



**General Services Agency
Parks & Recreation
COUNTY OF TULARE
AGENDA ITEM**

BOARD OF SUPERVISORS

KUYLER CROCKER
District One
PETE VANDER POEL
District Two
AMY SHUKLIAN
District Three
EDDIE VALERO
District Four
DENNIS TOWNSEND
District Five

AGENDA DATE: October 8, 2019

Public Hearing Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Scheduled Public Hearing w/Clerk	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Published Notice Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Advertised Published Notice	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Meet & Confer Required	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Electronic file(s) has been sent	Yes	<input checked="" type="checkbox"/>	N/A	<input type="checkbox"/>
Budget Transfer (Aud 308) attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Personnel Resolution attached	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>
Agreements are attached and signature line for Chairman is marked with tab(s)/flag(s)	Yes	<input type="checkbox"/>	N/A	<input checked="" type="checkbox"/>

CONTACT PERSON: Maria Benavides PHONE: 205-1124

SUBJECT: Lily Pond Project at Mooney Grove Park

REQUEST(S):

That the Board of Supervisors:

1. Receive an update on the status of the Mooney Grove Lily Pond Restoration Project.
2. Provide direction to staff as to which, if any, of the five proposed options staff should pursue with regard to the Lily Pond, or provide direction to modify one of the proposed options.

Option 1: Accept the proposal from Sierra Designs Inc. and direct staff to move forward with the design and restoration of the Lily Pond.

Option 2: Approve the removal of the Lily Pond and direct staff to landscape over its footprint.

Option 3: Approve the replacement of the Lily Pond structure with an artistic memorial to the pond on its site.

Option 4: Direct staff to convert the existing Lily Pond structure into a gated memorial.

Option 5: Direct staff to enclose the Lily Pond with a wrought iron fence and establish a five-year community fundraising campaign to restore the structure.

SUMMARY:

Over the last 10 years, the County has explored numerous options for the former Lily Pond at Mooney Grove Park, from demolition to restoration. Many local residents have fond memories of visiting the pond and have voiced strong opposition toward demolition. However, the cost and staff time necessary to restore

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and operate the pond with water, fish, and a functioning fountain have made this option practically and economically unfeasible.

In an effort to avoid demolition of the structure, honor its history, and identify an alternative use, in September 2018, the County partnered with the Visalia Arts Consortium to select an artist to design, create, and install a public art project that would repurpose the non-functional Lily Pond. Prior to project commencement, County staff conducted a site inspection, and concerns were raised regarding the structure's ability to withstand the weight of the mosaics or tiles proposed to be installed as part of the art project.

To ensure the safety of the artists and public, staff sought professional advice from a local architect. Providing a voluntary assessment, this architect confirmed the deteriorated state of the Lily Pond and identified several structural failings. In light of these findings, staff analyzed the available options and recommended to the Parks Advisory Committee (PAC) and Board of Supervisors in March and April of 2019 that the structure be replaced with a prefabricated monument to support the art installation.

On April 30, 2019, in response to a presentation from staff regarding the above options and comments from the public, the Board of Supervisors directed staff to look into restoring the Lily Pond to a fully operational level. As such, staff solicited proposals from May 24, 2019 to July 29, 2019 for consultation and design services to restore the Lily Pond. The County received two proposals from Sierra Designs Inc. and The Real Mooney Grove Project Inc.

On August 8, 2019, staff met with community members and Board members, to review the proposals and discuss options for the Lily Pond going forward. Participants in this discussion included Supervisor Amy Shuklian, Supervisor Eddie Valero, PAC member Nancy Hawkins, community member John Rogers, Tulare County Museum Board Chair, Kevin Caskey, and County staff.

At this meeting, it was determined that the proposal received from the The Real Mooney Grove Inc. did not meet the requirements set forth in Section 6 of the RFP and was disqualified. The proposal submitted by Sierra Designs (**Attachment A**) met the requirements of the Request for Proposals (RFP) and includes a consultation and design fee of \$56,915 + 15% of the construction cost estimated at between \$400,000 and \$600,000. In total, the consultation and design of the Lily Pond could cost anywhere from \$116,915 to \$146,915. Given this new information, the review team considered the following options for the Lily Pond going forward:

1. Select a proposal and move forward with design.
 - a. Funding is available for design fees in the Capital Projects budget
 - b. Funding is not available for construction and ongoing maintenance
 - c. Further exploration will be required with regard to sources of funding, and opportunities to reduce construction costs through partnerships, volunteers, and in-kind donations.

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2. Reject the proposal and select an alternative below.
 - a. Take no further action at this time
 - b. Remove the Lily Pond and landscape over its footprint
 - c. Replace the Lily Pond with a monument
 - d. Convert the existing Lily Pond structure into a gated memorial
 - e. Alternative action

On August 8, 2019, these options and the morning discussion were presented to the PAC for consideration. At that meeting, the PAC recommended enclosing the Lily Pond with a wrought iron fence, similar to that at the Museum, to protect the general public from its deteriorated state, and establish a five-year community fundraising campaign to restore the Lily Pond. It was recommended that, at the end of the five-year campaign, if sufficient funds had not been raised to complete the restoration project, the County would reconsider its options going forward.

Details of the fundraising campaign included soliciting an architectural rendering of the restored Lily Pond from Sierra Designs Inc. to be placed on site along with historic information about the structure and a website donation link to a Friends of Tulare County account dedicated solely to restoring the Lily Pond. Staff has obtained a \$9,800 quotation for the wrought iron fence (**Attachment B**). The Parks Improvement line within the Capital Projects Budget has sufficient funding to cover the cost of installing the fence and securing an architectural rendering.

It is requested that the Board consider the project options presented and approve a course of action for the Lily Pond.

FISCAL IMPACT/FINANCING:

There are various known and unknown fiscal impacts associated with pursuing one or more of the following project options below.

1. Select a proposal and move forward with the design	\$116,915 - \$146,915
a. Construction estimates for restoration	\$400,000 - \$600,000
b. Ongoing maintenance costs	Unknown
2. Reject the proposal and select an alternative below.	\$0
a. Take no further action at this time	\$0
b. Remove the Lily Pond and landscape over its footprint	<i>Park staff time</i>
c. Replace the Lily Pond with a monument	\$78,000
d. Secure the Lily Pond with a wrought iron fence and establish a five-year fundraising campaign for restoration	\$9,800 for the fence <i>Park staff time for fundraising</i>
e. Convert the Lily Pond into a gated memorial	Unknown
f. Alternative	Unknown

LINKAGE TO THE COUNTY OF TULARE STRATEGIC BUSINESS PLAN:

The County's Strategic Business Plan includes the Quality of Life initiative. Management of this park will enable the County to improve the appearance and

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usability of the County's Parks, which provide essential quality of life recreational opportunities for County residents.

ADMINISTRATIVE SIGN-OFF:



Brooke Sisk
General Services Agency Assistant Director

cc: County Administrative Office

Attachment(s)

A – Sierra Design Inc. Proposal

B – Fencing Quotation

BEFORE THE BOARD OF SUPERVISORS COUNTY OF TULARE, STATE OF CALIFORNIA

IN THE MATTER OF LILY POND PROJECT)
AT MOONEY GROVE PARK) Resolution No. _____
) Agreement No. _____
)

UPON MOTION OF SUPERVISOR _____, SECONDED BY
SUPERVISOR _____, THE FOLLOWING WAS ADOPTED BY THE
BOARD OF SUPERVISORS, AT AN OFFICIAL MEETING HELD _____
_____, BY THE FOLLOWING VOTE:

AYES:
NOES:
ABSTAIN:
ABSENT:

ATTEST: JASON T. BRITT
COUNTY ADMINISTRATIVE OFFICER/
CLERK, BOARD OF SUPERVISORS

BY: _____
Deputy Clerk

* * * * *

1. Received an update on the status of the Mooney Grove Lily Pond Restoration Project.
2. Provided direction to staff as to which, if any, of the five proposed options staff should pursue with regard to the Lily Pond, or provide direction to modify one of the proposed options.
 - Option 1: Accepted the proposal from Sierra Designs Inc. and directed staff to move forward with the design and restoration of the Lily Pond.
 - Option 2: Approved the removal of the Lily Pond and directed staff to landscape over its footprint.
 - Option 3: Approved the replacement of the Lily Pond structure with an artistic memorial to the pond on its site.
 - Option 4: Directed staff to convert the existing Lily Pond structure into a gated memorial.
 - Option 5: Directed staff to enclose the Lily Pond with a wrought iron fence and establish a five-year community fundraising campaign to restore the structure.

