

Providing creative design solutions for outdoor environments.

Request for Proposal

Professional Landscape Architecture and Engineering Design Services and Construction Documents for

STEWART PARK IMPROVEMENT PROJECT



February 23, 2022

CALIFORNIA
2907 Shelter Island Drive #105-417
San Diego, CA 92106
619-795-7603

NEW YORK (P.C.)
P.O. Box 356
Orchard Park, NY 14127
716-508-8341



COVER LETTER



02/23/22

Dustin Christensen
Principal Engineer Public Works
550 E. 6th Street
Beaumont, CA 92223

**Re: Request for Proposal - Professional Landscape Architecture and Engineering
Design Services and Construction Documents For
Stewart Park Improvement Project**

Dear Mr. Christensen,

In-Site Landscape Architecture, Inc. is pleased to submit our Statement of Qualifications and Fee Proposal for the Stewart Park project. As part of our commitment to the success of this project and as part of our proposal response, we have already begun to assess the City's draft park concept plan by analyzing the park program elements and relationship to each other, the park's forms, aesthetic, and sense of place, the park's function, and the park's annual historic Cherry Festival and Freedom Festival.

Our team has recently completed several similar projects and we excel at providing creative design solutions while maintaining budget and schedule with outstanding service to our clients. We have assembled a top-notch team that will function as a cohesive unit with the City and look forward to starting this exciting project with you.

Our success is attributed to:

- 1.) relevant knowledge, skills, and abilities;
- 2.) good professional "chemistry" with clients and team members;
- 3.) creativity in design and problem solving;
- 4.) very clear graphic, written, and verbal communication skills; and
- 5.) exceptional reliability.

If you would like to contact us regarding this proposal, you may reach us at 619-795-7603, or email tim@insitelandarch.com. We have the necessary experience, resources, availability, and enthusiasm to begin working with the City of Beaumont immediately. This cover letter constitutes certification by the Consultant, under penalty of perjury, that the Consultant complies with nondiscrimination requirements of the State and Federal Government.

Sincerely,



Tim Jachlewski Jr, President



INTRODUCTION / INFORMATION



B. INTRODUCTION / INFORMATION

SCOPE OF SERVICES UNDERSTANDING

The In-Site Landscape Architecture, Inc. team understands and excels at providing the scope of proposed scope of services for this project. We have assembled a top-notch team to provide the expertise and success to the City for each of the scope items as follows:

In-Site Landscape Architecture, Inc. (In-Site):

- Project Management/ City & Team Coordination
- Landscape Architecture/ Park Design
- 3D Visualization
- Site Improvement Plans
- Planting Plans
- Irrigation Plans
- Construction Administration

Subconsultants:

Michael Baker International (MBI):

- Topographic Surveying and Utility Potholing
- Environmental Services
- Property, Easement and Right-of-way Support
- Jurisdictional Coordination
- Beaumont Cherry Valley Water District Plans
- Grading plans
- Drainage & Storm Drain Plans
- Erosion control plans

JLC Engineering and Consulting, Inc.:

- Hydrological Assessment

Leighton Consulting, Inc.:

- Geotechnical Investigation

Visual Concepts Lighting, Inc.:

- Lighting and Electrical Engineering

Utility Specialists Southwest, Inc.:

- SCE Electrical Plan of Service

New Line Skate Parks Inc.:

- Skate Park Consulting / Plans

California Waters:

- Splash PAD Consulting/ MEP Plans

*See project approach regarding architecture and structural engineering services.

CONTACT INFORMATION

Name of the firm submitting the proposal:
In-Site Landscape Architecture, Inc.

Business address:

2907 Shelter Island Drive #105-417
San Diego, CA 92106

Telephone number:

619-795-7603

Local satellite office address:

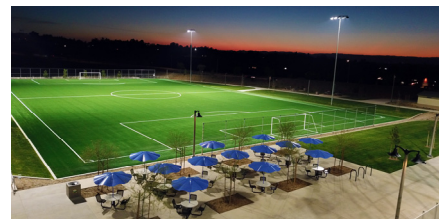
(Ron Moreno)
67-458 Rio Vista Drive
Cathedral City, CA 92234

Mailing address:

P.O. Box 356
Orchard Park, NY 14127

Name of the individual to contact if further information is required:

Tim Jachlewski, President
619-795-7603
tim@insitelandarch.com





APPROACH



CONCEPTUAL PLAN ANALYSIS

As part of our commitment to the success of this project and as part of our proposal response, we have assessed the City's draft park concept plan by analyzing the park program elements and relationship to each other, the park's forms, aesthetic, and sense of place, the park's function, and the park's annual historic Cherry festival and Freedom Festival.

Please note, these are preliminary ideas that we prepared to illustrate design concepts to the City as part of our proposal and approach. They are not intended to convey the final design of the park. Once selected for the project, our team will work with the City and community to prepare the final park design taking into account all the City's goals and objections as a coordinated team player with the City.



Multi-Purpose Field and Concert Venue (south-park)

The south-section of the park has the opportunity to be a multi-purpose field, concert venue, and festival venue while also feeling like a "town square". This great lawn may be bordered with an oval, tree-lined concrete path great for exercise, walking, and ADA access flanked by adjacent picnic areas and park benches that can be used during sporting events, concerts, and passive recreational times. Landscape berms and evergreen trees may frame the bandshell stage while screening the loading/service area.



Example Preliminary 3D Rendering

Playground and Picnic Grove (mid-park)

The mid-section of the park has the opportunity to serve as an extension of the great lawn for events and recreation while becoming less formal through a meandering concrete path. The playground and additional picnic areas may be located among the existing grove of trees, and the skate park moved west along the park edge so it does not break the flow of the lawn area. A restroom centered between the south and mid park may be conveniently located to serve the multi-purpose field, playground and picnic grove, and skate park.



Example Preliminary 3D Rendering

Splash Pad, Playground, and Nature Play (north-park)

The north-section of the park has the opportunity to become more naturalized by creating a “nature play” area through the basin bottom complete with a meandering rock-lined low flow swale, boulders, and informal groupings of native trees and grasses capable of withstanding inundation during rain events. We recommend siting the splash pad and playground on higher ground out of the inundation zone through creative grading to maintain the volume of the basin while protecting those amenities from flood events. We also recommend including an exercise station north of the playground for teens and adults. The splash pad may include lounge-style seating for parents watching their children play as well as café-style seating and we recommend locating the restroom building between the splash pad and playground for convenient access.



