

A wooden archway sign for Lilacia Park. The sign is dark brown with white lettering. It features a small illustration of a lilac flower on the left and a small crest on the right. The text on the sign reads "LILACIA PARK" in large, bold, serif letters, with "Established 1927" in smaller text below it. The sign is supported by two dark brown posts. In the background, there are lush green trees and a paved path leading into the park.

# LILACIA PARK

Established 1927

## NATIONAL REGISTER OF HISTORIC PLACES DESIGNATION APPLICATION: LILACIA PARK

### **SUBMITTED TO**

LOMBARD HISTORIC  
PRESERVATION COMMISSION  
255 E. Wilson Ave.  
Lombard, IL 60148-3969

REVISED  
SEPTEMBER 28, 2018

### **SUBMITTED BY**

SWCA Environmental  
Consultants 200 W. 22nd St.  
Suite 220 Lombard, IL 60148



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

200 West 22nd Street, Suite 220  
Lombard, Illinois 60148  
Tel 630.705.1762  
www.swca.com

September 28, 2018

William Heniff  
Village of Lombard – Community Development Department  
255 E. Wilson Ave.  
Lombard, IL 60148-3969  
**Via email: [heniffw@villageoflombard.org](mailto:heniffw@villageoflombard.org)**

**Re: National Register of Historic Places Designation Application for Lilacia Park – Re-Bid**

Dear Mr. Heniff:

SWCA Environmental Consultants (SWCA) is pleased to submit this scope of work and cost estimate to the Village of Lombard, Illinois, for the preparation of a National Register of Historic Places Designation Application for Lilacia Park. SWCA's Lombard office is less than 4 miles from the park, and is the home office of SWCA's CEO, Joseph Fluder. As a resident of the Village, SWCA has a special interest in seeing the park nominated to the National Register.

SWCA is one of the largest employers of cultural resource experts in the United States. From historic architecture to cultural landscape studies, our depth and diversity of expertise provides our clients with the assurance that, whatever the challenge, we have the right expert on hand to reach effective resolutions.

Cultural resource staff in our Lombard office work closely with the Illinois Department of Natural Resources State Historic Preservation Office (SHPO) staff on a regular basis and our familiar with the Illinois guidelines for conducting research on historic properties.

If you have any questions regarding our proposal, feel free to contact me at [jmarcus@swca.com](mailto:jmarcus@swca.com) or 630.705.1762.

Sincerely,

A handwritten signature in blue ink, appearing to read "Julie Marcus". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Julie Marcus  
Principal



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# NATIONAL REGISTER OF HISTORIC PLACES DESIGNATION APPLICATION FOR LILACIA PARK

## PROJECT UNDERSTANDING

Lilacia Park has been an important cultural resource to the community of Lombard for generations. The park was constructed on land given to the Village of Lombard by Colonel William Plum and his wife, Helen. After the land was bequeathed to the village in 1927, the famous naturalist landscape architect Jens Jensen designed a park that featured his prairie style approach and his commitment to the humanizing power of nature, both of which can be seen in Lilacia Park today. Currently, the park contains 1,200 lilac hybrids in 275 varieties.

The Village of Lombard (the Village) is seeking a historical consultant to prepare a National Register of Historic Places (NRHP) nomination for Lilacia Park. The Illinois Department of Natural Resources State Historic Preservation Office (SHPO) has already determined that the park is eligible under Criterion A, Entertainment/Recreation. The Village is seeking a consultant to determine whether the park is eligible under Criterion C, Landscape Architecture.

Specifically, the Village is seeking a qualified consultant to complete the necessary background research, nomination forms, and consultation required to submit the NRHP nomination documentation to the SHPO and the Illinois Historic Sites Advisory Council (IHSAC), as well as working with both agencies to gain approval of the nomination. SWCA will use collected information to support the Illinois SHPO determination that Lilacia Park is eligible under Criterion A as well as determine whether the park is eligible under Criterion C.

The following proposal provides a scope of work for assembling the nomination documentation and associated consultation, SWCA Environmental Consultants' (SWCA's) qualifications, prior experience, and references, and a project budget and proposed timeline.

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*"Every Plant has fitness and must be placed in its proper surroundings so as to bring out its full beauty. Therein lies the art of landscaping."*

*-Jen Jensen*

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## SWCA'S QUALIFICATIONS

SWCA provides a full spectrum of environmental services focused on planning, natural and cultural resource management, air quality, permitting, regulatory compliance, and water resources and climate change consulting. We are an employee-owned firm of scientists, planners, and technical specialists who combine scientific expertise with in-depth knowledge of permitting and compliance protocols to achieve technically sound, cost-effective solutions for our clients.

SWCA was founded in 1981 and is headquartered in Phoenix, Arizona. With 30 offices throughout the United States and the Pacific Islands, we offer local expertise but also are able to rapidly pool resources in order to serve clients nationwide. The professionals on our growing team understand the full life cycle of client projects, from inception to completion.

With an office in Lombard and staff who reside in the area, including our Chief Executive Officer (CEO), SWCA is a local firm supported by a national network of subject matter experts. We have extensive experience conducting cultural landscape studies and are familiar with the documentation required to successfully nominate a historic property under Criterion C of the NRHP. Attached to this proposal is a financial stability letter demonstrating that SWCA has the financial capacity to handle the project.

Provided below are short biographical sketches of key project personnel. Resumes of project personnel are attached to this proposal.

**Anne Oliver, M.S., Architectural Historian.** Ms. Oliver is an Architectural Historian who meets the Secretary of the Interior's Qualifications for Historic Preservation (36 CFR Part 61), with a broad range of experience in the preservation and documentation of historic buildings, structures, and landscapes. Her work has focused both on the conservation of building materials and the history, documentation, and preservation of nineteenth- and twentieth-century architecture. Ms. Oliver oversees the historic resource coordination and consultation throughout the Midwest for SWCA's Lombard office and has considerable experience in the region, as well as broad national experience. She has substantial experience in conducting research, evaluating historic resources, preparing condition assessments, designing and implementing conservation treatment programs, and creating preservation plans for buildings and sites.

Ms. Oliver will be the principal investigator for the project and will provide senior level review for all documentation, direct consultation, and provide technical guidance for the project.