Mooney Grove Lily Pond Restoration Project

Tulare County General Services Agency
Visalia, California



July 29, 2019

Sierra Designs, Inc
Landscape Architecture & Planning
113 N. Church Street, Suite 310
Visalia, CA 93291

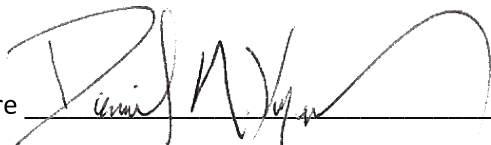
In association with:
Provost & Pritchard Consulting
130 North Garden Street
Visalia, CA 93291

SECTION VII. ATTACHMENTS

EXHIBIT A – Proposal Summary

PROJECT NAME:	MOONEY GROVE LILY POND RESTORATION PROJECT
FIRM OR LEAD DESIGNER NAME:	Sierra Designs Inc.
<p>BRIEF DESCRIPTION OF EXPERIENCE WITH SIMILAR PROJECTS:</p> <p>The Sierra Designs Inc team lead by Daniel M. Veyna has extensive design and construction experience in water features including ponds, swimming pools, fountains, wells and pumps. Daniel is currently managing the renovation of a 4500 sq. ft. Koi Pond damaged in the 2016 Napa/Sonoma fire. Daniel has designed well over 75 swimming pools, fountains and ponds in career and in his prior construction company, with Jeff LaFleur build over 35 estate and custom swimming pools and fountains. Sub Consultant Provost & Pritchard are known experts in pumps and well systems and will assist with the design and selection of appropriate equipment to insure that the Mooney Grove Lily Pond is cost effective and efficient.</p>	
TOTAL PROPOSED CONSULTATION & DESIGN FEE:	Tasks 1 – 4: Fixed Fee of \$ _____ Construction Documents and Construction Administration : ___% of Estimated Construction Cost

Date 7-29-2019

Signature  _____
 Lead Designer

Sierra Designs inc.
Landscape Architecture

Mooney Grove Lily Pond Restoration
RFP Response

July 29, 2019

**Tulare County General Services Agency
Parks and Recreation Division
2637 W. Burrel Ave., Suite 200
Visalia, Ca. 93291**

Mooney Grove Lily Pond Consultant Selection Committee:

Sierra Designs, Inc. is pleased to offer this proposal for the work desired by Tulare County to guide the design, create doable alternative solutions, realistic budgets to assist the County to make informed decisions; then develop construction document plans and specifications; then assist Tulare County with bidding and construction administration for the restoration of the historic Mooney Grove Lily Pond.

Sierra Designs and our consultant team are uniquely positioned as landscape architects, engineers and contractors, with known and proven creative design ability, grounded in exceptional technical skills with scores of successful, on budget, built projects to creatively and pragmatically tackle this task.

Sierra Designs is known for its unique process of 'Knowledge Based Design'™ to plan, budget, design successful projects.

Sierra Designs lead the Park Master Plan design effort for the Mooney Grove 20 Year Master Plan Study for the County of Tulare. Daniel M. Veyna, ASLA was the Principal in Charge for that project and will also lead this effort.

Our team includes Jeff LaFleur of LaFleur Construction, as a part time employee, a licensed swimming pool and landscape contractor who has joined with Dan on countless successful designed and built pond, swimming pool, park and landscape projects for the past 25+ years.

Having played, picnicked, boated, run cross country and as a child released school carnival goldfish into this pond, I, the staff at Sierra Designs, and our local consultants are excited for the opportunity to bring our skills and passion for Mooney Grove Park to successfully lead a design effort that will bring the Lilly Pond into the 21st Century, so that countless future generations of Tulare County families can enjoy this landmark water feature.

Daniel M. Veyna, ASLA

Principal Landscape Architect
SDI Licenses - California. #2409/#2455 Arizona Texas Washington
Landscape Architecture & Planning
113 N. Church St. Suite. 310
Visalia, CA 93291 - Office: 559-733-3690 - dan@sierradesignsla.com

Sierra Designs inc.

Landscape Architecture

Mooney Grove Lily Pond Restoration RFP Response

1. COVER LETTER

A. Firm Description:

Sierra Designs, Inc. Is a California 'S' Corporation formed in 2005 by combining the practices of Daniel M. Veyna, ASLA and Kay Hutmacher, ASLA.

Sierra Designs inc. is a 98%+ referral firm. Though a small regional firm, SDI designs projects throughout California as well as across the United States, currently and formerly licensed in 4 western states. We at SDI are thankful and fortunate that our clients take us with them as they expand their business ventures across California and the Nation, as well as referring us to others in their various industries and professions. The few projects we competitively compete for, similar to this one, are where we are invited, and where we believe we have the skills and talent to provide exceptional service.

Firm Organization Chart:

Ownership:

1. Daniel and Kay are each 50% shareholders in the Sierra Designs Inc. 'S' corporation.

Staff:

1. Rose Radmacher will be the project manager.
2. Jeff LaFleur will be responsible for construction feasibility and estimator.
3. Michael Lowe will be the production manager
4. Kay Hutmacher, Principal Landscape Architect, shall provide QC of plans/specs

B. Professional Licenses:

Daniel M. Veyna, ASLA

- California Registered Landscape Architect: # 2409
- Previously Arizona Registered Landscape Architect (currently unused/inactive)
- Previously California Licensed (currently unused/inactive)
 - Swimming Pool Contractor
 - Landscape Contractor
 - Nursery License
 - Pest Applicators License

Kay Hutmacher, ASLA, LEED Green Associate

- California Registered Landscape Architect # 2455
- Texas Registered Landscape Architect # 2923
- Washington Registered Landscape Architect # 1563

Jeff LaFleur, Contractor & Estimator

- California Licensed Contractor # 693267 Pools C-53 Landscape C-27

C. Terminations and Claims:

None: For the entire existence of the firm – 14.5 years.

2. Qualifications & Experience:

A. Firm – References below, see Appendix for Project Descriptions

Experience and Qualifications are accumulated over the entire breath of the careers of both firm principals and the growth and skill expansion of talented staff members.

In the San Joaquin Valley this type of project is not one that is repetitive or cookie cutter. This project is unique; therefore we have provided examples of experience that span the skills we believe are relevant to guiding Tulare County through the development of alternatives, generating realistic early budgets to provide alternative practical solutions, each with cost and maintenance implications and then develop complete construction documents that can be effectively bid, built and managed.

1. Mooney Grove Park – 20 Year Master Plan

The firms of Sierra Designs Inc. (SDI) and Provost and Pritchard Consultants (P&P) were integral and the major sub consultants in the development of the Mooney Grove Park and 20 Year Master Plan. SDI was responsible for the overall Park Master Plan which was intended to serve as a guide on how to bring Mooney Grove Park into the new century, while P&P was tasked with documentation and making recommendations for the improvement of the park's infrastructure.

Neil Pilegard, Parks and Recreation Manager
County of Tulare 559-205-1100

2. Bakersfield High School Modernization

Kern High School District has entrusted SDI with 9 high school, 3 new ground up campuses and 6 major modernizations. These projects are multiyear complex efforts, ranging in size from 10 - 60 acres of hardscape, landscape and irrigation with budgets of \$500K - \$5M.

The modernization of Bakersfield High School's 100+ year old campus (the same age as Mooney Grove Park) required investigation of existing conditions, respect and preservation of historic components while designing multiple options with separate budgets to bring the campus into the current century. BHS has been an 8-year effort which is ongoing: to date the stadium and sports fields have been completed while the Quads (Elm Grove & Warren Hall) are currently in the final stages of DSA review with an anticipated 3 year build out starting in 2020.

Chris Kourafas, Assistant Director of Facilities Planning
Kern High School District 661- 827-3265

3. Lost Lakes Campground, Lost Lakes Regional Park – Fresno County

Fresno County's Lost Lakes Campground, located on the south bank of the San Joaquin River, after decades of use, changing demographics, changing trends in camping equipment requirements, and damage from natural elements (floods and

windstorms) had fallen into sever disrepair. The challenges were that the campground was on a highly sensitive site, politically and physically, and that the County had insufficient funds to do the complete renovation envisioned/desired.

SDI, though the sub consultant, lead the design process from concept, budgeting through the public outreach, and design development, selection of bathrooms, arbor structures, site furniture, road and camping layout, at which point SDI then focused then on the CD's for planting and irrigation. SDI supported by the prime civil engineering consultant, designed the schematic design alternatives that specifically responded to current camping realities of larger RV & trailers, multiple families utilizing the same site and designing a greater buffer between the active camping functions and the river's edge providing a more sustainable buffer to the riparian river edge. The project was successfully bid and constructed on budget, with SDI being responsible for many of the features being funded from other County sources and successfully incorporated into the final project.

David Chavez, Senior Staff Analyst
Fresno County Department of Public Works and Planning
Resources Division – Parks 559-600-4308 559-600-3004

4. Swimming Pools – Multiple Private Custom & Estate Properties

SDI and its predecessor firms have designs over 100 swimming pools and built over 35 of these pools, most built with Jeff LaFleur. These pools are custom and often complex that exceed the 'normal' residential swimming pool. These swimming pools have included at least one of the following features: hill side construction, high ground water construction, infinity edges, waterfalls, fountains, streams, recessed diving boards, beach entries, wading areas, raised deck, boulder settings, raised bond beams, multiple pump and cleaning systems, spas and custom finishes.

Major renovations and reconstruction are included in the number pools noted. These pools often include the demolition of the structural walls and bond beam cross sections, creating shapes with new structural, hydraulics and finishes.

Multiple Private Custom & Estate Properties
Contact information withheld.

5. **Ponds: Three Rivers and Glen Ellen Ponds – Three River Ranch Pond:** This is a 1+ acre pond which was originally designed as a recreational pond on a 30,000+ acre ranch. Daniel M. Veyna, ASLA was tasked with the design and construction of the recreational components of the pond and consult on the technical/operational components. Design/construction included the pond esthetics: design of 200'+ stream waterfall with 50'+ of fall, setting approximately 4000 tons of boulders, importing and planting of approximately 100 10' – 20' tall field ground native trees and perimeter irrigation system and pond recirculation system. Consultation included, water proofing options, aeration options, stocking, dam overflow and future home site analysis.