Example Preliminary 3D Rendering



Example Preliminary 3D Rendering

Nature Play Examples



THE CHERRY AND FREEDOM FESTIVALS

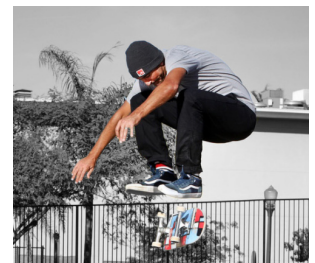
The park design may be enhanced at a thematic level by paying homage to the historic cherry festival and freedom festival through colors, shapes, and plant materials. Trees such as Floss Silk Tree may be incorporated that bloom pink/ white similar in color to cherry blossoms. Circular patterns and red shade structures may represent red cherries contrasted with blue play surfaces representing the blue skies of freedom and our nation's colors.



SPECIALTY CONSULTING

The In-Site team includes specialty sub-consultants to provide design collaboration and engineered plans for the skate park portion (New Line Skateparks) and splash park (California Waters) scope of services.

A long-time fixture in the professional skateboarding world, Kanten Russell is a lead designer for New Line Skateparks. Growing up in Southern California—the birthplace of skateboarding—Kanten quickly became a leading figure in the region's skateboarding scene and was a professional skateboarder for 12 years. After semi-retiring from professional skateboarding, Kanten studied civil engineering and landscape architecture as he transitioned into Skate Park design professionally for the last 15 years. Kanten has led the design process of over 300 skate parks across the country.



Kanten Russell

Engineering a technologically advanced splash pad requires a thorough understanding of the intricacies of fluid dynamics. California Waters blends their expertise in mechanical and structural engineering with their passion for creative architectural design. Their focus on strategic planning and attention to detail minimize RFI's and change orders while maximizing the success of their projects. Their expertise in value engineering maximizes project budgets without sacrificing project vision. With an open flow of information between their service division and engineers, their projects perform as planned.



Ridgeline Park - Corona, CA

Joseph Castaneda (JLC Engineering and Consulting) provides detailed storm water quality facility design, hydrology and hydraulic calculations, and preliminary drainage studies and reports including drainage PS&E. His experience is used by public agencies and other consultants to solve complex flood control and water quality constraints. The existing Stewart Park Basin has a drainage area of approximately 160 acres of watershed area. The major focus of the hydrological study will be to determine how the park/basin operate in the existing condition and how the basin will operate after the park improvements. The basin analysis will be complicated since the overall park system between 7th Street and 11th Street behave as a series of basins. As a result, the primary objective is to develop hydrology and hydraulic models that demonstrate the existing operation of the park/basin systems. The existing condition will become the baseline condition as part of an impact analyses that will be required to evaluate mitigation measure required to prepare the park enhancements. The goal of the project will be to design a park/basin site that improves community flooding and mitigate potential project impacts.

COMMUNICATION

In-Site excels at effective written, verbal, and graphic communication. We will provide weekly meeting agendas followed up with meeting minutes listing action items, responsible party, and due dates. We also excel at effective plan graphics and realistic 3D renderings which will successfully communicate design concepts to the City staff, City officials, stakeholders, and the public.



3D Rendering
County of San Diego Harvest Park and adjacent private recreation center



Post Construction Photo
County of San Diego Harvest Park and adjacent private recreation center

POTENTIAL FUNDING AND IMPROVED BUDGET/ SCHEDULE

The project team recommends that during the project assessment, a storm drain solution that develops regional benefits and meets the goals of the RCFC&WCD Beaumont Master Drainage Plan be developed for the project. This will allow the project to potentially obtain project funding as part of the RCFC&WCD “Request for Capital Improvement Projects”. The current RCFC&WCD management prioritizes project that have multi-benefits and meet the following goals: 1) Ground Water Recharge, Flood protection, improving Water Quality benefits, Parkland and Trails, and reduce community flooding. The design team has been able to assist other project in obtaining funding through “Request for Capital Improvement Projects”. The design of this project has a high probability of receiving funding for project improvements.

Our team also recommends utilizing a direct cooperative purchase agreement between the City of Beaumont and Romtec (or similar prefabricated building manufacturer) for the park restroom buildings to save the City Architectural, MEP, and Structural Design fees and to improve the construction schedule. This provides the City the greatest value for the project by the 5%-9% cooperative agreement discount provided to the City, the elimination of the 10%-15% general contractor markup, and the elimination of traditional bid design fees (which have been \$60,000 on other projects) by using the direct purchase option. We also recommend this approach for the same reasons for the shade shelters and bandshell by having the manufacturer prepare the engineered shop drawings and structural calculations.

Task 3.2 of the Geotechnical Investigation scope in the RFP states “fault line evaluation”, however that would be a significant cost and would require various long trenches to map the fault across the park which does not seem appropriate for this type of development since there are no habitable structures. We excluded this service from our base fee to save the City money. (This service may be added to our scope as an optional item if the City still elects to have the service completed.)

QUALITY ASSURANCE

Accurate plans equate to accurate bidding and minimize construction change orders. Thorough plan checking is essential for this to occur. The quality control/ quality assurance for this project includes four steps. It is based on the ISO 9001 (International Organization for Standardization) procedures for design and engineering firms.