**Erica Birkner, M.A., Cultural Resource Specialist.** Ms. Birkner has over 16 years of experience throughout the Mid-Atlantic and Midwest. She is familiar with the Illinois SHPO guidelines and how to evaluate historic resources with regard to NRHP criteria. She has assisted with, and managed, architectural history surveys and reporting for a multitude of projects. Her familiarity with a variety of resources allows her to bring expertise and understanding to the project. She meets the Secretary of Interior's qualification standards for historic preservation.

Ms. Birkner's role on the project will be to conduct research, assemble the documentation, assist with the consultation process, and work with Ms. Oliver to ensure that the nomination is technically sound.

**Anastasia Gilmer, M.A., Cultural Resource Specialist.** Ms. Gilmer has 5 years of experience in cultural resource management, has an established relationship with the Illinois SHPO, and regularly conducts cultural resource consultation on a variety of projects within Illinois.

As a local resident of Lombard, Ms. Gilmer would be the point of contact for the project and would work with local stake holders to assemble the documentation necessary to demonstrate the park's NRHP eligibility.

**Tony Somers, RLA, PP.** Mr. Somers is a Licensed Landscape Architect and professional planner. His background includes the design and implementation of a diverse range of projects, including stream corridor restorations, urban pocket parks, commercial campus development, LID implementation, public charrettes, municipal green infrastructure guidelines, 3D visualizations, and photorealistic rendering.

His work on the project would be to provide technical interpretation of the design of the park and provide expert-level analysis in relation to the historic significance and integrity of Jens Jensen's design.

## PRIOR EXPERIENCE

SWCA's staff is very familiar with the requirements necessary to nominate historic resources and the documentation that needs to be assembled to ensure that the Illinois SHPO and the IHSAC have enough information to complete a thorough and efficient review of the NRHP nomination. The following SWCA projects demonstrate our capabilities and experience completing similar projects.

### WHITE PINE COUNTY PARKS HISTORIC ARCHITECTURE SURVEY, NEVADA

SWCA conducted an architectural survey of eight parks in White Pine County, Nevada. The goal of the survey was to create a historic context of each park; provide an inventory of architectural resources, including landscape features, within each park; and prepare a summary letter report to be used for management decisions. SWCA's architectural historians cataloged the park landscapes through background research, fieldwork, and reporting. Many of the lessons learned researching and classifying the landscapes of the parks in White Pine County are directly applicable to preparing the NRHP nomination of Lilacia Park.

### SANDY RUN ROAD UPGRADE, WEST VIRGINIA

SWCA conducted an architectural survey of Shirley, West Virginia, in response to the proposed improvement and construction of a road running through the town. As part of the survey, SWCA prepared the NRHP documentation for the Kemper House, a late-nineteenth to early-twentieth-century boarding house that would be demolished by the proposed project. SWCA recommended the building was eligible for listing in the NRHP under Criteria A, B, and C. The West Virginia SHPO agreed with the recommendation, and SWCA worked with the client, the SHPO, and local stakeholders to ensure proper mitigation was conducted, including oral interviews, scaled drawings, and detailed historic research.

### HISTORIC CONTEXT DEVELOPMENT FOR THE VERNAL FIELD OFFICE OF THE BUREAU OF LAND MANAGEMENT AND THE UTAH STATE HISTORIC PRESERVATION OFFICE

SWCA helped the Bureau of Land Management (BLM) and the Utah SHPO assemble formal multiple property NRHP nominations to establish contextual framework for evaluating the NRHP eligibility of three very common site types found in the area: prehistoric temporary camps, Historic period sheep and cattle ranching sites, and Historic period canals. SWCA emphasized the assessment of these resources based on the individual resource's contribution to history on the landscape and regional level. Using the cultural landscape framework, SWCA was able to provide a context to the BLM and the SHPO to help determine eligibility of resources recorded in the future.

### NATIONAL REGISTER NOMINATION OF THE DOWNTOWN HOUSTON POST OFFICE, PROCESSING, AND DISTRIBUTION CENTER

As part of a planned tax credit project, SWCA drafted a formal NRHP nomination of the central post office building in Houston. The building was constructed in the 1960s in the modernist governmental school of design. Taking a

landscape approach, SWCA was able to formulate an NRHP nomination that took into account the building and the surrounding meticulously planned plazas, which were critical to the building’s historic significance and integrity.

## REFERENCES

Below are three references familiar with SWCA’s cultural resource work.

CLIENT INFORMATION	
Tyler Thigpen Environmental & Regulatory Manger	Antero Resources 1615 Wynkoop Street, Denver, CO 80202 (303) 357-6763; tthigpen@anteroresources.com
PAST EXPERIENCE	
Cultural resource support for pipeline, well pad, and natural gas related infrastructure. Familiar with SWCA’s historic architectural services, and oversaw the Sandy Run Road Upgrade Project.	

CLIENT INFORMATION	
Michael Beardsley Principal	BL Companies 4242 Carlisle Pike, Suite 260, Camp Hill, PA 17011 (717) 943-1687; mbeardsley@blcompanies.com
PAST EXPERIENCE	
Cultural resources services in support of a variety of telecommunication projects. SWCA routinely provides cultural resource screening services for BL Companies, as well as archaeological and historic architecture support.	

CLIENT INFORMATION	
Jackson R. Lamb, MBA, PMP Senior Environmental Specialist	TransCanada 700 Louisiana Street, Rm. 14134-C, Houston, TX 77002 (832) 320-5933; Jackson_Lamb@transcanada.com
PAST EXPERIENCE	
Cultural resources survey and consultation for natural gas development in Illinois.	

## SCOPE

The following scope of work is based on the Request for Proposals provided by the Village Historic Preservation Commission. The work will progress from the formulation of the formal NRHP documentation to the submission of the application to the Illinois SHPO and the IHSAC. The specific tasks are outlined below.

### TASK 1: COMPLETION OF THE NATIONAL REGISTER APPLICATION FORM

SWCA will work with the Historic Preservation Commission and local stakeholders to complete the National Register Application Form for Historic Lilacia Park. This task will also include the creation of a site plan, a geographic information system (GIS) map, and photographs, taken in accordance with National Park Service guidelines. All work under this task will be completed in according with guidelines established by the Illinois SHPO, the IHSAC, and the National Park Service (*National Register Bulletin 18: How to Evaluate and Nominate Designed Historic Landscapes*).