30,000-acre Ranch & Private Estate - Client/Owner Deceased,
Property under new ownership, pond converted to cattle pond

Glen Ellen Koi Pond – Napa/Sonoma Fire Damage Repair

Private Estate damaged during the 2016 Napa/Sonoma fire. This project is in construction. Daniel Veyna of SDI is tasked with consultation, oversight and management of a design/build process for restoration of this approximate 5000 sq.ft. Koi Pond. This includes the design of the waterproofing system, aeration, pier/deck reconstruction, perimeter safety egress and landscape esthetics aquatic system reintroduction through the coordination of multiple contractors: swimming pool/pond builder, landscape contractor, building contractor and aquatics specialist.

25-acre Private Estate - Contact information restricted.

Bakersfield High School- Griffith Stadium Modernization, Bakersfield, CA

Project Information:

Name: Bakersfield High School Stadium, Warren Hall & Elm Grove Modernization

Project Location: Bakersfield, California

Brief Description: Daniel Veyna has been the lead Landscape Architect for the BHS

Name of Owner: Kern High School District

Owner's Contact: Chris Kourafas, Assistant Director of Facilities Planning - (661) 827-3256

Sierra Design Involvement: Daniel Veyna/Sierra Designs and with his previous firm has worked with the Kern High School District for over 25 years on 8 high school campuses, both new 60 acre sites (Mira Monte) and major modernization projects such as its 100+ year old flagship Bakersfield High School.

Bakersfield High School Modernization project has been in the planning, design and construction for 8 years, with Sierra Designs being responsible for the multi million dollar landscape, hardscape and irrigation design. Recently completed is the new stadium football field and practice fields; comments regarding the stadiums natural turf infield is that the field is better than most college and university fields and equivalent to some of the best.

Currently in DSA review is a major renovation of the central quad which removes city streets and incorporates that land into a university level quad design. Sierra Designs developed all of the hardscape design from schematics, budgeting, and master plan and through design development, with final paving CD's being completed by the Architect.

Estimated Cost vs. Actual Cost:

Sierra Designs places a huge emphasis on accurate and realistic cost estimating beginning at the schematic design phase. This provides clients with realistic budget costs which allows the client to make informed budget decisions. This project was estimated at approximately \$1M and the actual bids were within 2%. On the most recent high school, CTERTC, Sierra Designs Estimate of Probable Construction Cost was within less than 1% of the actual contract award, which included multiple add alternates.



Upper left- Stadium during construction; Upper Center- The stadium after construction; Upper right- Warren Hall/ Elm Grove in Design Development; Lower left- A photo taken from the 'H' of the stadium during an event



Lost Lake Campground, Lost Lake County Park, Fresno, CA

Lost Lake Park Campground has been in existence since the 1960's and in 2013 Fresno County was awarded a grant for specific improvements to the campground. Sierra Designs was retained with Lars Andersen & Associates, Civil Engineers, to evaluate and refine the circulation and camp stall layout and to design improvements to better serve the camping population, especially the disabled user. Included in our services were public outreach meetings to gather input from the public allowing us to address their specific needs along with meeting the requirements of the grant. We facilitated tree removal, site furniture procurement, and the design of the proposed ADA-accessible restroom. Working with the County, we helped develop strategies to stretch grant dollars to attain the greatest possible improvements for the park. The end result is a campground that accommodates group and individual campers, protects and interprets historical artifacts, creates safe pedestrian corridors, and promotes a recreational experience worthy of the exceptional river-front site.



The plan above illustrates the Conceptual Design for the layout of sites and circulation through the campground. New and refurbished restrooms, group camping and enhanced tree canopy all add to the quality of the recreational experience. Below is the study drawing for the accessible restroom proposed for the north end of the campground.



The proposed group shelter (at left) enhances the opportunities of the existing facilities at the park.

Sierra Designs, inc
landscape architecture planning
113 N. Church Street #310
Visalia, California
559.733.3690

Swimming Pools & Spas, Various Locations, CA

Project Information: Swimming Pools

Name: Multiple Estate and Custom Residential Swimming Pools

Project Location: Tulare County

Brief Description: For the past 25 years Daniel Veyna and Jeff LaFleur have designed and built numerous custom and estate level residential pools; of the examples shown all but one were built by Jeff. Additionally Daniel has designed swimming pools which have been built by other contractors, throughout California, many winning national and international awards for design excellence. Among these pools, some are major renovations of existing swimming pools, which present their own challenges. Most of the swimming pools would be considered complex, with some combination of multiple water features, elevation changes, infinity edges, and spas requiring multiple pumps, accurate hydraulic and structural calculations. Additionally a number of these pools are constructed on hillside slopes or high water table situations which Dan designs with a unique "Knowledge Based Design Solution™" process which results in exceptionally functional and beautiful water features to be enjoyed by their owners for decades.

Name of Owner: Multiple Private Owners

Owner's Contact: Private

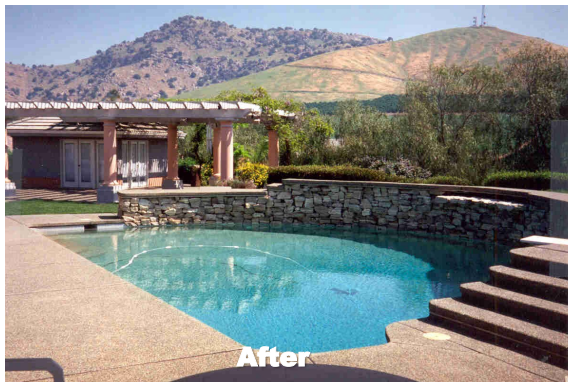
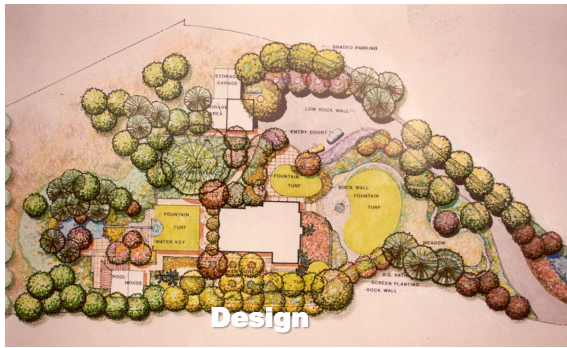
Sierra Design Involvement: Dan Veyna, as well as Kay Hutmacher in our predecessor companies, as well as Sierra Designs were the lead landscape architects in each of these projects.

Estimated Cost vs. Actual Cost: Due to Dan having been and Jeff currently and actively building swimming pools, fountains and ponds Sierra Designs proprietary Cost Estimating methodology is extremely accurate. Such that these projects traditionally come in on budget or with 1 – 2% of our final Architects Estimate of Probable construction Costs. Since we are skilled at both designing and building these features our Preliminary cost estimates are usually within 5% of actual construction costs. The swimming pools work on the Arts Park was partially funded by volunteer labor and donations. In to-



Upper Left– S'ville; Upper Right– LoBue spa; Lower Left – Griggs ; Lower Right– Mitchell pool





Top Center– Cline Residence Design; Upper Left– Black residence before ; Upper right—Black Residence After; Middle Left – Martin Residence waterfall during construction; Middle Right– Martian residence waterfall; Bottom Left– Lacey pool construction; Bottom Right– Lacey pool



Top Left– Fisher residence prior to Sierra Designs planning & design; Top Right - is the residence after construction, which features an elevated lawn area and a fountain that runs the width of the pool between the stairs (not running in photo.) The resurface pool and paving add a new vibrance to the backyard; Center- schematic rendering for this residence; Bottom Left– Alternate view of the completed project

Sierra Designs, inc
landscape architecture *planning*
 113 N. Church Street #310
 Visalia, California
 559.733.3690

B. Sierra Design, Inc. Team – Sierra Designs, Inc.

Sierra Designs Inc. is a Visalia based company. The majority of all work performed will be in Visalia. However, with the advances of technology, remote production of construction documents is easily done, in fact Sierra Designs has multiple clients and has worked with multiple sub consultants that are based across the country. Within our firm, Principal Daniel Veyna works remote approximately 40% of the time and staff member Michael Lowe works remote 100%. Please see attached resumes for Daniel, Rose, and Jeff who will be the key participants in the design and decision portion of the process.

1. Daniel M. Veyna, ASLA
Principal in Charge
2. Rose Radmacher
Project Manager
3. Jeff LaFleur
Construction Feasibility & Estimator
4. Michael Lowe
Production
5. Kay Hutmacher, ASLA
Principal, Quality Control

Daniel M. Veyna, ASLA

Sierra Designs inc. - Landscape Architecture

Principal Landscape Architect

Daniel excels at bringing together, and leading successful teams to design and build exceptionally effective, cost efficient and attractive civic and private projects. He brings an ability to think creatively to generate outside the box solutions that work. Daniel accurately interprets and balances clients' needs within realistic budget constraints by applying superior people, management, creative and technical skills to each project. He has designed and successfully managed many outstanding projects throughout the San Joaquin Valley, the Sierra Nevada Mountain Range, throughout California and beyond.