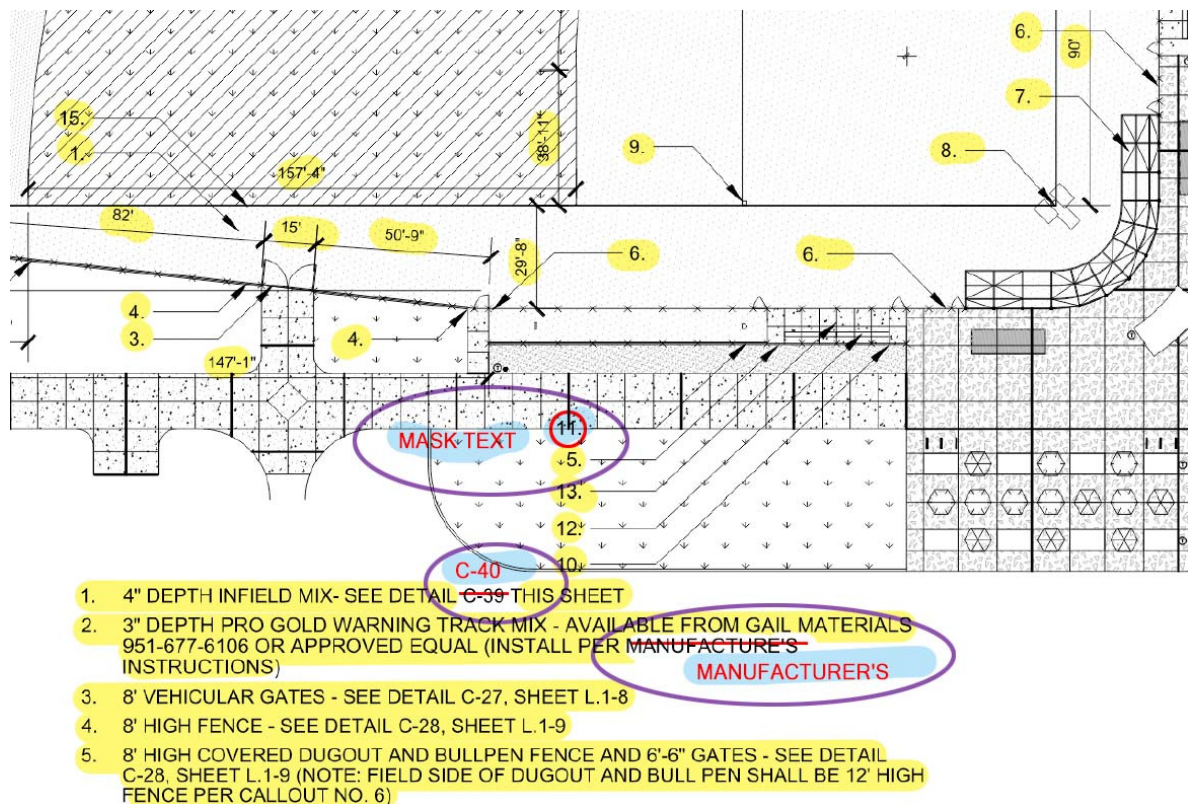
Plans are reviewed by the plan checker (project manager or principal). All items that are checked and are correct are highlighted in **yellow**. This ensures that the plan reviewer has checked all items.

Incorrect items are noted in **red**.

As corrections are made by the designer, the comments are highlighted in **blue**. This ensures that the designer addressed each comment.

The revised plans are compared to the check set by the plan checker. If the comments are revised correctly, the comment is circled in **purple** on the check set. This ensures the plan checker's comments were correctly understood, properly revised, and properly printed to PDF.

The diagram below illustrates this procedure. Although the required colors seem arbitrary at first, it unifies the team preparing the plans and eliminates confusion on each of the stages of plan checking. It ensures a very thorough plan check and very thorough revision checking.





FIRM PROFILE





FIRM BACKGROUND

In-Site Landscape Architecture, Inc., a California Corporation, was founded in 2007 in San Diego, CA.

Our Mission: To provide creative design solutions for outdoor environments while honoring God through client relations, service excellence, and business ethics.

Our Vision: To champion the stewardship of the earth by balancing the needs of people and the environment.

In-Site Landscape Architecture, Inc. specializes in parks and recreation, trails, environmental restoration, master planned communities, streetscapes, mixed-use, wineries, resorts, hotels, schools, libraries, churches, healthcare facilities, commercial, high-end residential, and governmental consulting throughout Southern California as well as New York, Arizona, and Oregon.

In-Site Landscape Architecture, Inc. breaks conventional design processes by:

Creatively engaging the client and project stakeholders; Implementing imaginative design themes and concepts through technically sound solutions; And by bringing heart, passion and enthusiasm into every project. We have five professional personnel ranging in 45 years experience to 9 years experience.



www.insitelandarch.com

SERVICES

- Site Analysis
- Site Master Planning
- Community Outreach / Workshops
- Computer Simulations
- Computer 3D Modeling
- Computer 3D Animations
- Dynamic Project Presentations
- Design Guidelines
- Landscape Standards
- Agency Approvals
- Construction Documents
- Construction Administration
- Storm Water Pollution Prevention Consulting (QSD/QSP)

CALIFORNIA

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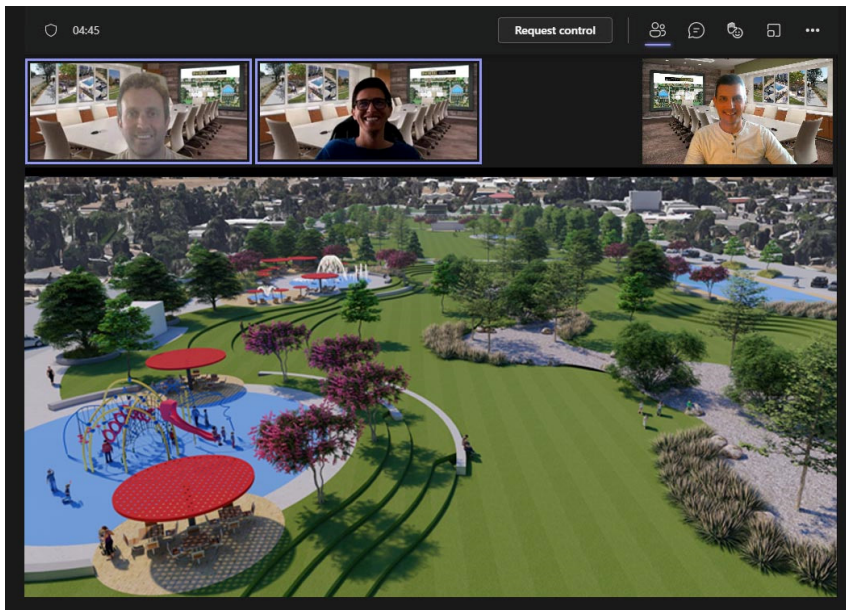
LOCATION



THE 'GREEN OFFICE'

Since In-Site Landscape Architecture, Inc. was founded in 2007, the company has pioneered the sustainable “Green Office” model. For the last 15 years, all employees work from home offices to reduce our company’s carbon footprint and to improve employees’ work/life balance and productivity by eliminating typical time-consuming Southern California commuting. Without the restriction of commuting to a designated office location, this has also allowed us to attract top talent in the Southern California region. Our staff works from San Diego, Costa Mesa, Cathedral City, Los Angeles and New York.