Based on the guidance provided in the aforementioned sources, SWCA will conduct detailed background research using the sources available at the Lombard Historical Society, Lombard Historic Preservation Commission, the Lombard Park District, and the Lombard Garden Club, online sources, the Jens Jensen Legacy Project, and other relevant sources (i.e., the Cultural Landscape Foundation, Chicago Park District, etc.). SWCA understands that there is an extensive collection of relevant research materials available at the Lombard Historical Society. SWCA will coordinate the background research with staff at the Lombard Historical Museum, which is where these collections are housed. In addition, SWCA will work closely with staff from the Lombard Historical Society to identify areas where historical society staff will be able to assist with research objectives.

Building on this research, SWCA will conduct fieldwork in the park, recording specific features with a handheld GPS capable of sub-meter accuracy. The GPS data will then be processed and transformed into a site map. The site map will be used to compare Jens Jensen’s 1929 planting blueprints and his 1930 final plan with the current park to determine whether the park retains Jensen’s original design. The background research and the site plan and photographs will be synthesized in a narrative description of historic features and function of the park, an analysis of the park’s design and characteristics, and an evaluation of the Lilacia Park’s significance and integrity in relation to Criterion A and Criterion C. Where possible, SWCA will engage with the Lombard Historical Society staff to assist with preparation of the nomination form. The result will be a completed application for listing Lilacia Park in the NRHP.

## TASK 2: CONSULTATION

Following the completion of the NRHP application form, SWCA will work with project stakeholders to ensure that the review and ultimate approval of the nomination for Lilacia Park is a smooth process. This task will primarily include a presentation at the IHSAC meeting that discusses the significance and integrity of Lilacia Park, along with one public meeting at the Lombard Historic Preservation Commission meeting one month before the IHSAC meeting.

### Assumptions

In preparing the scope and cost estimate for this project, SWCA assumes the following:

- Lilacia Park is eligible for listing in the NRHP under Criterion A and Criterion C.
- One round of review will be required to address comments on the draft nomination.

## SCHEDULE

*Table 1. SWCA's Estimated Timeline (Timeline is just an estimate based on the Re-Bid of the proposed work. SWCA anticipates that the proposed 2019 schedule in the RFP can still be met.)*

TASK	ESTIMATED TIMELINE
Task 1: Completion of the National Register Application Form	October 15 – December 15, 2018
Task 2: Consultation	Dependent on Lombard Historical Commission and IHSAC Meeting Schedule

## COST

*Table 2. SWCA's Estimated Cost*

TASK	ESTIMATED COST
Task 1: Completion of the National Register Application Form	\$9,450
Task 2: Consultation	\$2,450
<b>Total Cost:</b>	<b>\$11,900</b>

SWCA

APPENDIX A:  
Resumes

## ERICA BIRKNER, M.A., RPA, CULTURAL RESOURCES SPECIALIST

Ms. Birkner is a Cultural Resource Specialist with 16 years of cultural resources project experience throughout the Mid-Atlantic and Midwest. She has managed historic architecture surveys for a variety of projects and has a strong understanding of National Register criteria and how they apply to buildings, structures, and landscapes. Through her diverse project experience, she has gained firsthand knowledge of State Historic Preservation Office (SHPO) guidelines. Ms. Birkner is an active member of several professional architectural societies, and is a published historian.

### YEARS OF EXPERIENCE

16

### EXPERTISE

Meets the Secretary of Interior's qualifications for an Archaeologist and Historic Preservation

Viewshed Analysis

Lab Management

Historic and Lithic Artifact Analysis

### EDUCATION

M.A., Old Testament and Archaeology; Pittsburgh Theological Seminary, Pittsburgh, Pennsylvania; 2004

B.A., Anthropology e: Geology, Psychology; University of Pittsburgh, Pittsburgh, Pennsylvania; 2000

### REGISTRATIONS / CERTIFICATIONS

Registered Prof. Archaeologist, Pennsylvania No. 35146261; 2015

### TRAINING

HABS/HAER/HALS Documentation

Section 106 and Historic Preservation, Ohio Heritage Conference

Section 106 Essentials Course, Advisory Council on Historic Preservation

### MEMBERSHIPS

Member, Vernacular Architecture Forum

Member, Preservation Pittsburgh

Member, Society of Architectural Historians

### SELECTED PROJECT EXPERIENCE

**Alta Well Pad Delineation; Tyler County, West Virginia.** SWCA conducted a historic architecture for in response to the proposed construction of a natural gas well pad. SWCA recommended that two adjacent properties were eligible for listing on the National Register of Historic Places. The West Virginia SHPO agreed with this determination. In conjunction with local stake holders, the SHPO and the client, SWCA prepared HABS Level II documentation of the adversely effected properties. *Role: Cultural Resources Specialist. Responsibilities included architectural fieldwork, report writing, and CRGIS desktop analysis.*

**Sandy Run Road Upgrade; Tyler County, West Virginia.** SWCA provided environmental service for the Sandy Run Road Upgrade that involved the above-ground property survey of the APE for the proposed improvement and construction of an access road. Improvement and construction of the access road included the demolition of the NRHP Eligible Kemper House. Cultural resource services included a cultural resources desktop analysis for the State Preservation Historic Office (SHPO) submittal, and HABS Level I documentation of the adversely effected Kemper House. *Role: Cultural Resources Specialist. Responsibilities included architectural fieldwork, report writing, and CRGIS desktop analysis.*

**Telecommunication Projects; Maryland, New Jersey, New York.** SWCA provided a GIS based viewshed analysis for various locations throughout the Mid Atlantic. SWCA field verified the GIS based viewshed and located potentially eligible above-ground resources within line-of-site to telecommunication towers. *Role: Cultural Resources Specialist. Responsibilities included architectural fieldwork, report writing, and CRGIS desktop analysis.*

**Road Improvement; West Virginia, Pennsylvania.** SWCA provided environmental service for multiple road improvements throughout most of West Virginia that involved the above-ground property survey of the APE for proposed road improvements. *Role: Cultural Resources Specialist. Responsibilities included architectural fieldwork, report writing, and CRGIS desktop analysis.*

**Pleasant View Welding Project; Chester County, Pennsylvania.** SWCA prepared Historic Resource Survey Form (HRSF) for potentially eligible farmstead slated for demolition for construction of a large commercial buildings, macadam parking areas, and associated infrastructure. *Role: Cultural Resources Specialist. Responsibilities included completing HRSF, and CRGIS desktop analysis.*

**MEMBERSHIPS (CONT...)**

Member, Society for Pennsylvania Archaeology

Treasurer, Indiana Township Historical Commission

**PUBLICATIONS**

Birkner, Erica A. *Indiana Township: Images of America*. Charleston: Arcadia Publishing, 2012. Print.