Water Features & Swimming Pool Projects:

Zankel Pond Restoration – in Construction
2016 Napa /Sonoma Fire Restoration
Tulare County Peace Officers Fountain
w/ Larry Lewis Architect
Sequoia Ranch Pond – Three Rivers – 1 acre
North Fork Pond – Three Rivers – 1 acre
75+ Estate and Custom Residential Swimming Pools

Recent Parks & Recreation Planning Projects:

Each includes leading the public outreach and master planning effort for a city-wide effort. These projects in concert with *Conservation Technix*, Portland

- City of Salinas (55 park system)
- City of Delano (9 park system)

Trails, Regional Sports Facilities & Community Parks:

- Farmersville Sports Park Design and Outreach
- Fancher Creek Bridle Trail, Fresno
- St Johns River Parkway, Master Plan and Trailhead
- Tule River Parkway and Rails to Trails Project,
- Playgrounds (15) - Visalia Unified School District
- Stadiums and Sports Facilities for Kern High School District (Bakersfield) – 9 High Schools
- Lost Lake Campground, Fresno County

Recent High Schools:

Bakersfield High School Stadium & Practice Fields
Bakersfield High School Warren Hall & Elm Grove
Foothill High School Campus wide modernization
CTERTC Technical High School
Tierra Del Sol High School
Mira Monte High School

Education:

Bachelor of Science
Landscape Architecture
Ornamental Horticulture
California Polytechnic
State University SLO
Advance Graphics Certificate
Kansas State University

Licenses – Current & Prior:

State of California
Landscape Architect #2409
Landscape Contractor
Swimming Pool Contractor
Horticulture Pest Applicator
Nursery – Wholesale Grower
Arizona Landscape Architect

Past President:

Orange County Nursery Inc.
Peerless Farms Inc. – Texas
Veyna Design Studios Inc.
Jardin Inc.

Awards:

California ReLeaf
Central Valley Xeriscape

Professional:

Founding & 3 time Chair of Central
Valley Section of the American
Society of Landscape Architects

Civic – Current & Prior:

Visalia CC Rotary
Rotarian of the Year
Advisory Board – VETC High
School

Rose of Sharon Radmacher

Sierra Designs inc. - Landscape Architecture

Project manager/ Designer

Rose is a motivated and exceptionally skilled project manager. Her skill set includes being extremely organized, through which she applies to every project, researching each project's requirements and then creatively applying her aptitudes towards enhancing and developing design concepts. Rose excels in the development of Construction Document plans as well as developing Estimates of Probable Construction Costs.

Rose has experience in construction, architecture, interior design, and landscape architecture.

As a member of the Sierra Designs team she has been a significant member on major projects with budgets that exceed one million dollars.

Pool & Pond Projects:

Mackey Family Complex
Fisher Residence
Black Residence
Chastain Residence – in construction
Leal Residence – in design
Tristao Residence – in design

Sample Sports & Recreation Projects:

Foothill High School Modernization & Sports Fields
Arvin High School Courtyard Drainage & Design
CTERTC & Logistics Training Center
Bakersfield High School Stadium & Modernization
Visalia Unified Middle School Court Yards
Visalia Unified ADA Improvements - 11 Playgrounds
TCOE Senaida Garcia Center
Lost Lake Campground
Delano Parks Master Plan
Planada Park Outreach & Master Plan
Salinas Natividad Park Outreach & Master Plan
Winton Park Outreach & Master Plan

Education:

Reedley College
Engineering transfer courses

Metropolitan Community
College
Architectural Design
Technology

College of Sequoias
Horticulture

Professional:

Water Operator
Treatment I Certification
Distribution I Certification
Yoga Fit Certified

Employment:

Sierra Designs Landscape
Architecture

Carriage Works, Inc
Lead Designer

Render Me That, LLC
Owner/Designer

Pure Life Fitness
Owner/ Personal Trainer

Jeff La Fleur

Sierra Designs inc. - Landscape Architecture

Construction Feasibility & Estimator

Jeff has over 25 years' experience in Construction, Construction Management and Estimating. Jeff began his construction career in the Navy as member of the Seabees. From there Jeff became joined Jardin Landscape Architecture and Construction, as a foreman and construction supervisor. As an integral part of this firm Jeff was responsible for the construction of millions of dollars' worth of landscape improvements including swimming pools and ponds.

Jeff later began his own Landscape & Swimming pool construction firm which he continues to own and operate, building custom swimming pools and landscape 'one at a time'. Jeff is currently employed by Sierra Range Construction as a Supervisor and Estimator, and manages multi-million dollar construction projects, many on military bases throughout California and Nevada, as well a continuing to construct swimming pools.

Swimming Pool & Pond Projects:

Approximately 35 custom and estate level swimming pools for multiple private owners. – See Swimming pool cut sheets. Additional Jeff has constructed 5 significant pond projects including 1 acre Sequoia Ranch Pond.

Recent Major Projects:

City of Woodlake – Downtown Enhancement Project Ph. 4
USACE Sacramento – Dry Creek Mitigation, Lake Kaweah
USACE Sacramento – Replace Leach Field, Lake Kaweah
USARC-Seaside – The Marina & Leymel Hall - Ground Maintenance, Fresno
USACE – Sacramento – Presidio of Monterey – Drop arms
USACE – Sacramento – Presidio of Monterey – Tire Spikes
City of Visalia – Annual Concrete Services Contract
NAVFAC- MCMWTC Storm Drainage and Repair Upper Base Camp Roads, Bridgeport
Army Reserve- Presidio of Monterey- Install Modular Building

Education:

College of the Sequoias
Fresno State

Professional:

Contractor Licenses
Swimming Pool
Landscape

QC Certified

Work History:

US Navy – Seabee

Jardin Landscape Architecture
& Construction

Jeff LaFleur Landscape &
Swimming Pool Construction

Sierra Range Construction

Sierra Designs Inc.
Part time

C. Sub Consultants

1. Provost & Pritchard Consultants – Visalia office
Matt Klinchuch, PE, Associate Engineer
Ed Caminata, PE, Assistant Water Resource Engineer
Pump and/or Well design and hydraulics
2. Sierra Aeriform - Visalia office
Larry Pruitt
Aerial Documentation of existing conditions
3. Other Consultants – To Be Determined – As Needed
Based on the design selected by the County, additional sub consultants maybe required, including but not limited to a) Structural Engineer b) Electrical Engineer c) Surveyor d) Water Testing Laboratory e) Soils Engineer – with the possible exception of testing lab, it is anticipated that all sub consultants will be local to Tulare County.

Matthew Klinchuch, PE

Senior Engineer

Education

- ✓ M.S. Civil & Environmental Engineering, Emphasis on Water Resources, California Polytechnic State University, San Luis Obispo
- ✓ B.S. Civil Engineering, California Polytechnic State University, San Luis Obispo

Registration/Certifications

- ✓ Civil Engineer, California #83357

Affiliations

- ✓ American Society of Civil Engineers (ASCE)
- ✓ National Groundwater Association (NGWA)

Areas of Expertise

- ✓ Design Calculations
- ✓ Engineering Drawings
- ✓ Data Analysis
- ✓ Water Resources
- ✓ Project Management

Professional Summary

Matt Klinchuch is a senior engineer at Provost & Pritchard with over eight years of experience focused on water resources engineering. He has played an integral role in several water design and regulatory projects in the area. Mr. Klinchuch's engineering experience consists of design hydraulic calculations, engineering drawings, land surveying, and data analysis for water resources, structural, and transportation projects.

Relevant Experience

Pixley Groundwater Bank, South Valley Water Banking Authority (Delano-Earlimart ID and Pixley ID), Tulare County, CA, Project Engineer – Mr.

Klinchuch is assisting in providing engineering services for the design of the Pixley Groundwater Bank. This project will include design of pipelines, recharge basins, recovery groundwater wells, and lift stations. These facilities will allow the South Valley Water Banking Authority (SVWBA) to import excess water in wet years for use by the banking partners in dry years when water is less available. The Project will connect to the Friant-Kern Canal to allow for banking partners from throughout the Friant service area.

In-Lieu Service Area, Porterville Irrigation District, Tulare County, CA, Project Manager – Mr.

Klinchuch is the project manager and design lead for Porterville Irrigation District's (District) In-Lieu Service Area Project, which is a grant funded project to build facilities in two service areas within the District that previously could not receive surface water. A pipeline approximately 2 miles long in Service Area 1 and approximately 1.5 miles in Service Area 2 were constructed to bring surface water to these areas. The District was awarded funds through the Bureau of Reclamation's (Bureau) Title X, Part III Grant as part of the water supply mitigation response to San Joaquin River Restoration.

Avenue 116 Lateral Project, Pixley Irrigation District, Tulare County, CA, Assistant Project Engineer –

The project in a grant application was called the PIXID Gravity Conveyance & Conservation Project (same as the Ave 116 Lateral Project). The Project improved portions of the upper 6 miles of the existing Casa Blanca Canal owned by LTRID. A new diversion was developed and a new Casa Blanca Intertie Canal approximately 2.5 miles long conveys flows to the south along the east side of Road 168. Then, a third leg of the Project, was developed along the north side of the Avenue 116 alignment. This new Avenue 116 Lateral is approximately 6.5 miles long and delivers to a new service area in PIXID of approximately 6,600 acres. The existing Casa Blanca Canal and all new channels are earthen. This facility allows PIXID to avoid deliveries through Deer Creek that experience significant conveyance losses and increases the District's total diversion capacity significantly. This project is partially funded by the Bureau of Reclamation through a successful WEEG application from January 2012.

Lower Kaweah River and Mill Creek System Flood Control Improvements, City of Visalia, CA, Project Manager – Mr.