Our company seamlessly works together using the web-based Microsoft Teams. This platform allows our staff to feel a sense of place, presence, and connectivity and also provides an online screen sharing and via video chat. While Covid-19 has changed the way most businesses and municipalities operate, there was no change to In-Site’s procedures since we have already adapted and excelled with this business model over the past 15 years.



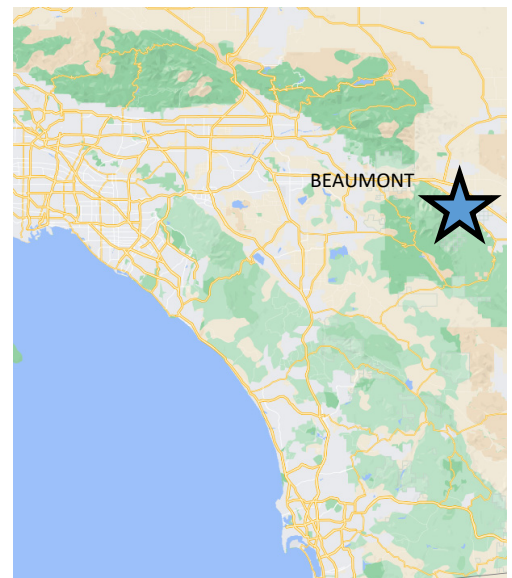
Microsoft Teams in-house meeting

Business address:

2907 Shelter Island Drive #105-417
San Diego, CA 92106

Local satellite office address:

(Ron Moreno)
67-458 Rio Vista Drive
Cathedral City, CA 92234





ORGANIZATION - KEY PERSONNEL



Tim Jachlewski

Landscape Architecture/
Project Manager - In-Site



Alex Koutzoukis

Landscape Architecture/ Co
Project Manager - In-Site



John Tanner III

Engineering Vice President
MBI



Peter Minegar

Environmental Manager
MBI



Jason Hertzberg

Geotechnical Principal
Engineer - Leighton



Ron Moreno

Landscape Architecture/
Irrigation - In-Site



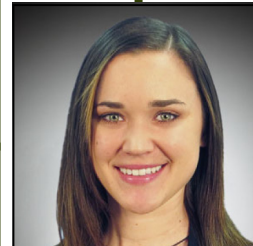
Pat O'Connor

Landscape Architecture
In-Site



Candice Fenton

Engineering Project
Manager - MBI



Alicia Gonzalez

CEQA Planning
MBI



Luis Perez-Milicua

Geotechnical Senior
Engineer - Leighton



Cheryl Lough

Landscape Architecture
In-Site



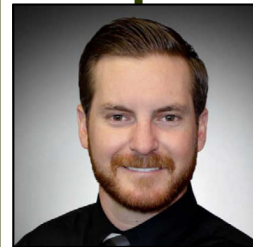
Kanten Russell

Skate Park Design Lead
Newline Skateparks



Jared Heiner

Engineering Technical
Manager - MBI



Thomas Millington

Senior Biologist
MBI



Kenny Perez Sr

Electrical and Lighting
Visual Concepts



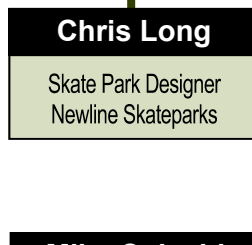
Mark Pitman

Splash Park M/E/P
California Waters



Kyle Dion

Skate Park Design Director
Newline Skateparks



Chris Long

Skate Park Designer
Newline Skateparks



John Duquette

Survey Manager
MBI



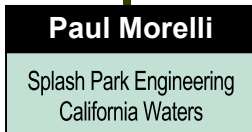
Joe Castaneda

Hydrology/ Hydraulics
JLC Engineering



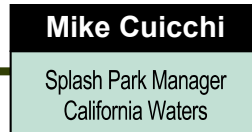
Tony Nissen

Dry Utility Consulting
Utility Specialists



Paul Morelli

Splash Park Engineering
California Waters



Mike Cuicchi

Splash Park Manager
California Waters

**See Appendix 1
for Resumes of
Key Personnel**



Sophie Tanner

Hydrology/ Hydraulics
JLC Engineering



Danny Merk

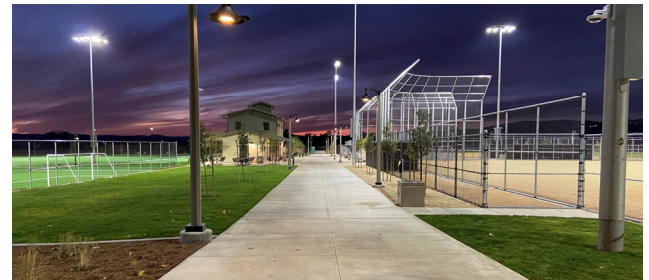
Dry Utility Consulting
Utility Specialists



PROJECT EXPERIENCE



G. PROJECT EXPERIENCE

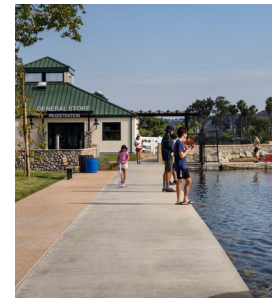
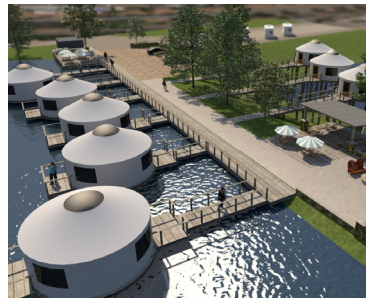


SPORTS RANCH AT SOMMERS BEND Temecula, CA



Responsible for the park master plan, preliminary grading design, cost estimates, construction documents, lighting/ civil engineering/ architectural design coordination, and construction administration for this 19.7-acre, \$8.4-million City of Temecula public park located in the Sommers Bend community. The Park includes two baseball fields, two artificial turf soccer fields, two basketball courts, open lawns, picnic areas, playground, "nature play" areas and trails, native plant habitats, concessions building, restrooms, maintenance building and yard, entry monument signage, connections to the Long Valley Wash trail system, storm water management bioretention areas, and parking. Construction completed 2022.