**Archaeological Survey Support for Langley Air Force Base on Joint Base Langley-Eustis, Hampton County, Virginia; Colorado State University Center for Environmental Management of Military Lands.** SWCA provided A Phase I Archaeological Resource Survey at nine discrete Military Construction (MILCON) sites within Langley Air Force base. The Phase I survey included the identification and location of above-ground resources within the boundaries of these sites. *Role: Cultural Resources Specialist. Wrote architectural report; coordinates lab and artifact curation; performs CRGIS desktop analysis.*

**Kinder Morgan Utopia Pipeline Projects; Fulton and Harrison Counties, Ohio.** SWCA is currently providing wetland, threatened and endangered species, and cultural resources inventories (Phase I archaeological survey, Phase II testing, and above-ground property survey of the area of potential effect (APE)) for a 220-mile pipeline. Other services provided include Indiana and Northern long-eared mist net inventories. *Role: Cultural Resources Specialist. Conducts viewshed analysis for entire pipeline; writes architectural components of reports.*

**Well Pad and Pipeline Development Projects; Pennsylvania, West Virginia, and Ohio.** SWCA provided consulting and engineering services for numerous well pad and pipeline development projects in Pennsylvania and West Virginia. The projects consist of land survey, environmental, engineering, geotechnical, and construction oversight services associated with the permitting and construction of proposed well pads and waterlines. *Role: Cultural Resources Specialist. Writes architectural reports; coordinates lab and artifact curation; performs CRGIS desktop analysis.*

**Pipeline Project Environmental Services; Pennsylvania.** For this pipeline construction project, SWCA is providing environmental services including facilitating a Chapter 105 Joint Permit Application (JPA) with the U.S. Army Corps of Engineers (USACE), a cultural resources desktop review, CRN, historic viewshed analysis in compliance with the Pennsylvania Historical and Museum Commission (PHMC), the testing of 200 aquatic resource crossings, developing a final report for the PHMC, and obtaining PHMC clearance. *Role: Cultural Resources Specialist. Responsibilities included architectural report writing and CRGIS desktop analysis.*

**Compressor Station Environmental Services; West Virginia.** SWCA provided environmental service for this project that involves the above-ground property survey of a farmstead of the APE for the proposed construction of an above-ground compressor facility and access road. Cultural resource services including a cultural resources desktop analysis for the State Preservation Historic Office (SHPO) submittal. *Role: Cultural Resources Specialist. Responsibilities included architectural report writing and CRGIS desktop analysis.*

**Replacement Bridge Architectural Resources Survey; West Virginia.** SWCA provided cultural resource services for a bridge replacement project in downtown Webster Springs, West Virginia. Services included historic structures documentation, analysis, background research, and the development of a visual impact model. *Role: Cultural Resources Specialist. Responsibilities included; field work, interviews, architectural report writing, and CRGIS desktop analysis.*

## ANASTASIA GILMER, M.A., RPA, CULTURAL RESOURCE SPECIALIST

Ms. Gilmer has over 5 years of professional experience in the field of cultural resource management in the midwestern, eastern, and southern United States. She meets the Secretary of Interior's qualifications for an archaeologist and is a member of the Register of Professional Archaeologists (RPA). Ms. Gilmer has managed and assisted in the management of Phase I, II, and III projects throughout all phases of work; including, research design, fieldwork, artifact analysis, and technical report preparation. Ms. Gilmer has regulatory and permitting experience and has managed an array of prehistoric and historic projects requiring coordination with regulatory agencies. She has participated in multiple projects simultaneously, while meeting deadlines within scope, budget, and schedule constraints. Ms. Gilmer has particular expertise in geoarchaeology, the analysis and interpretation of sediments, soils, and landforms as relevant to archaeological sites.

### YEARS OF EXPERIENCE

6

### EXPERTISE

Archaeological surveying, testing, data recovery, and monitoring

Geoarchaeology, including knowledge of in field soil descriptions as well as laboratory methods for sediment and soil analyses

Meets the Secretary of Interior's qualifications for an Archaeologist

### EDUCATION

M.A., Anthropology; Texas State University, San Marcos, Texas; 2013

B.S., Geology, m: Anthropology; Texas A&M University, College Station, Texas; 2010

### REGISTRATIONS / CERTIFICATIONS

Registered Professional Archaeologist

### TRAINING

Section 106 Essentials Course, Advisory Council on Historic Preservation; 2015

### MEMBERSHIPS

Member, Register of Professional Archaeologists; 2014-present

Member, Illinois Association for Advancement of Archaeology; 2017-present

Scientist, SWCA's Science Leadership Program; 2018-present

### SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**NuStar Illinois Ammonia Pipeline Environmental Survey; Macoupin, Montgomery, and Shelby Counties, Illinois; NuStar PL Operating Partner, L.P.** – SWCA is providing ongoing Phase I cultural resources survey and natural resources survey and permitting support for various upgrades to an existing ammonia pipeline in southern Illinois. *Role: Field Director. Responsibilities included leading field crew, site identification, coordination with project personnel, and report preparation.*

**Replace Conventional Groundbed; Washington County, Wisconsin; TransCanada PipeLines, Ltd.** – SWCA provided Phase I cultural resources survey and natural resources survey and permitting support for upgrades to an existing pipeline in southeastern Wisconsin. *Role: Principal Investigator. Responsibilities included preparation of Phase I work plan, coordination with project personnel, leading fieldwork, reporting, and consultation with the regulatory agency.*