Klinchuch is the project manager responsible for the design and construction of three earthen detention basins along the Lower Kaweah River and Mill Creek. This project includes evaluating flood protection benefits to the City of Visalia from expanded layoff capacity of three basins, obtaining permits to construct facilities within the Lower Kaweah River, configuring basins to fit within available space and to meet minimum layoff volume requirements, evaluating options to return water to the channels once peak flows have passed, and overseeing construction of proposed facilities.



Cordeniz Basin and Serpa Ditch Project, Tulare Irrigation District, Tulare County, CA, Project Manager – In the spring of 2013, the property owner (Cordeniz) of the 60 acre parcel south of the Enterprise Basin approached the District stating the parcel was for sale, thus, giving the District a great opportunity to expand the Enterprise Basin. Shortly after this opportunity arose, the District submitted and was successfully awarded funds through the Bureau of Reclamation's Title X, Part III Grant as part of the water supply mitigation response to San Joaquin River Restoration. With this funding, the District is expanding the existing 20-acre Enterprise Basin to two, 40-acre basins on the Cordeniz property and realigning the existing Serpa Ditch which feeds the basin. Mr. Klinchuch is the project manager for the project and lead the design to a final design plan set being used by the District for construction.

System Optimization Review (SOR), Solano Irrigation District, Solano County, CA, Project Engineer – Mr. Klinchuch was part of the project team responsible for the System Optimization Review (SOR) study for the Solano Irrigation District (SID). The SOR Study began with SID's existing Strategic Plan priorities and the projects listed in their Capital Improvement Plan and worked to rank projects and identify the top possibilities for the District to pursue in the upcoming years. Also, the effort included an evaluation of SID's conveyance system to identify other possible projects that have not been previously evaluated. The highest priority projects were further developed to verify that key issues had been addressed and that no fatal-flaws remained in conceptual designs.

System Optimization Study, Tulare Irrigation District, Tulare County, CA, Assistant Project Engineer – Mr. Klinchuch was part of the project team that worked on a System Optimization Review (SOR) study for the Tulare Irrigation District. The SOR study evaluated the district's historic surface diversion versus the district's available supplies, the existing capacity of the district's surface water delivery system, the district's historic and current agricultural demands, the estimated amount of agricultural and municipal groundwater pumped versus the estimated safe yield, potential groundwater recharge or banking projects near the district's delivery system and new projects or programs to address specific limiting issues identified through the SOR with preliminary designs, estimated yields, and project cost estimates.

System Capacity Study & Distribution System Improvements, Porterville Irrigation District, Tulare County, CA, Assistant Project Engineer – Mr. Klinchuch worked with the project manager to conduct a system capacity study, similar to a SOR, for the Porterville Irrigation District. Specifically his responsibilities included service area calculations. Project tasks also included hydraulic evaluation of the district's conveyance system and evaluation of their needs for long-term system rehabilitation efforts.

Sycamore Check Structure Analysis, Arvin-Edison Water Storage District, Kern County, CA, Assistant Project Engineer – Mr. Klinchuch assisted in reviewing why Sycamore Check Structure is a bottleneck (350 cfs) vs. South Canal's downstream capacity (500 cfs). The project included determining whether it could be improved, and developing strategies for improvement.

Ed Caminata, PE

Civil Engineer

Education

- ✓ B.S. BioResource & Agricultural Engineering, California Polytechnic State University, San Luis Obispo
- ✓ M.S. Engineering, Specialization in Water Engineering, California Polytechnic State University, San Luis Obispo

Registration/Certifications

- ✓ Professional Engineer, California #88473

Affiliations

- ✓ American Society of Agricultural & Biological Engineers

Areas of Expertise

- ✓ Water Resources
- ✓ Water Wells & Pumps
- ✓ Irrigation Design
- ✓ Hydraulics
- ✓ Agriculture Structures Planning & Design
- ✓ Regulatory Compliance
- ✓ AutoCAD & SolidWorks

Professional Summary

Ed Caminata is an assistant water resources engineer at Provost & Pritchard with two years of engineering experience. He is skilled in water resources engineering, including water wells and pumps, irrigation design, and hydraulics. In addition, Mr. Caminata has been involved in working with growers throughout the San Joaquin Valley to meet regulatory compliance requirements associated with the Irrigated Lands Regulatory Program (ILRP).

Relevant Experience

In-Lieu Recharge Project, Porterville Irrigation District, Tulare County, California, Assistant Engineer – Mr. Caminata was part of the project team that developed the In-Lieu Recharge Project for the Porterville Irrigation District. His responsibilities included design of a gravity pipeline, turnout and check structures, and preparing project specifications for two service areas..

Santa Fe Trail, City of Visalia, California, Assistant Engineer – Provost & Pritchard is provided design engineering, construction cost estimating, utility coordination, and irrigation district coordination for the Santa Fe Trail between Houston Avenue and Riggins Avenue/St John's Parkway. Design services include grading for the trails and future roadway (Santa Fe Street) and design of trail amenities such as lighting, benches, trash receptacles and signage. The trail design includes an ADA-compliant crossing of St John's Parkway (a major arterial street) with raised median that includes high visibility crosswalk with flashing beacon. The trail design includes ADA compliant ramps at several local street crossings and a connection to Ruiz Park (Santa Fe Trail). The Santa Fe Trail crosses Modoc Ditch (culvert) and intersects with the Modoc Ditch Trail. Due to potential differential grades and drainage concerns, the trail design includes preliminary grading of the future adjacent Santa Fe Street. Mr. Caminata's responsibilities included structural design of the concrete box culvert and wingwalls, as well as preparation of project specifications.

Wutchumna Ditch Measurement Structure, Tulare Irrigation District, California, Associate Engineer – Provost & Pritchard evaluated the existing capacity of Wutchumna Ditch from the outfall at Bravo Lake in Woodlake, CA to the siphon under the Friant-Kern Canal. Mr. Caminata was part of the team that evaluated the existing capacity, as well as determined the necessary improvements to increase the capacity of the Ditch. The design to increase the capacity included the construction of a Subcritical Contraction Measurement Structure used in conjunction with an Acoustic Doppler Velocity Meter. Mr. Caminata aided in the hydraulic and structural design of this measurement structure.

Antelope Heights Turnout Facility, Antelope Heights Water and Irrigating Company, California, Associate Engineer – Provost & Pritchard provided design services to relocate Antelope Heights turnout from Wutchumna Ditch to downstream of an existing Parshall Flume. This design included performing a hydraulic analysis on this section of Wutchumna ditch, specifically a backwater analysis, to ensure the flume measurements were not influenced by the checking up of water, design of a turnout and sump, and sizing of a VFD controlled vertical turbine pump to tie into the existing irrigation supply mainline.



Check Structure Rehabilitation and Replacement, Consolidated Peoples Ditch Company, California, Associate Engineer

– Mr. Caminata was part of a team that evaluated the structural condition of several canal check structures and developed plans to rehabilitate or replace and modernize the check structure. Several gate options were evaluated based on varying criteria and the best option chosen to be retrofitted into the existing check structures. In the case the concrete check was not structurally sound, designs for a replacement structure were developed incorporating the new gate choice. Three of these structures have completed construction and 3 will begin construction in the fall.

Flood Control Improvements, City of Visalia, California, Associate Engineer – Mr. Caminata is part of a team working to develop improve three flood control basins for the City of Visalia. Improvements include re-grading of basins, hydraulic design of inlet and outlet pipes and structures, and rehabilitation of a check structure within Mill Creek.

Covered Lagoon Digesters and Dairy Site Improvements, Various Dairies across Kings and Tulare Counties, California, Associate Engineer – Mr. Caminata has been the design engineer for several projects constructing covered lagoon digesters on existing dairies. Design tasks for these projects have included: earthwork grading and balancing, digester plastic liner and cover anchorage, replacement and addition of various pressure and gravity pipelines, hydraulic and structural design of concrete sand separation lanes to remove sand from sand-laden dairy manure, and design of various concrete and steel structures.

In-Lieu Recharge Project Service Area 3, Porterville Irrigation District, California, Associate Engineer – Mr. Caminata is part of the team developing preliminary plans for a third in-lieu recharge area for Porterville Irrigation District. Project tasks include: hydraulic design of a bi-directional pipeline, gravity one direction, pressure the other direction, preliminary design of concrete check structure and sump as well as sizing of vertical turbine sump pump for pressure flow scenario, and developing a preliminary construction cost estimate.

Previous Employment

Irrigation Training and Research Center, San Luis Obispo, California – While employed at the Irrigation Training and Research Center (ITRC) on the Cal Poly campus in San Luis Obispo, Mr. Caminata's responsibilities included installing magnetic and propeller meters, installing PVC pipe, performing Distribution Uniformity evaluations, and preparing technical reports. (June 2012 – June 2014)

Sierra Aeriform is a leading-edge (UAS/Drone) company specializing in aerial imaging services for a host of business solutions. The company was established in June of 2015 with the purpose of providing innovative aerial business solutions. Using drone technology, Sierra Aeriform supports aerial surveying & mapping, construction progress monitoring, thermal imaging, stockpile volume calculations, real estate marketing, cinematography and more.



Our goal is to provide aerial business solutions that result in ROI cost savings and business intelligence that has previously been perceived as unattainable or too costly. As required for all commercial aerial operations, our pilots are all FAA Part-107 certified and fully insured to \$5M.