G. PROJECT EXPERIENCE

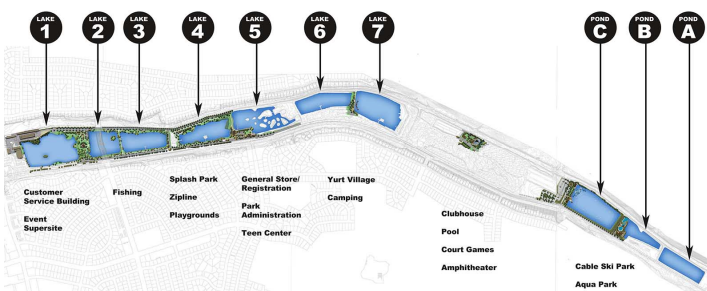


SANTEE LAKES RECREATION PRESERVE

Santee, CA



Santee Lakes Recreation Preserve is a 190-acre linear park situated on a series of lakes that collect, treat, and store recycled water for use within Padre Dam Municipal Water District. Responsible for the site planning and design of the 20-year, \$60-million Dynamic Vision Plan, \$1.6-million Phase 1 park improvement/ trail/ road/ parking project from concept through construction and \$9-million Phase 2 general store/ restaurant/ administration/ lakeside trail/ park improvement/ parking project from concept through Construction. In-Site worked closely with the director of Park and Recreation and the building architect (PWA) on the Dynamic Vision Plan that supports the preserve's desire for future growth and functional needs, including an improved park entrance, outdoor "super site" wedding and event venue, expanded fishing docks, splash park, zipline and landmark water tower, general store and grill area, administration/ teen center/ event area, clubhouse redesign including adult pool, family pool, splash park, concert/ performance amphitheater, dog run, pickleball courts, bocce ball courts, and shuffleboard courts, a yurt cabin village, aquatic park with cable ski course, new resort pool facility and numerous picnic areas throughout the park.



AWARDS AND RECOGNITION

- Project of the Year Finalist, San Diego Business Journal, 2021
- Feature Article - Park and Rec Business Magazine - April 2016



G. PROJECT EXPERIENCE



3D Rendering of Park and Future Dining and Shopping

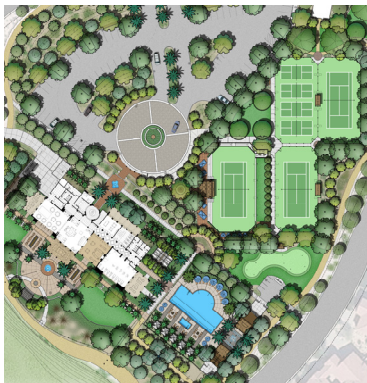
HARVEST PARK Valley Center, CA

Responsible for the master plan, illustrative graphic exhibits, 3D renderings, 3D animation, cost estimates, lighting/ civil engineering/ architectural design coordination, construction documents, and construction administration for this central gathering green space within the Park Circle master planned community.

This 2.6-acre County of San Diego public park includes a trail system, nature play areas, shade shelters, bandshell, exercise station, basketball courts, horse shoe pits, bocce courts, open lawn areas, restrooms, and an historic water tower from the original on-site dairy that was relocated to the park site and was repurposed as a community landmark and park sign. In-Site designed the park concurrently with an adjacent private recreation center, adjacent green infrastructure ephemeral stream which doubles as a nature play area and a future dining and shopping center that will blur the line between public and private development.

Construction completed 2022.

G. PROJECT EXPERIENCE



THE GRIFFIN CLUB Recreation Center - La Quinta, CA

Set against the backdrop of the breathtaking Santa Rosa Mountains, this \$8-million, 6.4-acre luxury Spanish Colonial private recreation center includes a recreation building, series of outdoor verandas, intimate courtyards, short-course Olympic sized swimming pool, splash park, tennis stadium, tennis courts, pickleball courts, off-leash dog run, putting green, recreational lawn areas, outdoor kitchen, dining areas, and walking paths that meander through the desert landscape. The grounds incorporate aesthetics that would be found at a high-end luxury resort. Responsible for preparing the site master plan, construction budget, 3D renderings, construction documents, and construction support.



AWARDS AND RECOGNITION

- Merit Award - American Society of Landscape Architects, NY Upstate, 2015
- Published - Landscape Architect & Specifier News Magazine, 2015



G. PROJECT EXPERIENCE



SANTA ROSA PLATEAU RESERVE VISITOR CENTER Murrieta, CA

Responsible, as co-lead consultant, for site analysis, conceptual design, photo simulations, and construction documents/ administration for this 10-acre project. The visitor center is located on the 9,000-acre ecological reserve in southwestern Riverside County. The reserve is a cooperative management project of the Riverside County Regional Park and Open Space District, The Nature Conservancy, California Department of Fish and Game, the U.S. Fish and Wildlife Service, and the Metropolitan Water District of Southern California. The design theme is a layered experience of aesthetics/ "sense of place", fun through exploration, education for all ages (including 8,000 annual third graders), and environmental stewardship. The scope of services included design for an ADA accessible interpretive trail, five demonstration native plant communities, entry improvements, monument signage, interpretive/ educational features, covered presentation stage/ platform, event patio, and parking expansion. The project includes contract grown plant species from site cuttings to ensure genetic compatibility, salvaged on site boulders, and masonry features made with local Santa Rosa Basalt to match the Reserve's Historic Cowboy Adobe site walls.