**Replace Conventional Groundbed; Muscatine County, Iowa; TransCanada PipeLines, Ltd.** – SWCA provided Phase I cultural resources survey and natural resources survey and permitting support for upgrades to an existing pipeline in eastern Iowa. *Role: Principal Investigator. Responsibilities included preparation of Phase I work plan, coordination with project personnel, leading fieldwork, reporting, and consultation with the regulatory agency.*

**Confidential Pipeline Cultural Resources Phase I; Michigan; Confidential Client** – SWCA provided a Phase I cultural resources survey for a section of pipeline to be replaced on federally managed land in Michigan. *Role: Principal Investigator. Responsibilities included preparation of Phase I work plan, coordination with project personnel, leading fieldwork, data analysis, reporting, and consultation with the regulatory agency.*

**Chequamegon National Forest Cultural Resources Phase I; Bayfield County, Wisconsin; Confidential Client** – SWCA provided a Phase I cultural resources survey for 1.16 miles of pipeline and two access roads on USFS property in northern Wisconsin. *Role: Field Director. Responsibilities included leading field crew, site identification, and coordination with project personnel.*

**ComEd AC Mitigation Surveys and Permitting; Will County, Illinois; Northern Border Pipeline Company** – SWCA provided environmental services to support permitting for the Northern Border Pipeline Mid-States Area AC Mitigation Installation Project. Services included state and federal agency consultation, waters of the U.S. survey and habitat assessment, cultural resource investigations, environmental permitting, and permit closeout support. *Role: Field Technician. Responsibilities included conducting field survey and site identification.*

**Confidential Project Archaeological Services; New York; Confidential Client** – SWCA provided full environmental support including project planning and management, biological surveys, cultural resource surveys and permitting. *Role: Geoarchaeologist. Responsibilities included an analysis and interpretation of sediments, soils, and landforms as relevant to the archaeological materials within the project area. This analysis served to inform future phases of archaeological work within the project area.*

**\*Archeological Monitoring of the Capers Ridge Interim Access Road, Luce Bayou Interbasin Transfer Project; Liberty County, Texas; Coastal Water Authority** – Archeological monitoring of the 5.5 mile long Capers Ridge Interim Access Road to be built on Capers Ridge, a Traditional Cultural Property. *Role: Principal Investigator. Oversaw the execution and successful completion of the project. Coordinated with client, regulatory agency, and the in-house staff.*

**\*Cultural Resources Subsurface Survey and Archeological Monitoring at the Nau Center for Texas Cultural Heritage; Harris County Texas; City of Houston** – Subsurface survey, construction monitoring, and excavation of historic archaeological features associated with residences in one of Houston's oldest neighborhoods. *Role: Project Archaeologist. Responsibilities included conducting excavations, feature identification, coordination with project personnel, and report preparation.*

**\*Testing Excavations at 41FB346; Fort Bend County, Texas; Fort Bend County Facilities** – Archeological test excavations at Site 41FB346. *Role: Principal Investigator. Oversaw the execution and successful completion of the project. Coordinated with client, regulatory agency, and the in-house staff.*

**\*A Cultural Resource Survey of a 5.8-acre Potential Fort Bend County Tract; Fort Bend County, Texas; Fort Bend County Facilities** – Fort Bend County Survey Project. *Role: Principal Investigator. Oversaw the execution and successful completion of the project. Coordinated with client, regulatory agency, and the in-house staff.*

## RECENT RESEARCH, PRESENTATIONS, AND PUBLICATIONS

Collins, Michael, Sergio Ayala, Nancy Littlefield, Anastasia Gilmer, and D. Clark Wernecke. 2013. "Older-than-Clovis and Clovis at the Gault Site, Texas." Poster presented at the Paleoamerican Odyssey Conference, Santa Fe.

Gilmer, Anastasia. 2012. Geoarchaeological Investigations of Natural Site Formation Processes at the Gault Site, A Paleoindian and Pre-Clovis Site in Bell County, Texas. Paper presented at the annual meeting of the Texas Academy of Science, Alpine.

Gilmer, Anastasia. 2012. "Geoarchaeological Investigations of Natural Site Formation Processes at the Gault Site, A Paleoindian and Pre-Clovis Site in Bell County, Texas." Poster presented at the annual meetings of the Texas Archaeological Society, Tyler.

Gilmer, Anastasia. 2012. "Geoarchaeological Investigations of Natural Site Formation Processes at the Gault Site, A Paleoindian and Pre-Clovis Site in Bell County, Texas." Poster presented at the annual meetings of the Geological Society of America, Charlotte.

Gilmer, Anastasia and John R. Ferguson. 2015. "Life Along the Brazos: Testing at a Possible Tenant Home in Fort Bend County, Texas." Poster presented at the annual meetings of the Texas Archaeological Society, Houston.

Gilmer, Anastasia and Charles Frederick. 2014. "Geologic Context of the Older-than-Clovis Archaeological Material in Area 15 at the Gault Site." Poster presented at the annual meeting of the Society for American Archaeology, Austin.

Gilmer, Anastasia and Graf, Kelly E. 2010. "Granulometry Study of the Terminal Pleistocene-aged Sediments from Bonneville Estates Rock Shelter." Poster presented at the annual meeting of the Society for American Archaeology, St. Louis.

Heisinger, Bryan and Anastasia Gilmer. 2014. "Fluvial Gradient Profile and Sedimentation at Gault Site, Texas." Poster presented at the annual meeting of the Society for American Archaeology, Austin.

Thomas J. Williams, Michael B. Collins, Kathleen Rodrigues, W. Jack Rink, Nancy Velchoff, Amanda Keen-Zebert, Anastasia Gilmer, Charles D. Frederick, Sergio J. Ayala, Elton R. Prewitt. 2018. Evidence of an Early Projectile Point Technology in North America at the Gault Site, Texas, U.S.A. *Science Advances* 4(7).

## ANNE OLIVER, M.S., ARCHITECTURAL HISTORIAN AND CONSERVATOR

Ms. Oliver is the Historic Architecture Team Lead in SWCA's Salt Lake City office and a Principal Investigator for architectural history and historic preservation throughout the company. She is trained as an architectural historian and conservator and has a broad range of experience in the preservation of historic buildings and archaeological sites.