Our initial drone was a DJI Inspire-1 which accommodated separate controls for the pilot and the camera/sensor operator. In time we have added a second Inspire-1 Pro and a heavy payload lifting Matrice 600 Pro with a Sony A7rii UltraHiDef camera.

Sierra Aeriform achieves our imagery goals by using a variety of multi-copter and soon a fixed-wing aircraft. These flying robots are frequently programmed to autonomously fly data gathering missions using a variety of camera, thermal and NIR sensors. All drones are skillfully operated by FAA licensed remote pilots and trained payload technicians, visual observers & cinematographers.

Our Post-Production services range from video and still processing to thermal imaging and inspection reporting to geo-spatial processing in Pix4D, AgiSoft, Drone Deploy and other tools.

Data: Video Production, Thermal Imaging, Cloud-based inspection reporting, 3D modeling, Stockpile Volume Calculations.

Organizations Served

The City of Farmersville, CA – QK, Inc - California High Speed Rail & California Rail Builders – Over twenty Real Estate Agencies - Liberty Composting – The City of Visalia – Tulare County Association of Realtors – Arrow Media, London – Pinnacle PreMix and more...



Safety is a high priority to us. Airspace is managed using SkyVector sectional charts, Skyward LAANC online FAA airspace authorization and the FAA B4UFLY App. We log every flight and battery use and synchronize the flight telemetry to a cloud database using HD Sync (AirData).

Aerial Business Applications

- Small quad-copters
- Heavy lift multi-copters
- Tech post processing
- Construction Monitor
- Mapping for Survey
- 3D Models for Volumes
- Inspections
- Environmental Monitor
- Agriculture Imaging
- Real Estate
- Custom Shoots/Events

Contact Us At
(559) 308-6504
SierraAeriform@gmail.com
SierraAeriform.com
YouTube: Sierra Aeriform

3 - A . Understanding of the Project

A. Mooneys Grove History & Importance

“Mooney Grove Park was designed and built during a time of enormous technological transition; the time of transition from the age of horse and buggies to the age of horseless carriages. During the early years of Mooney Grove Park Tulare County was a collection of rural agricultural communities. In the century since the parks inception, the county’s agricultural heritage has thrived, diversified and grown, and some of the small communities have become urban centers in ways that Mooney Grove Park designer, Landscape Architect Johannes Reimers, could hardly imagine in the year 1911” quote from Mooney Grove Park Conceptual 20 Year Master Plan, 2012.

Mooney Grove over the last century has been a source of pride for Tulare County; a place for rest, relaxation, rejuvenation and family enjoyment. As the times have advanced, features and facilities have been added, renovate, improved and some removed as they reached the end of their useful life cycle.

Mooney Grove Park is again at a time enormous cultural, technological and environmental change, not only not envisioned by the original Landscape Architect, but also by the previous generations of care takers and County elected officials.

B. Lily Pond

The Mooney Grove Lily Pond, believed to have been constructed by the Works Progress Administration (WPA) between 1937 and 1940, is one of the historic features and amenities that has reached the end of its current useful life cycle, as noted in The Mooney Grove Park 20 Year Master Plan.

The Lily Pond is so imbedded in the history and lore of Mooney Grove Park, that some community members with fond memories and a sense of history have made a persistent and vigorous effort to save the Lily Pond from following other park components such as the Zoo, Dance Pavilion, Go Carts, Pony Rides, Skateboard Ramp and Carrousel into the history books, by encouraging the County to return it to a vibrant feature to be experienced and enjoyed by future generations.

Sierra Designs Principal, Daniel Veyna also has fond memories of Mooney Grove and the Lily Pond and is honored to lead the effort to restore the pond. The team assembled has the passion, technical skills and experience to effectively, pragmatically and efficiently develop a design and plan to restore the Lilly Pond.

Our team is local, very familiar with Mooney Grove Park, both SDI and P&P having been consultants on the 20 Year Master Plan. Our team has reviewed the site, brainstormed options for demolition, reconstruction and options for generating water service and filtration requirements and the cost and feasibility of these options.

We believe there are 3 variable options for providing a water service source for the fountain, each with its own pros and cons, we look forward to further and exploring these options with the County.

C. Description of Design Approach

1. SDI has a very detailed and through approach to the design process which identifies ‘red flags’ and previously unconsidered options as part of it’s unique process. Please see 3-B Approach to Required Services below.

D. Major Issues

1. The County has noted in the RFP the major structural issues which we will address.
2. Other issues we will consider are:
 - a. Water source – where is the least costly source of fill water, counterbalanced by is there an option for another water source vs. the existing pond and can that source serve other purposes within the park as well.
 - b. Depth of the Pond – are there options which will meet public safety issues as well as provide a better, easier maintained water source. These items will need to be discussed with multiple County Departments, noted in the approach.
 - c. Waterproofing system – protected liner, gunite floor w/ plaster, or other options.
 - d. Spray Fountain – design for a minimum 50-year life cycle
 - e. Options for drainage
 - f. ADA access

E. Systems

1. Sierra Designs Inc. principals with decades of experience in design and construction have developed a unique and proprietary “*Knowledge Based Design™*” process. The basics are is that we place a huge amount of emphasis on the front end of the project. We study the site, hold extensive interviews with key knowledgeable individuals who are involved in the project directly and indirectly. We try to not leave any stone unturned; we want to know before we start of any potential issues before we start designing, this has a critical impact of identifying ‘red flag’ issues and greatly reducing, hopefully eliminating surprises. Concurrently this also allows our team to brainstorm and identify other options which may not have previously occurred to anyone. We work closely with those individuals as
2. Planning for the project we develop an in house, proprietary, detailed task list by individual so we can track the project. This is also tied directly to our fees. This allows us to be clear and frank with our clients regarding items that are agreed to be within the scope of the project. Early and continuous discussion with the client tend to eliminate misunderstandings and allow for open and frank discussion as we progress.
3. Sierra Designs has two Principal Landscape Architects – Daniel Veyna will be the Principal in Charge and will actively direct and work on the project. Kay Hutmacher will review the project periodically as a ‘fresh pair of eyes’ providing Quality Control.
4. Dispute Resolution: as mentioned in #2 above, frankly disputes are not an issue since we keep a honest, frank and open dialog with clients through out the project. If there is a minor misunderstanding, these are quickly resolved as the project progress. We have never had a need to resort to mediation or legal resolutions. In short we are easy to work with which is evident by the fact that our firm is a 98% referral firm.

3 - B . Approach to Required Services

Task 1: Project Kick Off

Sierra Designs, with selected Sub Consultants will meet with Tulare County staff to clarify and refine the scope within the proposed fee, items to review are:

1. Schedule benchmark dates, future meetings and required meeting attendees
2. Confirm Deliverables by SDI and County
3. Identify and clarify roles and responsibilities for both the SDI Design Team and County.
4. County to schedule meetings with other County departments and personnel deemed relevant and necessary by the design team within the time frame of the methodology.
5. County staff, at or prior to the Kick Off meeting, shall provide design and known existing conditions plans for utilities, pumps, wells and irrigation system, as well as county standard details, technical specifications, standard boiler plate General Condition specifications and contractor contract forms for review by the design team.
6. A general discussion of potentials and constraints.

Task 2: Base Data Collection and Research

Prior to design as complete an inventory of prior efforts, existing conditions and utilities that might provide either opportunities or constraints are vital towards the successful development of doable plan. SDI, and Sub Consultants, with the assistance of County staff will:

1. Physical Site Walk, Analysis, Identification and locating of existing conditions and utilities.
 - a. County staff assistance required to identify and locate utilities
 - b. County staff to review with consultant team any known design and as built plans.
 - c. County staff to mark know utility locations in advance of the Aerial flight, including but not limited to: Irrigation mainlines, valve boxes and shut offs, electrical conduit and junction boxes, potable water, and other know utilities during the time frame of the data and research time frame.
 - d. If determined by the design team as necessary, the County staff will either uncover, open and/or otherwise expose including providing potholes to locate known, or anticipated utilities prior to the aerial documentation flight.
2. Extensive review of the existing large Pond well fill and irrigation pump system with P&P engineers with the Tulare County staff responsible for operation and maintenance of those systems: Tulare County staff to provide technical data for the wells and pumps as well as current yearly irrigation schedule with typical flows and capacity of the current mainlines.
3. Aerial flight of the area to accurately locate existing conditions for the pond and surrounding area; intended to capture the Lily Pond, large pond edge, adjacent arbor structures, playground and park drive lane to the west, walls and sidewalks, as well as marked utilities and tree canopies that maybe within the flight area:
4. Review of prior design concepts and studies for the Lily Pond
5. General review of County provided General/Special Conditions, specifications etc. with county staff
6. Develop a list of anticipated materials, products and services that maybe needed to complete the project.
7. Secure rough costs for materials, equipment and labor anticipated to be needed.
8. Meeting with Parks and Recreation Department to review criteria and options
9. Meeting with Tulare County Public Works Department to review criteria and options
10. Meeting with Tulare County Public Health Department to review criteria and options
11. Develop Base Sheet(s)

Task 3: Schematic Designs

SDI will develop 2 or 3 schematic design concepts, at SDI's option and discretion, to be determined after review of existing conditions and County staff priorities. These concepts will be reviewed with the County. SDI will be assisted by selected Sub Consultants.

Based on the information gathered, criteria and the County staff priorities gathered, SDI will generate Rough Conceptual Design Layouts for the proposed pond improvements include public access and anticipated utility connections and water delivery and drainage to and from the lily pond. SDI will design 2 alternatives with potential options or 3 alternatives (at SDI's option and discretion).