AWARDS AND RECOGNITION

- "Merit Award", American Society of Landscape Architects - SD, 2012
- Honorable Mention", California Trails and Greenways Committee, 2011

BONSALL COMMUNITY PARK - Bonsall, California

Michael Baker is preparing a Park Master Plan and final construction documents for Bonsall Community Park. The park site was formally known as the SLR Downs Park and is part of the San Luis Rey River Park. Michael Baker revised the Park Master Plan that was previously prepared for the County and is preparing final construction documents for 3 baseball fields, 4 soccer fields, 2 basketball courts, 2 tennis courts, 20,000 sf bicycle pump track, 15,000 sf skate park, Prefabricated concession building/restroom/office, Dog park with dog agility equipment, Multi-use trails with exercise stations, Playgrounds with shade structures, Shaded picnic areas, Prefabricated restroom, Pedestrian lighting, and Parking

Client: County of San Diego
 Completion Date: 2022
 Project Costs: \$645,381 (Fee)



SALK NEIGHBORHOOD PARK AND JOINT USE DEVELOPMENT San Diego County, California

Michael Baker is providing design services for a new park located adjacent to the Salk Elementary School and Maddox Park within the Mira Mesa Community. The park will include 4.1 acres of new park area and 2.0 acres of joint-use area with Salk Elementary. The improvements will include a new park sign, Americans with Disabilities Act (ADA) accessible concrete sidewalks, shaded picnic areas, multi-use fields, a decomposed granite walking/jogging path, restrooms, a children’s play area, butterfly garden, outdoor fitness equipment, benches, and a trailhead. Michael Baker facilitated a variety of public workshops to develop a community-based General Development Plan (GDP) that was presented and approved by the Parks and Recreation Department. Michael Baker is finalizing the construction plans, specifications, and estimates (PS&E) for review and approval by the City and the Division of the State Architect.

Client: City of San Diego Economic Development
 Completion Date: 2022
 Project Costs: \$597,774 (Fee)



CALAVERA HILLS COMMUNITY PARK GATEWAY IMPROVEMENTS - Carlsbad, California

Michael Baker provided civil and structural engineering services for improvements to the Calavera Hills Community Park, a 21-acre recreational space that features a community center facility, picnic areas, athletic fields, basketball and tennis courts, a sand lot, and a community garden.

Client: City of Carlsbad
 Completion Date: 2022
 Project Costs: \$71,440 (Fee)





CLIENT REFERENCES



H. CLIENT REFERENCES

Sports Ranch at Sommers Bend / Butterfield Stage Road Median Landscape Improvements

City of Temecula

Stacy Fox, Park & Landscape Maintenance Supervisor

41000 Main Street

Temecula, CA 92590

(951) 308-6306

Stacy.Fox@TemeculaCA.gov

2016-2022

Santee Lakes Dynamic Vision Plan / Phase I Park Improvement Project / Ph 2 General Store Project

Santee Lakes Recreation Preserve - Padre Dam Municipal Water District

Laura Koval, Director of Park and Recreation

9310 Fanita Parkway

Santee, CA 92071

(619) 258-4617

levans@padre.org

2015-2021

Sommers Bend / Long Valley Wash Trails/ Park and Ride Trailhead/ Density Core Linear Park

City of Temecula

Scott Cooper, Associate Planner II

41000 Main Street

Temecula, CA 92590

(951) 506-5137

scott.cooper@TemeculaCA.gov

2016-2022

Harvest Park at Park Circle

Touchstone Communities

Kerry Garza, President

9909 Mira Mesa Boulevard, Suite 150

San Diego, CA 92131

(858) 248-4951

kerry@touchstonecommunities.com

County of San Diego Parks and Recreation

Emmet Aquino, Park Project Manager

5500 Overland Avenue, Suite 410

San Diego, CA 92123

Email: Emmet.Aquino@sdcounty.ca.gov

Cell: (619) 318-6929

2014-2022

The Griffin Club Recreation Center

Decatur Advisors (Owner's Representative)

Scott McFerran

P.O. Box 2016

Carlsbad, California 92018

(619) 818-3596

scott.mcferran@decatur-advisors.com

2011-2014

H. CLIENT REFERENCES

“When interviewing companies to partner with us on our Dynamic Vision Plan (our 20-year Park and Campground Vision Plan), In-Site Landscape Architecture, Inc. was the unanimous pick due to their reputation in the industry, quality work, and enthusiastic interest in our project. The In-Site team did not disappoint. Personally, it was a thrill to work with a team who understood vision planning and embraced exploring our Park's future through an innovative lens.”

Laura Evans, Director of Park and Recreation
Santee Lakes Recreation Preserve

“Having designed over 30 parks, plan checked over 70 parks and built over 50 parks over the last 25 years, I can truly say, In-Site Landscape Architecture is the highest quality design firm in the industry. Their overall professionalism is second to none. Great quality control, clear and legible accurate plans and expedient response times is unparalleled. Their ability to balance quality architecture with functional sustainable park designs, without incurring unnecessary expenses, provide value to the end user. In-Site has set a standard in landscape architecture that few can compare to.”

James Potter, Vice President, Construction Division
Adame Landscape, Inc.

“I would like to express my full support and unreserved recommendation for In-Site Landscape Architecture. As co-lead designers of the Santa Rosa Plateau Ecological Reserve Visitor Center Improvement Project, they were instrumental in helping to enhance visitors' experiences to the Reserve. With their expertise in structural and public use design, a keen knowledge and appreciation of educational/interpretive methods, and a personable and professional demeanor that was evident throughout the entire project, they made the venture both successful and fulfilling. I would highly recommend their organization and their skilled employees for any and all future projects.”

Robert Hicks, Park Interpreter
Riverside County Regional Park and Open-Space District

“I have worked with In-Site Landscape Architecture, Inc for the past 5 years on the Sommers Bend residential development that includes over 460 acres, 1,506 residential units spread over 22 planning areas, and a sports park. During both the entitlement and construction documents period of the project In-Site has been organized, responsive, and has addressed comments that has kept the project moving forward with delay. In-Site has worked close with City Staff and the City's landscape consultant to produce appealing street scenes, front yard landscaping, and HOA maintained areas that are of the highest quality”

Scott Cooper, Associate Planner II
City of Temecula

“As the lead landscape architect on design and implementation at the Sommers Bend Master planned community, In-Site Landscape Architecture was instrumental in bringing the vision and needs of the client to reality. Their attention to detail and ability to work seamlessly with all approval agencies and contractors lead to faster turnaround times on plan check approvals and the client's construction schedule. The team offered cross functionality at our development team meetings with consultants and city that lead to being proactive to future issues that may have risen in the field. We are grateful to have In-Site involved in the design from the beginning to set the tone and look of the community that the residents will enjoy for years.”

