highway 395.



SOURCE: Google Earth Pro 2018

Exhibit 1 Street Map

CULTURAL RESOURCE COMPLIANCE



Overview:

30 Years of professional Experience
Meets Secretary of Interior's Standards for Archaeology
M.A. Anthropology/Archaeology: University of Nevada, Reno 2010
B.A. Anthropology: Sonoma State University, California, 1993
Registered Professional Archaeologist ID# 989353

Employment History:

Consulting Senior Archaeologist, Environmental Assessment Specialists (EAS), 2011-present
Mesa Field Services – Sparks, Nevada, 1997 to present, Principle Investigator
Summit Envirosolutions, Inc. – Reno, Nevada 2011 to 2012, Crew Member
BonTerra Consulting – Irvine, California 2011, Crew Member
Chambers Group Inc. – Reno, Nevada, 2010 to 2011, Crew Chief
University of Nevada – Reno, Nevada, 2006, Sundance Archaeological Research Fund, Crew Member
TRC Companies – Albuquerque, New Mexico, 1998 to 1999, Field Director
Parsons Brinkerhoff, Inc. – Albuquerque, New Mexico, 1998, Crew Member
Rio Grande Consultants – Albuquerque, New Mexico, 1996 to 1998, Crew Member
Lone Mountain Archaeological Services, Inc. – Albuquerque, New Mexico, 1995 to 1996, Field Director
Mariah Associates – Laramie, Wyoming, 1994, Crew Member
Archaeological Consulting Service of Tempe – Tempe, Arizona, 1993 and 1994, Field Archaeologist
Kinlani Cultural Resource Consultants – Flagstaff, Arizona, 1993, Field Technician
Northland Research – Yuma, Arizona, 1993, Crew Member
National Forest Service – Seasonal with the Modoc and Sequoia of California and Malheur in Oregon, 1990 to 1992, Archaeological Technician
Anthropological Studies Center, Sonoma State University – Cotati, California, 1991 to 1993, Student Assistant.
University of Nevada – Reno 1989, Field School, Eastern Oregon and Northwestern Nevada

Professional Experience:

Environmental Assessment Specialists, Current, Consulting Senior Archaeologist

As a Senior Archaeologist, I conduct field surveys, testing and excavations as a part of a team of archaeologists. I conduct site visits of project locations, documenting the presence of any historic properties within the area. I perform record searches and produce detailed reports reviewing the record search results and detailing the site visit findings.

Mesa Field Services, Sparks, Nevada –June 1997 to present

As a Principle Investigator I am responsible for overseeing all aspects of company operation from marketing prospective clients to supervising all projects. In this capacity I interact with clients and regulatory agencies daily, ensuring that all projects proceeded in a timely and efficient manner. I supervise and participate in all levels of fieldwork as well as writing and reviewing reports. The firm has completed more than 1,400 projects including large block inventories for mining related development projects on lands managed by the Bureau of Land Management and Forest Service in northern Nevada. Other types of projects include a well pad and access survey for oil and gas development and background records searches and proposed cell towers and collocation projects across Nevada, Washington and Oregon in addition to architectural assessments of irrigation and bridge features for the Army Corps of Engineers. The company has also completed district evaluations of historic mining districts in central and northern Nevada including Manhattan, Kinsley, Rochester, Yerington, Pine Grove, Rockland, Fairview, and Bell Mountain mining districts including the boomtown or tent city of Ludwig in the Yerington Mining District and town of Pine Grove.

Summit Envirosolutions Inc., – September 2011 to February 2012

As a Crew Member I participate in a variety of large-scale archaeological inventories in northeastern Nevada for the mining industry in the Ely and Elko areas. Duties included most aspects of site recording such as analyzing and

recording artifacts, organizing paper work, taking digital photos, etc. Most of the cultural resources I have encountered have been late 19th century mining camps and mines.

BonTerra Consulting– December 2011

Served as a Crew Member for a test excavation project of late prehistoric fishing sites in Owens Lake, California. Duties included excavating test units and collecting artifacts, taking field notes and organizing paperwork.

Chambers Group Inc., Reno Nevada – May 2010 to June 2011

Experience gained at Chambers Group as a Crew Chief includes participating in and supervising a variety of small and large-scale archaeological inventory projects throughout Nevada and northern Arizona primarily for the mining industry. Additional experience gained includes completing IMACS site forms and Arizona site cards, authoring final reports including archival research and writing regional specific cultural overviews. Historic experience includes the recordation of a wide range of mining related features throughout the state of Nevada as well as the recordation of the historic townsite of Pine Grove.