Her work has focused both on the conservation of building materials and the history, documentation, and preservation of 19th and 20th century architecture in the western and mid-Atlantic regions of the United States. Ms. Oliver has considerable experience in conducting research, evaluating historic resources, preparing condition assessments, designing and implementing conservation treatment programs, and creating preservation plans for buildings and sites. Her work with multiple federal and state agencies and local governments in Nevada, Utah, Idaho, Wyoming, Colorado, New Mexico, West Virginia, Ohio, and Pennsylvania gives her insight into the intersection of the public and private sectors in heritage management.

### YEARS OF EXPERIENCE

23

### EXPERTISE

Preservation of historic buildings and structures

Architectural history of western U.S.

Archival research

Archaeological site conservation and management

Conservation of stone, plaster, and earthen materials

Historic paint analysis

### EDUCATION

M.S., Historic Preservation; University of Pennsylvania; 1994

B.A., Interdisciplinary Studies; University of Virginia; 1989

### TRAINING

Section 4(f) Training, U.S. Department of Transportation, 2013

### PROFESSIONAL AFFILIATIONS

Peer Reviewer and 2017 Chapter Conference Organizing Committee, Association for Preservation Technology

Member and 2017 National Conference Organizing Committee, Vernacular Architecture Forum

Member, Citizens' Advisory Committee for Salt Lake City Historic Preservation Plan

Architectural Assessor for Museums, Conservation Assessment Program of the Foundation of the American Institute for Conservation

Past Chair, Salt Lake City Historic Landmark Commission

### SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**Crow Reservation Irrigation Project Cultural Resource Surveys; Crow Agency; Bartlett & West, Inc., Big Horn County, Montana.** While a federal irrigation project had been planned on Montana's Crow Reservation since 1903, its first dam was not completed until 1941, and additional works not built until 1961. Assistance from the US Bureau of Reclamation to the Crow Tribe Water Resources office will rebuild and improve the Crow Irrigation Project. SWCA evaluated historic-age properties on the reservation, including a school, a church, and homesteads, for effects of the undertaking under Section 106, and provided Class I and Class III investigations for the Crow Irrigation Project prior to maintenance to improve overall operability, efficiency, and safety of the system. *Role: Principal Investigator. PI for architectural reporting.*

**Hayden Heritage Center Conservation Assessment; Institute of Museum and Library Services; Hayden, Routt County, Colorado.** SWCA is providing building assessment services for the Hayden Heritage Center as part of the Collections Assessment for Preservation (CAP) Program, which is designed to help museums receive prioritized recommendations for museum and collections care. The assessment includes interviews with staff and governing officials and results in a comprehensive collections and building preservation plan. *Role: Project Manager / Assessor.*

**Historic Context for Sheep Camps and Ranching-Related Resources in the Uinta Basin; Bureau of Land Management, Vernal Field Office; Duchesne, Uintah, and Daggett Counties, Utah.** SWCA researched and prepared a historic context and National Park Service multiple property documentation form for sheep ranching-related resources in the Uinta Basin of eastern Utah. *Role: Principal Investigator. PI for context research and preparation, public outreach and consultation.*

**Historic Context for Irrigation Systems in the Uinta Basin; Bureau of Land Management, Vernal Field Office; Duchesne, Uintah, and Daggett Counties, Utah.** SWCA researched and prepared a historic context and National Park Service multiple property documentation form for irrigation resources in the Uinta Basin of eastern Utah. *Role: Principal Investigator. PI for context research and preparation, public outreach and consultation.*

**Lincoln County Historic Context for Ranching and Farming; U.S. Bureau of Land Management; Lincoln County, Nevada.** Using a grant awarded by the Lincoln County Archaeological Initiative, SWCA prepared a historic context for ranching and farming in the county, including a comparative analysis with these activities in northern Nevada and the larger region. Also conducted oral interviews with ranching families, an architectural reconnaissance survey of the county, and an archaeological survey of areas on public land to identify remaining sites and structures associated with historic ranching and farming activities. *Role: Principal Investigator and Project Manager.*

**NDOT On-Call Architectural History Services Contract; Nevada Department of Transportation; Multiple Counties, Nevada.** SWCA is contracted to conduct multiple architectural surveys under this on-call contract. *Role: Project Manager. Secured on-call contract to provide environmental resource services to all NDOT regions.*

**Park City Historic Preservation Consulting Services; Park City Municipal Corporation; Park City, Summit County, Utah.** SWCA provides on-call historic preservation consulting services for the city. *Role: Historic Preservation Specialist. Attended weekly Design Review Team meetings to provide expertise regarding appropriate new construction and changes to existing buildings in Park City's historic districts. Also assisted in preparation of preservation plan for historic McPolin Farmstead.*

**Park City Mountain Resort Historic Mining Resources Preservation Plan; Vail Resorts Management Company; Summit County, Utah.** SWCA prepared a historic preservation and treatment plan for 25 historic mining buildings and structures associated with silver mining in the Wasatch Mountains and now on ski area property. *Role: Project Manager. Conducted fieldwork and condition assessments, and supervised preparation of final report.*

**Pipeline Cultural Resources Survey; Confidential Client; Multiple Counties, West Virginia.** SWCA conducted archaeological and architectural surveys to evaluate potential effects of gas and oil pipelines and associated infrastructure as part of Section 106 compliance. *Role: Principal Investigator. PI for architectural reports.*

**SR-248 Environmental Assessment; H.W. Lochner, Inc.; Summit County, Utah.** SWCA conducted architectural and archaeological inventories and prepared assessment reports, including NRHP eligibility recommendations, as part of an Environmental Assessment (EA) evaluating the possible impacts of improvements to the SR-248 corridor, which is a joint project undertaken by UDOT and Park City. *Role: Project manager, PI for architectural survey and reporting.*

**Terracon Section 106 Assistance; Terracon, Inc.; Multiple Counties, Utah, Idaho, and Wyoming.** SWCA conducted cultural resources surveys evaluating the impacts of about 30 proposed telecommunications facilities. *Role: Project Manager. Supervised fieldwork for archaeological and historic buildings surveys, and the preparation of summary reports and Federal Communications Commission standard forms. Served as liaison with state historic preservation offices.*