Trent Heiner, Senior Project Manager
Woodside Homes Southern California Division

H. CLIENT REFERENCES

“In Site was retained to be a key part of designing and constructing the Griffin Club in La Quinta, CA. Working with Tim and his team was a real joy. Their design and technical skills are second to none, and they consistently work to keep any detail from falling through the cracks. What a great addition to the team.”

Scott McFerran, Owner’s Representative

Decatur Advisors LLC

“It has been a pleasure working with the team at In-Site Landscape Architecture, Inc. Together we have worked on some very high profile projects that demanded a sophisticated expertise in land design. The professional staff at In-Site has been extremely attentive to our client’s program requirements and have integrated seamlessly with our architectural team to produce highly successful and creative landscape design solutions. Their contributions at client meetings and in the preparation of presentation materials is the most professional consulting experience I’ve encountered in my over 40 years of practicing architecture.”

Jake Schneider, AIA, CEO

Schneider Architectural Services, PC

Schneider Real Estate Services, LLC

Schneider Development Services, LLC

Schneider Construction Services, LLC

“We have utilized In-Site and Tim Jachlewski before he formed In-Site for over 19 years. He is always creative and reliable. Schedules and budgets on large projects are key elements in keeping timelines and project financial projections on plan. Beyond the numbers is the interaction with other consultants and most importantly the government agencies. In all areas In-Site has and continues to excel. In the school of thought that a consultant doesn’t cost you but saves you money, we are fortunate to have the availability of their services.”

Rob Honer, Principal and Wade Hall, Principal

Ambient Communities

“I’ve worked with In-Site Landscape Architecture on Winery projects in the Temecula Wine Country. The firm has provided high quality expertise and attention to detail that has made our projects stand out from the rest. The company’s hands on approach and commitment to the success of the project are second to none.”

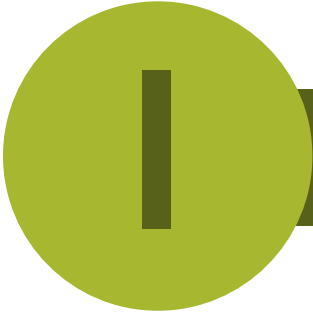
Bradley Hay

Hunsaker & Associates Engineers

“My leadership team had the pleasure of working with In-Site Landscape Architecture to redesign our pre-school playground. Tim also worked with our previous leadership to successfully design our Elementary and Upper School playgrounds. We found him to be a man of his word, conscious of meeting deadlines, and staying within our schools budgetary constraints. He and his staff have the knowledge and creative ability to be cutting edge, while being mindful of student safety, and meeting or exceeding specific school building code requirements. We look forward to working with him in the near future.”

Scott Marshall, Headmaster

Rock Academy



SCOPE OF SERVICES



I. SCOPE OF SERVICES

Services shall include the following tasks:

1. Project Management
2. Data Gathering and Analysis
3. Investigations
 - Surveying and utility potholing
 - Geotechnical Investigation
 - Hydrological Assessment
4. Environmental Services
 - CEQA Compliance
5. Preliminary Design
 - Conceptual 3D Renderings
 - 30% level engineering design drawings
 - 30% level opinion of probable construction cost estimate
6. Property, Easement & Right-of-way Support
 - Preliminary Title Report & Boundary Survey
 - Parcel Merging
7. Jurisdictional Coordination
 - RCFC&WCD
 - Local Utilities in vacated streets (9th and 10th)
8. SCE Electrical Plan of Service
9. Beaumont Cherry Valley Water District Plan of Service
10. Final Design and Contract Documents
 - Preparation of Contract Documents: 60% (Plans and Specs)
 - Preparation of 60% opinion of probable construction cost estimate
 - Preparation of Contract Documents: 90% (Plans and Specs)
 - Preparation of 90% opinion of probable construction cost estimate
 - Preparation of Contract Documents: 100% (Plans and Specs)
 - Preparation of 100% opinion of probable construction cost estimate
 - Preparation of Contract Documents: Final (Plans and Specs)
 - Preparation of Final opinion of probable construction cost estimate

Please refer to the separate sealed fee proposal for assumptions, clarifications, exclusions, expansions, and optional tasks to execute and facilitate the final design of the Project.



PROJECT SCHEDULE



J. PROJECT SCHEDULE

MONTH	1	2	3	4	5	6	7	8	9	10	11	12
1. Project Management	█	█	█	█	█	█	█	█	█	█	█	█
2. Data Gathering and Analysis	█	█										
3. Investigations												
· Surveying/ utility potholing	█	█										
· Infiltration testing			█									
· Geotechnical Investigation					█	█						
· Hydrological Assessment	█	█		█	█	█		█		█		
· Municipal Review Period				█			█		█			
4. Environmental Services												
· CEQA Compliance					█	█		█		█		
· Municipal Review Period							█		█			
5. Preliminary Design												
· Conceptual 3D Renderings		█	█									
· 30% design drawings	█	█	█									
· 30% opinion of construction costs		█	█									
· Municipal Review Period			█									
· City Council Presentations			█	█								
6. Property, Easement & ROW												
· Title Report & Boundary Survey					█	█	█		█		█	
· Parcel Merging					█	█	█		█		█	
· Municipal Review Period							█		█			
7. Jurisdictional Coordination												
· RCFC&WCD	█	█		█		█		█		█		█
· Municipal Review Period/ Meetings	█		█		█		█		█		█	
· Local Utilities in vacated streets			█	█	█	█		█		█		
· Municipal Review Period							█		█			
8. SCE Electrical Plan of Service		█	█						█			█
· Municipal Review Period			█	█	█	█	█	█		█	█	
9. Beaumont C.V.W. District Service				█		█		█		█		
· Municipal Review Period/ Meetings					█		█		█			
10. Final Design and CD's												
· 60% (Plans and Specs)			█	█	█							
· 60% opinion of construction costs					█	█						
· Municipal Review Period						█						
· 90% (Plans and Specs)						█	█	█				
· 90% opinion of construction costs								█				
· Municipal Review Period									█			
· 100% (Plans and Specs)									█	█		
· 100% opinion of construction costs										█		
· Municipal Review Period											█	
· Final (Plans and Specs)												█
· Final opinion of construction costs												█