University of Nevada, Reno Sundance Archaeological Research Fund – June 2006

Worked as a Crew Member while a graduate student with the University of Nevada at Reno during an archaeological reconnaissance for Paleoindian cultural material in high probability areas of Jakes Valley in eastern, Nevada. Activities consisted of systematic survey with a three-person crew within the vicinity of shorelines of a prehistoric lake associated with the Paleoindian period. Cultural materials encountered include a variety of Paleoindian stem points, a Clovis point, and a crescent plus Early Archaic points and materials. The project was conducted specifically for Mark Estes' thesis research.

Mesa Field Services, Carlsbad, New Mexico – 1997 to 2005

As a Principle Investigator I was responsible for overseeing all aspects of company operation from marketing prospective clients to supervising all projects. In this capacity I interacted with clients and regulatory agencies daily, ensuring that all projects proceeded in a timely and efficient manner. I supervised and participated in all levels of fieldwork as well as writing and reviewing reports. During my eight years of employment the company completed over 1,200 projects including twelve archaeological excavations completed on federal lands under the Archaeological Resource Protection Act (ARPA). Undertakings included small-scale archaeological surveys to large-scale inventories, as well as monitoring, excavation, historic cell tower view shed analysis, and damage assessments.

TRC Companies, Albuquerque, New Mexico – 1998 to 1999

As a Field Director and Crew Chief, I was responsible for a variety of tasks, both in the field and in the office. Field responsibilities included directing and supervising a variety of survey and excavation projects, including quality control and mapping excavated sites with a total station. Additional field duties involved ensuring the integrity of field data and supervising up to two crews with twelve personnel. Office responsibilities entailed report writing and editing, mapping and drafting various graphics, as well as performing or overseeing a multitude of tasks associated with bringing large-scale projects to completion. Administrative duties were conducting pre-field records searches with federal and state agencies and the integration of field data in reports. Experience also included project logistics, artifact analysis, and making State and National Register recommendations.

Parsons Brinckerhoff, Inc., Albuquerque, New Mexico – 1998

Serving as a Crew Member during a multi-site test excavation project within the Rio Puerco valley I conducted all duties associated with a test excavation such as the excavation of exploratory units and necessary record keeping including the bagging and cataloguing of artifacts.

Rio Grande Consultants, Albuquerque, New Mexico – 1996 to 1997

I worked on the excavation of over two dozen Archaic and Early Formative period archaeological sites as a Crew Member and Laboratory Technician. I excavated features, including Archaic structures, collected samples, and prepared site maps. Lab duties included lithic analysis and submitting collected materials for curation. Cultural resources encountered dated from the Middle Archaic to Basketmaker periods.

Lone Mountain Archaeological Services, Inc., Albuquerque, New Mexico – 1995 to 1996

As a Field Director and Crew Chief with Lone Mountain, I obtained supervisory experience both in the field and office. Field tasks consisted of conducting archaeological field inventories, directing multiple crews on such projects, and performing quality-control field checks, mostly for seismic prospect or oil and gas exploration projects. Office tasks involved permit applications, pre-field record researches and other project organization, report writing and editing,

drafting, and mapping. Supervisory duties also included correspondence with clients and various administrators at the federal, state and local level.

Mariah Associates, Laramie, Wyoming – 1994

I served as a Crew Member during the testing of several sites along the Altamont pipeline in southwestern, Wyoming. Duties involved the excavation of test units and complete excavation of thermal features encountered.

Archaeological Consulting Service of Tempe, Arizona – 1993 to 1995

I participated in two excavation projects including a pit house village in Prescott Valley and a large scale burial excavation project. Duties included delineating pit houses within trench profiles and gravesites, exhumation of remains, and sorting and cataloguing artifacts for collection and analysis in a laboratory setting

Kinlani Archaeology Ltd., Flagstaff, Arizona – 1993

I conducted test unit and feature excavations on Anasazi sites and participated in Forest Service inventories while serving as a Field Technician in the Four Corners Area. I excavated midden locations and human remains as well as surveying areas around the sites. Lab work included the cataloguing and processing of artifacts for submittal to a collections facility.

Northland Research, Flagstaff, Arizona – 1993

I participated in an archaeological survey for a roadway corridor on a Federal Military installation. My duties included inspection of the proposed project corridor, delineation of cultural resources, mapping sites with a compass, and analyzing artifacts in the field.

Three Seasons of Employment with National Forests in California and Oregon 1990 -- 1992

I served as an Archaeological Technician with the Modoc and Sequoia National Forest in California and the Malheur National Forest in Eastern Oregon. As a Field Technician I participated in archaeological field inventories between the school year for three months each season while attending Sonoma State University. I worked principally for block survey units delineated for timber sales within the Modoc and Malheur National Forests and served one season conducting inventories and cultural resource analysis for proposed trail upgrades in wilderness areas of the Sequoia National Forest.

Other qualifications:

Training Courses

Archaeological Damage Assessment Class: Sponsored by the New Mexico State Historic Preservation Division, Albuquerque, New Mexico. Completion June 14, 2002. Instructors Martin McAllister with Archaeological Resource Investigations and Wayne Dance, Assistant District Attorney, District of Utah.