**UDOT On-Call Architectural History Services Contract; Utah Department of Transportation; Multiple Counties, Utah.** For the past four years, SWCA has provided on-call architectural history surveys and assessments under this contract, including reconnaissance and intensive surveys and NRHP eligibility evaluations. *Role: Project Manager. Secured on-call contract to provide architectural history services to UDOT.*

**\* USDA Forest Service Region 4 Architectural History Services; U.S. Department of Agriculture; Nevada, Idaho, and Utah.** Documented and researched the history of numerous administrative sites (dwellings, fire lookouts, guard stations, visitor centers, summer camps, etc.) and bridges in Region 4 (Utah, Idaho, and Nevada) to determine eligibility for the National Register of Historic Places (NRHP). Selected projects: Prepared HABS Level I documentation for both Belmont Mill (Nevada) and Cedar City CCC Automotive Central Repair Shop (Utah). Documented the Robinson Bar Bridge, a 1909 steel truss bridge near Stanley, Idaho, to HABS/HAER Level III standards. Developed historic contexts for and evaluated eligibility of the Sawtooth National Recreation Area headquarters and two bridges on the Sawtooth National Forest (NF), three bridges on the Wasatch-Cache NF, the Magnolia Residence in Tonopah and the Fir Street Administrative Site in Elko, both on the Humboldt-Toiyabe NF. Conducted an intensive-level survey of the Pettit Lake and Easley Recreation Residence Tracts on the Sawtooth NF to provide a framework for the preservation, interpretation and evaluation of the 42 historic log cabins and summer home tracts. *Role: Project Manager / Historian. Responsible for overall project management, fieldwork and preparation of surveys and reports. \*Work prior to 2013 conducted with Oliver Conservation Group.*

**Uintah Basin Energy and Transportation Study Phase 2 and 3; HDR, Inc.; Multiple Counties, Utah.** SWCA was responsible for all architectural history work associated with this UDOT project. This included a selective reconnaissance survey along two proposed railroad alignments extending through Uintah, Duchesne, Carbon, and Utah Counties. In total 47 historic properties were identified and evaluated along

approximately 100 linear miles of survey area, many of which were associated with agricultural activities in the Uintah Basin. *Role: Project Manager and Principal Investigator. PI for architectural surveys and reporting.*

**Utah Asian and Pacific Islander Literature Review; Utah State Historic Preservation Office; All Counties, Utah.** SWCA completed a Class I literature review to identify Asian and Pacific Islander heritage sites in Utah, then prepared a context for Asian and Pacific Islander history in the state using primary and secondary sources, incorporating the results of a UTSHPO file search, and using the combined information to identify both known and potential resource types (sites, buildings, structures, objects, and districts) that may meet NRHP criteria. *Role: Project Manager / Historian. Responsible for overall project management and principal author of final report.*

## RECENT RESEARCH, PRESENTATIONS, AND PUBLICATIONS

Oliver, Anne. 2017. "How Beautiful Upon the Mountains? Preservation Problems and Solutions for Park City's Abandoned Mine Sites." Association for Preservation Technology Rocky Mountain Chapter Symposium, Salt Lake City, Utah, March 24, 2017.

Oliver, Anne and Kaitlyn Hovanec. "Making a Place in the Beehive State, Part I: Chinese History and Cultural Sites in Utah." In preparation for submittal to *Utah Historical Quarterly* for peer review, June 2017.

Oliver, Anne and Kaitlyn Hovanec. "Making a Place in the Beehive State, Part II: Japanese, Korean, and Filipino History and Cultural Sites in Utah." In preparation for submittal to *Utah Historical Quarterly* for peer review, June 2017.

Oliver, Anne, Anya Grahn, and Hannah Tyler. 2017. "Boomtown: From Mining to Skiing in Park City." Vernacular Architecture Forum, Salt Lake City Conference Tour Guidebook.

Lechert, Stephanie, Sheri Murray Ellis, and Anne Oliver. 2017. "A Phoenix from the Ashes: Interpreting Destruction and Reconstruction at Salt Lake City's Denver and Rio Grande Western Railroad Maintenance Facility." *Utah Archaeology* (pending, accepted for publication).

Oliver, Anne. 2015. "Making a Place in the Beehive State: Asian and Asian-American Heritage Sites in Utah, 1865-1940." Presentation at Utah State History Annual Conference, October 2, 2015.

Oliver, Anne. 2011. "Historic American Engineering Record, Belmont Mill, Powerhouse, HAER No. NV-46-B." Online sample of a HAER historic report at <http://www.nps.gov/history/hdp/samples/HAER/NV-46-B.pdf>.

Oliver, Anne. 2011. "How to Document Your Historic Building." Presentation at Utah Heritage Foundation Annual Conference, May 12-13, 2011, Salt Lake City, Utah.

Oliver, Anne. 2008. Chapters entitled "Conservation of Earthen Archaeological Sites," "Modified Earthen Materials," and "Conservation of Non-decorated Earthen Materials" in Erica Avrami et al. (eds.), *Terra Literature Review: An Overview of Research in Earthen Architecture Conservation*. Los Angeles: Getty Conservation Institute.

Oliver, Anne. 2009. Historical American Buildings Survey documentation of Cedar City Automotive Central Repair Shop (CCC Central Automotive Repair Shop), HABS UT-139. Written Historical and Descriptive Data. Library of Congress, Washington D.C. Available online at: <http://www.loc.gov/pictures/collection/hh/item/ut0702/>.

Oliver, Anne. 2007. "The Interplay of Ideology and Tradition in the Creation of a New Architectural Form at the San Antonio Missions of New Spain." Presentation at Association for Preservation Technology Annual Conference, November 4-7, 2007, San Juan, Puerto Rico.

## TONY SOMERS, RLA, PP, LANDSCAPE ARCHITECT - PLANNER - PROJECT MANAGER

As both a Landscape Architect and Licensed Planner, Tony Somers offers a broad range of professional expertise complemented by a seasoned business acumen. Mr. Somers Landscape Architecture background includes the design and implementation of a diverse range of projects that include stream corridor restorations, urban pocket parks, commercial campus development, LID implementation, public charrettes, municipal green infrastructure guidelines, 3D visualizations, and photorealistic rendering.