SDI will utilize its unique 'Knowledge Based Design™' process and techniques to generate ballpark/ rough Estimates of Probable Construction Costs for each of the alternatives. These designs will be plan view only with minimal labeling and basic color added to assist with readability. Any cross sections or draft details shall be at SDI's discretion if needed to further explain the schematic alternatives. These design concepts will be reviewed at the County offices with County staff and by County selected officials.

The County will select a generated alternative or some combination of alternatives/features and authorize SDI to further develop the selected alternative and components into a Schematic Master Plan.

Task 4: Master Plan

Based on County direction SDI will refine the selected Schematic Design Alternative and components into a Schematic Master Plan. This plan will be developed in plan view with 1 or 2 rough cross sections. This refined design will be reviewed with County staff to confirm that the design matches the direction and input received. SDI will inform the County staff of any other opportunities, options, constraints that may have been encountered while developing the design. The County will review and provide SDI with any further direction needed to complete the design.

SDI will further refine the design based on County staff input into a Final Master Plan with 2 cross sections/elevations. The Master Plan and cross sections/elevations will be color rendered.

SDI will refine the Estimate of Probable Construction Costs to reflect the Master Plan.

At the completion of the Master Plan renderings and Cost Estimate generation SDI will provided these to County staff to assist with any presentations, marketing or demonstrations by the county that they may choose or need to share with County administration, elected officials and/or potential future funding partners.

The County of Tulare, at the completion of the Master Plan, shall provide SDI with authorization to proceed to Design Development, Construction Documents and Bid Set.

Task 5: Design Development & Construction Documents

Sierra Designs and select Sub Consultant(s) will develop Construction documents based on the County agreed to components contained within the Master Plan and accounted for in the Estimate of Probable Construction Cost.

1. Design Development – 30%:

During this process SDI and/or its Sub Consultants may request informal ‘on the boards’ meetings with selected members of County staff, at the SDI or Sub Consultant offices, to further refine design concepts or clarify County requirements as related to the design.

Progress sets of plans will be provided to the County at 30%. Additionally, SDI will generate a Design Development level Architects Estimate of Probable Construction Costs.

County staff will review and provide written comments related to the design development plans, cost estimate and specifications provided by SDI. After receipt of the written comments the County and SDI will meet with County staff to review the comments and the County will provide any other direction within the scope of the project.

If deemed necessary, the County shall identify items which will be shown on plans as Additive Alternates based on the Estimate of Construction Costs.

If additional items are identified as needed or desirable, that are not contained within the Master Plan design or estimate, it shall be determined if these items are contained within the original DD/CD scope or if they are additions to the scope, budget and fee implications shall be reviewed; should it be determined that the added items are determined to be additional scope, the County shall direct SDI to include or exclude those items with the associate budget, fee and time.

At the completion of this review the County will provide SDI with an Authorization to Proceed.

2. Construction Documents 60% & 90% Plans:

After authorization to proceed SDI and Sub Consultants will move forward with the development of Construction Documents. SDI will provide electronic plans and specifications for review and the County will provide written comments at both 60% and 90% plans.

The Estimates of Probable Construction costs will be updated and provided, SDI will inform the County of any items which it discerns may significantly modify the previously estimated Construction Costs.

3. Construction Documents 99%+ - Page Turn Review:

SDI will determine when the plans and specifications are 99%+ complete, which shall provide these plans electronically, including a revised Architects Estimate of

Probable Construction Costs. The County shall review and provide written or marked up comments on the plans.

The County, SDI and select Sub Consultants shall meet in a 'Page Turning Review Meeting' to review the plans, specifications and cost estimate in detail. Based on this meeting, SDI and Sub Consultants shall make needed mutually agreed to modifications which are contained within the scope and fee.

Task 6: Bidding

Based on the Page Turn Review SDI and Sub Consultants shall generate a Bid Set of technical plans, details and specifications.

County will compile the technical plans and specifications provided electronically by SDI into a Bid Set complete with all standard Boiler Plate General and Special Conditions as well as all other County standard required items to bid projects, as well as being responsible for all advertising and administrative management of the bid process. The County will provide 100% administrative control and issue all RFI's, ASI and Addendums administer the Pre Bid Meeting, bid opening and award.

SDI and select Sub Consultants shall be available to provide Bidding Assistance in the form of technical RFI responses, ASI and technical Addendums, if needed, and attend 1 Pre-Bid Contractors meeting at the project site.

Task 7: Construction Administration Assistance

SDI and selected Sub Consultants shall provide the County with assistance in the form of:

1. Products, equipment, materials, and shop drawing submittal reviews
2. Periodic Site reviews with recommendations
3. Contractor Payment Requests review
4. RFI responses
5. Technical Change Orders

The County shall provide:

1. Project Manager
2. Construction Manager
3. Inspector of Record
4. Post/distribution of all correspondence provided by the Consultant team to the Contractor and others the County deems appropriate.

Task 8: Operations Documentation, Operations and Maintenance Manual:

After completion of Lily Pond reconstruction and equipment start up, the County Staff and SDI and Sub Consultants shall work collaboratively to document the operation of the pond system and compile an Operations and Maintenance manual. SDI and P&P will provide an Outline Operations and Maintenance Manual which will include basic assumptions. SDI proposes that this manual be vetted, further developed, noted below.

After successful completion of construction and start up of the equipment, the County will accept the project from the Contractor and the County shall then be 100% responsible for the operations and maintenance of the Lily Pond.

The County staff shall utilize its best estimate of the number of water turns (daily/weekly/monthly/seasonal) water exchanges needed to provide a healthy body of water and any other maintenance products or procedures needed, included hours of pump operation, volumes of water passing through the fountain, labor and equipment hours needed, and separate any unique/unusual events (for example: vandalism events which require additional unscheduled maintenance). The County shall document on a weekly basis the variable components, for example: number of water exchanges, time of day exchanges occur, water and ambient temperature, oxygen concentration, cleanings etc. as it deems necessary. This information will be shared with SDI and Consultants on a monthly basis. The County shall gather information for 1 year starting 1 month after the acceptance of the project by the county. This 1-month delay will allow for startup processes which are not anticipated to be standard operation procedures.

At the end of the one year of operation, SDI and Sub Consultants shall synthesis the information provided by the County and provide a draft Operations and Maintenance Manual for review by the County. The County shall make any modifications they deem needed and necessary and those modifications shall be provided to the County by SDI.

4. Consultation and Fee

Fees for the first 4 tasks noted above, from the Kick-Off Meeting through Master Plan Development, can be quantified and are listed as fixed fees, excluding any additional services that would require reimbursable expenses.

The fees for the remaining tasks will need to be determined based on decisions and selections made by the County and the anticipated cost of design and construction cost. Since the County has wisely not pre-selected equipment and dictated a solution, it is yet unknow how simple or complex the final design effort and systems will be to satisfy the Counties on going needs.

As part of this process the SDI design team anticipates that there may well be 2 or more options for most of the components of Lily Pond:

1. Methods of demolition
2. Protection and repair of the existing exterior wall
3. Repair of the fountain central feature
4. Multiple options for the water source delivering water to the pond
5. Options for overflow and/or draining
6. Accessibility to the Lily Pond

Our team anticipates that after a thorough investigation of the existing conditions and consultation with various County departments and staff members to bring forward options that the design team believes are relevant and feasible. These options will not only look at the immediate task of pond restoration, but also how the pond fits into the overall picture of Mooney Grove Park. Each option for each component will have benefits and attributes. Each of these options will realistically have different costs for design, development, construction, maintenance and operating costs.

SDI and P&P will identify these options and the anticipated costs to the County for review and evaluation. The County will be tasked with selecting their preferred options and components during the Schematic Design and Master Plan Phase. After these

decisions have been made SDI and its Sub Consultants can provide a fixed fee for the remaining design based on a percent of construction costs.

Tasks 1 – 4	Fixed Fee	\$ 56,915
Task 1: Kick Off		\$ 5,919
Task 2: Base Data & Research		\$ 13,859
Task 3: Schematic Designs		\$ 25,511
Task 4: Master Plan		\$ 11,626

Tasks 5 - 8 15% of Construction Costs

With so many unknowns and after reviewing the site and making some educated guesstimates, the design team feels that the construction costs could be in the range of \$400,000 to \$600,000 to refurbish the Lily Pond and provide water service and drainage. The actual cost of construction will be dependent on selections and decisions made by the County of Tulare.

Task 5- 8 Fee Estimates are currently based on Estimate Construction Costs:

\$ 400,000 Construction Cost	\$ 60,000
\$ 500,000 Construction Cost	\$ 75,000
\$ 600,000 Construction Cost	\$ 90,000

Once a Master Plan Design has been determined, SDI and our Sub Consultants can provide a more detailed work plan and schedule.

Sierra Designs *inc.*
Landscape Architecture
Fee Schedule 2019

Professional Services **Rates**

Principal in Charge Landscape Architect	\$ 165.00/hr.
Principal Landscape Architect	\$ 135.00/hr.
Senior Landscape Architect	\$ 125.00/hr.
Contractor/ Estimator	\$ 125.00/hr.
Landscape Architect	\$ 110.00/hr.
Senior Landscape Designer/Project Manager	\$ 95.00/hr.
Landscape Designer/AutoCAD/Revit Tech	\$ 85.00/hr.
AutoCAD Technician #1	\$ 75.00/hr.
AutoCAD Technician # 2	\$ 65.00/hr.
Office	\$ 45.00/hr.
Expert Witness	\$ 300.00/hr.