First Geoarchaeological Field Course: Southeastern New Mexico. Sponsored by Bureau of Land Management and State of New Mexico Historic Preservation Division, Santa Fe, New Mexico. Field Course Instructor Dr. Stephen A. Hall with Red Rock Geological Enterprises.

Major Reports:

- 2019 *An archaeological inventory for the Charleston storm drain project, Clark County, Nevada.* City of Las Vegas, Clark County Regional Flood Control District, Las Vegas, Nevada. Mesa Field Services Report No. 1418.
- 2019 *An Archaeological Survey for the Gypsum Mine Access Road Realignment Project, Clark County, Nevada.* Submitted to the USDOJ Bureau of Land Management, Southern Nevada District, Las Vegas Field Office, Project No. CRR 5-2794(P). Mesa Field Services Report No. 1406.
- 2018 *Programmatic Agreement Among the Hawthorne Army Depot, Hawthorne, Nevada, and the Nevada State Historic Preservation Officer Regarding the Maintenance of Resources 50 Years or Older at Hawthorne Army Depot, Mineral County, Nevada.* Submitted to the Hawthorne Army Depot, Hawthorne Nevada. Mesa Field Services Report No. 1410.
- 2018 *A Class III Cultural Resources Inventory for the Motherlode Project, Nye County, Nevada.* Submitted to the USDOJ Bureau of Land Management, Battle Mountain District, Tonopah Field Office, Project No. CRR 6-3238(P). Mesa Field Services Report No. 1385.

- 2018 *A Class III Cultural Resources Inventory for the Rockland B2 Plan-of-Operations, Lyon County, Nevada.* Submitted to the Humboldt-Toiyabe National Forest, Bridgeport Ranger District, Report R2017041702658. Mesa Field Services Report No. 1377.
- 2018 *A Class III Cultural Resources Inventory for the Duck Creek Storm Water Conveyance System Project, Clark County, Nevada.* Submitted to the USDOJ Bureau of Land Management, Southern Nevada District, Las Vegas Field Office, Project No. CRR 5-2781(P). Mesa Field Services Report No. 1373.
- 2017 *Hawthorne Army Depot 2017 2022 ICRMP Update.* Submitted to the Hawthorne Army Depot, Hawthorne Nevada. Mesa Field Services Report No. 1374.
- 2017 *A Class III archaeological inventory for the Proposed Neptune Federal 33-20 Well and Access Road, Eureka County, Nevada.* Submitted to the USDOJ Bureau of Land Management, Tuscarora District, Field Office, Project No. BLM 1-3180(P). Mesa Field Services Report No. 1339.
- 2016 *An Exploration/ Expansion Drill Program for the Bell Mountain Property, Churchill County, Nevada.* Submitted to the USDOJ Bureau of Land Management, Carson City District Stillwater Field Office, Project No. CRR 3-2725(P). Mesa Field Services Report No. 1321.
- 2014 *A Class III Cultural Resources Inventory for two Alternative Mining Haul Roads, Lyon County, Nevada.* Prepared for the Art Wilson and Company. Submitted to the USDOJ Bureau of Land Management, Carson District Office, Project No. CRR 3-2689(P). Mesa Field Services Report No. 1197.
- 2014 *A Class III Cultural Resource Inventory of 1,000 acres within the Soldier Meadow Area of Critical Environmental Concern Humboldt County, Nevada.* Prepared for the Great Basin Institute (GBI). Submitted to the USDOJ Bureau of Land Management, Winnemucca District, Wells Field Office, Project No. CR2-3236(P). Mesa Field Services Report No. 1194.
- 2014 *An inventory for Klamath Drainage District's West Side Water Recycling Improvement Project, Klamath County, Oregon.* Prepared for the Klamath Drainage District. Submitted to Bureau of Reclamation, Mid-Pacific Region, Sacramento, California. Mesa Field Services Report No. 1192.
- 2013 *A Class III Cultural Resource Survey for the Kinsley Exploration Project, Elko County, Nevada.* Prepared for JBR Environmental Consultants, Inc. Submitted to USDOJ Bureau of Land Management, Elko District, Wells Field Office, Project No. BLM-6-2955(P). Mesa Field Services Report No. 1178.
- 2012 *A Cultural Resource Survey for the T-Mobile US Cellular Location SL02161A at 440 Columbia Avenue, Nyssa, Oregon.* Prepared for Michael Brandman Associates. Mesa Services Report No. 1179.
- 2012 *A Class III Cultural Resource Survey for the Proposed Eblana Well No. 2 and Access, Nye County, Nevada.* Prepared for JBR. Mesa Field Services Report No. 1176.
- 2012 *A Cultural Resources Survey for the T-Mobile USA Candidate SC64302-A (Seventh Day Adventist), 7125 West 4th Street, Reno, Nevada.* Prepared for Michael Brandman Associates. Mesa Services Report No. 1175.
- 2011 *A Class III Cultural Resources Inventory of 700 Acres for the Pine Grove Mine Project, Lyon County, Nevada.* Prepared for JBR.
- 2011 *A Class III Cultural Resource Inventory of approximately 2,000 Acres for the "U.S. Gold Pick Project", Eureka County, Nevada.* Prepared for U.S. Gold Inc.
- 2010 *A Class III Cultural Resource Inventory of the Fronteergold Viper Project Access Roads and Drill Pads, Elko County, Nevada.* Prepared for Fronteergold.
- 2010 *Kanab Creek Cultural Resource Inventory of 640 acres, Mohave and Coconino Counties, Arizona.* Prepared for the Arizona Strip Office of the Arizona Bureau of Land Management.
- 2010 *A Class III Cultural Resources Inventory for the Enel Salt Wells Geothermal Project, Churchill County, Nevada.* Prepared for Enel.