As a Professional Planner, his expertise in areas such as land use development, environmental analysis, urban planning, community redevelopment, and municipal bylaw improvements compliments his design proficiency. Mr. Somers blends innovative design techniques with a strong analytical and regulatory acuity to create ecologically-conscious and socially-engaging spaces that exceed client expectations.

### YEARS OF EXPERIENCE

8

### EXPERTISE

Licensed Landscape Architect

Licensed Professional Planner

Green infrastructure design and Stormwater BMP guideline development

Stormwater design and BMP design standards

Ecological design and planning

Restoration design and planning

Ecological Restoration design

Wetland mitigation planning and design

Wetland restoration assessment, design and monitoring

Sustainable/low-impact development design

GIS/CAD/GPS planning and mapping

Feasibility assessments and buildout analysis

Landscape design charrettes and public presentations

Stream and river assessment and natural channel design

Site plan development and construction detailing

### SELECTED PROJECT EXPERIENCE (\* denotes project experience prior to SWCA)

**Mount Auburn Cemetery Lake and Water Assessment; Mount Auburn Cemetery; Cambridge, Middlesex County, Massachusetts.** This project sought to improve the aesthetic and environmental quality of two lakes within this historic landmark. SWCA performed an environmental assessment of the health and quality of each lake's aquatic and vegetative communities. SWCA then developed planting designs for each lake to improve the aesthetic environmental and habitat value along each lake's edge. *Role: Landscape Architect. Pond fringe and aquatic bench planting design.*

**Connecticut Estate Pond Creation; Reed Hilderbrand, LLC; Washington, Litchfield County, Connecticut.** The project entailed landscape improvements within a residential estate in Washington, CT. SWCA provided technical and design expertise to create a new pond on the property. *Role: Environmental Specialist. Development of a residential pond layout and details.*

**DCR Multi-use Trail Repair and Maintenance Project; Massachusetts Department of Conservation and Recreation; Multiple Counties, Massachusetts.** SWCA provided DCR with a range of services including trail design, repair, and maintenance. SWCA assisted in the development of the trail system at Greylock Glen in Adams, MA. A component of trail design was botanical surveys of proposed trail development and repair locations to determine locations of any nearby rare plant species to be protected during construction activities. *Role: Project Manager. Trail restorations and improvements. Development of new trail systems to bypass sensitive areas.*

**Connecticut River Erosion Control Work for 2017; FirstLight Power Resources Services, LLC; Northfield, Franklin County, Massachusetts** – Provide permitting, design, and restoration services in compliance with FERC licensing requirements at hydro-electric facility on the Connecticut River. *Role: Landscape Architect.*

**\* City of Summit Downtown Redevelopment; City of Summit, Union County, New Jersey; City of Summit** – The City of Summit engaged our services to develop a master plan for the future vision of their downtown commercial district. Upon City approval of the downtown master plan we were requested to implement several of Ordinance modifications and physical design improvements throughout the downtown. Design improvements included streetscape beautification of the main downtown corridor and ADA accessibility sidewalk upgrades. We also redesigned several of the downtown

3D, photorealistic, perspective and conceptual visualizations

#### EDUCATION

M.L.A., Landscape Architecture; Virginia Polytechnic Institute & State University; Alexandria, VA; 2012

Natural Resources Graduate Certificate; Virginia Polytechnic Institute & State University; Alexandria, VA; 2011

B.B.A., Marketing; Radford University; Radford, VA; 1998

International Business Study Abroad Program; Vienna, Austria; Radford University; Radford, VA; 1998

#### REGISTRATIONS / CERTIFICATIONS

New Jersey Registered Professional Planner, New Jersey No. 33LI00634100; 2017

Massachusetts Registered Landscape Architect, Massachusetts No. 4220; Commonwealth of Massachusetts; 2017

New Jersey Registered Landscape Architect, New Jersey No. 21AS00122600; 2016

#### AWARDS / HONORS

Edward B. Ballard Scholarship

Outreach Award

#### MEMBERSHIPS

Member, American Society of Landscape Architects

pocket parks for improved multi-purpose usability. *Role: Landscape Architect / Land Use Planner.*

\* **City of Summit September 11th Memorial Redesign; City of Summit, Union County, New Jersey; City of Summit** – The City of Summit requested our office to redesign two existing September 11th Memorials to address issues of misuse and to develop a planting plan with multi-seasonal interest and long-term resilience. The resulting design embraced the existing memorial markers while further distinguishing the memorial from the surrounding landscape and incorporating a robust multi-seasonal planting palette designed to flourish during mid-September observances. *Role: Landscape Architect.*

\* **City of Summit Soldiers Memorial Field; City of Summit, Union County, New Jersey; City of Summit** – The City of Summit was looking to redevelopment the central gathering space of this popular park. Our office was requested to develop a multi-functional space that addressed the needs and requirements of a diverse residential population. The resulting design incorporated several intimate gathering spaces that tie in to a uniform whole for larger events. *Role: Landscape Architect*

SWCA

APPENDIX B:  
SWCA-Financial Stability Letter



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

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3033 North Central Avenue, Suite 145  
Phoenix, Arizona 85012  
Tel 602.274.3831 Fax 602.274.3958  
www.swca.com

Financial Stability Letter

6/7/2018

To Whom It May Concern:

As a private company, SWCA does not disclose its financial statements. However, we recognize that some clients may require evidence of SWCA's financial stability. As such, we offer the following information that we hope illustrates the strength of our company:

1. SWCA has remained financially stable since being founded in 1981, and has steadily grown revenue in all but three plateau years during economic slow-downs.
2. SWCA's revenues have grown 61% in the ten-year period between 2008 and 2017.
3. Our banking relationship with First American Bank is excellent, and we have maintained this relationship since 1998 when we became an employee-owned Employee Stock Ownership Plan (ESOP) company. We have zero debt, maintain deposit balances in excess of \$9M, and have a \$6M line of credit with a zero balance. Our banking representative is James Walrack and he can be reached at 847.586.2285.

Please feel free to contact me if you have any questions.

Regards,

A handwritten signature in black ink, appearing to read "Michael Lanin".

Michael Lanin  
Director of Finance & Risk Management  
Principal  
P 602.274.3831 | F 602.274.3958