REIMBURSABLE EXPENSES

Cadd Plots 24x36	\$ 5.00/ea.
Outside Printing, Postage & Overnight Services (printing exceeding 5 sheets/pages and all color is outside printing)	Cost + 10%
Consultants & Testing Labs	Cost + 10%
Mileage	State Rate.
Lodging/Per Diam	At Cost

PROVOST & PRITCHARD CONSULTING GROUP
STANDARD FEE SCHEDULE
Effective 1/1/2019
 (hourly rates)

This schedule supersedes previously published fee schedules as of the effective date
Multi-year contracts are subject to any subsequent changes in these rates

	<u>Fee</u>
<u>ENGINEERING STAFF:</u>	
Assistant Engineer	\$ 95.00 - \$115.00
Associate Engineer	\$120.00 - \$140.00
Senior Engineer	\$145.00 - \$175.00
Principal Engineer	\$180.00 - \$220.00
<u>SPECIALISTS:</u>	
Assistant Environmental Specialist	\$ 85.00 - \$110.00
Associate Environmental Specialist	\$117.00 - \$147.00
Senior Environmental Specialist	\$150.00 - \$175.00
Principal Environmental Specialist	\$185.00 - \$215.00
Associate GIS Specialist	\$ 95.00 - \$115.00
Senior GIS Specialist	\$120.00 - \$150.00
Assistant Geologist/Hydrogeologist	\$ 90.00 - \$105.00
Associate Geologist/Hydrogeologist	\$110.00 - \$135.00
Senior Geologist/Hydrogeologist	\$150.00 - \$180.00
Associate Water Resources Specialist	\$ 95.00 - \$115.00
Senior Water Resources Specialist	\$120.00 - \$150.00
<u>PLANNING STAFF:</u>	
Assistant Planner/CEQA-NEPA Specialist	\$ 75.00 - \$ 95.00
Associate Planner/CEQA-NEPA Specialist	\$100.00 - \$125.00
Senior Planner/CEQA-NEPA Specialist	\$140.00 - \$165.00
Principal Planner/CEQA-NEPA Specialist	\$170.00 - \$195.00
<u>TECHNICAL STAFF:</u>	
Assistant Technician	\$ 75.00 - \$ 95.00
Associate Technician	\$100.00 - \$120.00
Senior Technician	\$130.00 - \$145.00
<u>CONSTRUCTION SERVICES:</u>	
Associate Construction Manager	\$115.00 - \$135.00
Senior Construction Manager	\$140.00 - \$162.00
Principal Construction Manager	\$170.00 - \$200.00
Construction Manager Prevailing Wage ^{(1) (2)}	\$142.00 - \$167.00
<u>SUPPORT STAFF:</u>	
Administrative Assistant	\$ 65.00 - \$ 85.00
Project Administrator	\$ 73.00 - \$ 93.00
Project Manager	\$125.00
Intern	\$ 65.00
<u>SURVEYING SERVICES:</u>	
LSIT Surveyor	\$ 95.00 - \$115.00
Licensed Surveyor	\$125.00 - \$160.00
	<u>Prev. Wage (1)</u>
1 Man Survey Crew	\$165.00 \$190.00
2 Man Survey Crew	\$230.00 \$270.00
2 Man Survey Crew including LS	\$265.00 \$275.00
1 Man CORS Survey Crew	\$180.00
2 Man CORS Survey Crew	\$230.00
UAV (Drone) Services	\$205.00
(Field Work not including survey equipment billed at individual standard rate plus vehicle as appropriate)	
<u>EXPERT WITNESS:</u> As quoted.	
<u>TRAVEL TIME</u> (for greater than 1 hour from employee's base office): \$80/hr (unless the individual's rate is less)	
<u>PROJECT COSTS:</u>	
Mileage	IRS value + 15%
Outside Consultants	Cost + 15%
Direct Costs	Cost + 15%

(1) Prevailing wage rates shown for San Joaquin, Stanislaus, Merced, Madera, Fresno, Tulare, Kings and Kern Counties, other counties as quoted.

(2) Overtime for Construction Services prevailing wage will be calculated at 125% of the standard prevailing wage rate.



Price List

November 29, 2019

	Hourly	Half Day (4 Hrs)	Full Day (8 Hrs)
Aerial Imaging & Mapping			
FAA certified Part-107 Remote Pilot	175.00	650.00	1,300.00
Visual Observer/Payload & Camera Technician	65.00	240.00	460.00
 Post-Production Editing & Rendering Services	50.00		
Includes: Video Editing, Sound Adjustments, Title Creation & Integration, Color Correction, Encoding of Final Output for DVD, Blue-Ray, Web, etc., and Uploading to YouTube, Vimeo, Facebook, etc.			
 Technical Post Processing	65.00		
Includes: Photogrammetry processing in Pix4D, Agisoft, GIS or other related software.			
 Pre-Flight Planning	65.00		
Includes: Managing airspace authorization, programming autonomous flight missions, obtaining permissions from law enforcement and governing authorities. NOTE: Does not include obtaining permissions from property owners & neighbors which is the verifiable responsibility of the client.			
 Pre-Production Service	85.00	300.00	600.00
Includes: Script Writing, Storyboarding, Location Scouting, Creating Shooting Plan and Schedule, etc.			

Ground GCP Stabilization of AeroPoints

50.00

AeroPoint Ground GCP Unit Placing, Pick-up & Syncing for processing

Vehicle Travel (Per Vehicle)

65.00

5. Schedule

The current schedule proposed the Tulare County of 90 days, we do not consider enough to provide and thorough design process.

We propose that the first 4 tasks – from the Kick Off Meeting through the Master Plan can be accomplished within the proposed 90 days.

The timeline for the balance of the project will be somewhat dependent on decisions and selected items the County determines are best suited for the project. We anticipate that the balance of the project can be accomplished in an additional 90 days. The sole exception would be the one-year finalization of the Maintenance and Operations Manual.

6. Exclusions:

The following is a partial list of major items which are excluded by the design team.

1. Environmental Studies and processing
2. Permitting
3. Testing of soils, water, equipment etc.
4. Exposure and uncovering of existing utilities
5. Out of town travel, lodging, per diem
6. One way Hold Harmless contract clauses
7. Defense of Client contract clauses
8. Printing (one hard copy at each phase is included)
9. Extra meetings beyond those described in the Approach
10. Construction site reviews beyond basic normal reviews
11. Inspections
12. Project Management
13. Construction Management
14. Processing of RFI's, Addendums, ASI, Payment requests and other administrative activities
15. Bidding Advertising
16. Detailed analysis of Change Order requests

Spence Fence Company Enterprises

1145 No. Miller Park Ct.
 Visalia, CA 93291

Phone# (559) 651-2889 Fax# (559) 651-2890

License# 987483

Estimate

Date	Estimate #
8/19/2019	10437

Name / Address
TULARE COUNTY GENERAL SERVICES AGENCY 2637 W BURREL AVE SUITE #200 VISLIA, CA 93291

Terms & Conditions

1. Owner is to be present when the crew arrives.
2. Owner is to verify the location of the fence to be removed & or installed.
3. Owner is required to inspect the job when completed.
4. Owner is required to pay the invoice in full to the crew leader on site.
5. Warranty: One year on workmanship, no warranty on wood products after the job is inspected, due to wood being exposed to the natural elements. (water, sun, etc.)
6. Spence Fence Company Enterprises is not responsible for underground pipes, wire, cables, gas lines etc. USA will be called by Spence Fence Company Enterprises before starting the job if it is located in the front of the house or utility easement.
7. Owner is to clear a two foot pathway along the fence line.

Description	Qty.	Contact	
		Rate	Total
INSTALL APPROXIMATELY 180' OF 5' TALL BLACK ARISTOCRAT STYLE ORNAMENTAL IRON FENCE (RESIDENTIAL STYLE) OPTION FOR COMMERCIAL STYLE =\$ 16,200.00 MATERIAL/RESIDENTIAL: 1" X 1" RAILS 5/8" X 5/8" PICKETS 2" X 2" POST MATERIAL/COMMERCIAL: 1 1/2" X 1 1/2" RAILS 3/4" X 3/4" PICKETS 2" X 2" POST JOB: MOONEYS GROVE PARK NOTE: JOB IS PREVAILING WAGE		9,800.00	9,800.00

Signature _____	Total	\$9,800.00
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Notice to Owner

Under the Mechanics lien law, any contractor, subcontractor, laborer, materialman or other person who helps to improve your property and is not paid for his labor, services or material, has a right to enforce his claim against your property " Under the law, you may protect yourself against such claims by filing, before commencing such work or improvement, an original contract for the work of improvement or a modification thereof, in the office of the county recorder of county where the property is situated and requiring that a contractor's payment bond be recorded in such office. Said bond shall be in an amount not less than fifty percent (50%) of the contract price and shall, in addition to any conditions for the performance of the contract, be conditioned for the payment in full of the claims of all persons furnishing labor, services, equipment or materials for the work described in said contract."

**** WE ACCEPT ALL MAJOR CREDIT CARDS ****

Estimated price includes material, and labor to complete job as stated above, unless otherwise noted. Price may be adjusted to actual measured footage completed. Due to varying material cost, this estimate is valid 20 days from date.