- 2010 *Holocene Thermal Feature Types in Archaeological Sites of the Mescalero Sands Environment, New Mexico.* Master's Thesis University of Nevada at Reno.
- 2010 *The Excavation of the Tony Federal Wells, Eddy County, New Mexico.* Mesa Field Services Report No. 893. Prepared for MARBOB Energy Corporation.
- 2005 *A Data Recovery of LA 138576, Eddy County, New Mexico.* Mesa Field Services Report No. 796e. Prepared for MARBOB Energy Corp.
- 2004 *A Data Recovery of LA 84982, Eddy County, New Mexico.* Mesa Field Services Report No. 672. Prepared for MARBOB Energy Corp.
- 2004 *A Data Recovery of Four Sites Near Dark Canyon, Eddy County, New Mexico.* Mesa Field Services Report No. 438e. Prepared for the City of Carlsbad.
- 2003 *A Surface Collection and Analysis of LA 134810 in Indian Basin, Eddy County, New Mexico.* Mesa Field Services Report No. 517e. Prepared for Chevron Texaco and Kerr McGee.
- 2000 *Survey for a PVT Fiber Optic Line Through the Lincoln National Forest, Mayhill Ranger District, Otero and Chaves Counties, New Mexico.* Mesa Field Services Report No. 24. Prepared for Chuck Pinson, Central Valley Electric.
- 2000 *A Cultural Resource Survey of a Transmission Line Corridor Across Azotea Mesa, Eddy County, New Mexico.* Mesa Field Services Report No. 5. Prepared for Chuck Pinson of Central Valley Electric.
- 2000 *A Cultural Resource Survey of a Power Line Corridors to West Shugart 29 Federal No. 2 and West Shugart 29 Federal No. 3 Well Pads.* Mesa Field Services Report No. 21. Prepared for Chuck Pinson of Central Valley Electric.
- 2000 *Cultural Resource Survey of a Power Line Corridor to the Skelly Unit No. 902.* Mesa Field Services Report No. 22. Prepared for Chuck Pinson, Central Valley Electric.
- 1998 *Cultural Resource Inventory of the Washita 3-D Seismic Project, Roger Mills County, Oklahoma.* TRC Companies. Prepared for 3-D Geophysical, Inc., Littleton, Colorado.
- 1998 *Cultural Resource Survey of the Master Business Lease Expansion at the Pueblo of Santa Ana.* TRC Companies. Prepared for the Pueblo of Santa Ana.
- 1998 *Heritage Resource Survey of Lake Fork Mesa Santa Fe National Forest, Jemez Ranger District, Sandoval County, New Mexico.* Mesa Field Services Report No. 1. Prepared for Rita Skinner, archaeologist with the Jemez District of the Santa Fe National Forest.
- 1998 *Cibola National Forest Checker Board Land Exchange Survey.* TRC Companies. Prepared for Tom Strome of the L-Bar Ranch.
- 1996 *Blue Diamond/Arden Archaeological Project: An Archaeological Survey of 5984 Acres in the Las Vegas Valley, Clark County, Nevada.* Lone Mountain Archaeological Services Report No.077B. Prepared for Olympic Land Developers.
- 1995 *Phantom Banks 3-D Seismic Survey, Eddy County, New Mexico.* Lone Mountain Archaeological Services Report No. 047. Prepared for Capilano Seismic Corporation.
- 1995 *East Phantom Banks 3-D Seismic Survey, Eddy County, New Mexico.* Lone Mountain Archaeological Services. Prepared for Capilano Seismic Corporation.
- 1995 *Maljamar 3-D Seismic Survey, Lea County, New Mexico.* Lone Mountain Archaeological Services. Prepared for Western Geophysical.