K. COST PROPOSAL - See separate sealed envelope.

L. ADDITIONAL INFORMATION - none

M. INSURANCES - To be provided upon project award.

Appendix

1

RESUMES OF KEY PERSONNEL

RESUMES OF KEY PERSONNEL

EXPERIENCE

28 years of landscape architectural professional practice experience

2007-Present: President - In-Site Landscape Architecture, Inc.

2000-2007: Principal/ Project Manager - Van Dyke Landscape Architects, Inc.

1994-2000: Project Manager - Parsons Transportation Group of NY

Project related experience includes site analysis, community outreach, planning group and public agency presentations/ approvals (Planning Commissions, City Councils, and California Coastal Commission), master planning, conceptual development, schematic design, construction documents, construction administration/ observation. Experience also includes landscape architectural design for tentative tract maps, specific plans, environmental impact reports, and landscape design guidelines.

Project types include parks and recreation, master planned communities, trails, environmental restoration, streetscapes, mixed-use, urban planning, wineries, resorts, hotels, schools, libraries, churches, healthcare facilities, commercial, residential, and governmental consulting throughout Southern California and Western New York.

Tim's passion for design, art, and the environment fuel his goal of bringing "nature to people" in urbanized areas and "people to nature" in preserved environments. He understands the mental, emotional, and spiritual benefits of exposure to nature and excels at creating functional, aesthetically pleasing, and artistic outdoor environments that create, preserve, or enhance each project's sense of place.

Tim served as president of the San Diego Chapter of the American Society of Landscape Architects and served on the Water Conservation Technical Committee as editor, contributor, or author for a number of Chapter position papers including: "Water Conservation", "The Value of Parks", "Regionally Appropriate Landscapes", "Use of Turf Grass", "Vegetative Erosion Control", "The Value of Trees", "Golf Course Water Conservation", "HOA Water Conservation", "Reclaimed, Recycled, and Re-purified Water", "The Value of Native Plants", "Water Quality", "Fire Safety and Landscaping", "Grey Water and Rainwater Collection", and "Revegetation/ Restoration".

Tim strives to provide creative design solutions, clear graphic, written, and verbal communication, and positive professional chemistry with team members for all In-Site's projects.

See next page for relevant project list.



TIM JACHLEWSKI JR.
President, PLA, ASLA, QSD/QSP

REGISTRATION

Licensed Landscape Architect,
California (#4547)
Registered Landscape Architect,
New York (#001646)
Qualified SWPPP Developer/
Practitioner (QSD/QSP),
California (#01174)

EDUCATION

B.L.A. (Bachelor of Landscape Architecture)
State University of N.Y. College of
Environmental Science and Forestry at
Syracuse University, 1994
(Rank: 1/55)

ASSOCIATIONS

American Society of Landscape
Architects, 1994-Present

- President, SD Chapter, 2012
- President Elect, SD Chapter, 2011
- Vice President of Community Outreach, SD Chapter, 2009-2011

A.C.E. Mentor – Patrick Henry High
School, 2009/2010

PARKS/RECREATION/TRAILS COMPREHENSIVE LIST OF PROJECTS



- Altair Central Park – Temecula, CA
- Altair Couplet Park – Temecula, CA
- Altair Village Parks - Temecula, CA
- Aliso Canyon Park – Aliso Viejo, CA
- Aquatic Park at Winchester Ranch - Riverside, CA*
- Arbor Ridge Community Park - Beaumont, CA*
- Arboretum Park at Winchester Ranch - Riverside, CA*
- Buffalo Outer Harbor Development Planning - Buffalo, NY**
- Delaware Park - Japanese Garden - Buffalo, NY**
- Diamond Valley Lake - Recreational Planning - Riverside, CA*
- Dog Park at Winchester Ranch - Riverside, CA*
- Edison Avenue Linear Park and Trail – Chino, CA
- El Caballo Park Master Plan – Escondido, CA
- Farmers Market Park at Winchester Ranch - Riverside, CA*
- Front Park - Buffalo, NY**
- Galleron Park – Riverside, CA*
- Gorgeview Park - Niagara Falls, NY**
- Harvest Park – Valley Center, CA
- JFK Park - Buffalo, NY**
- Jones Point Park Enhancement Planning - Alexandria, VA**
- Lake Murray Park - Playground Initiative - San Diego, CA
- Larkin Park – Buffalo, NY
- LaSalle Park - Buffalo, NY**
- Luz del Sol Park – San Jacinto, CA*
- Madigan Park – Riverside, CA*
- McCarthy Park - Buffalo, NY**
- Mockingbird Ridge Passive Park - Riverside, CA*
- Morgan Hill Park – Riverside, CA*
- New York State Office of Parks, Recreation and Historic Preservation – NY**
- DeVaux State Park**
- East River Wetlands Enhancement**
- Ecotourism Initiative**
- Goat Island State Park**
- Joseph Davis State Park**
- Knox Farm State Park**
- Saint Mary of the Angels State Park**
- Woodlawn Beach State Park**
- Orchard Run Linear Park – Valley Center CA
- Pacific Highlands Ranch Verana Park – San Diego, CA
- Pacific Highlands Ranch Unit 27 Park – San Diego, CA
- Pacific Highlands Ranch Unit 28 Park – San Diego, CA
- Park Circle Private Linear Park – Valley Center, CA
- Passive Park at Winchester Ranch - Riverside, CA*
- Queen Anne’s Park – MD**
- Rock Academy Preschool Park – San Diego, CA
- Rock Church and Academy Park – San Diego, CA
- Sacred Rocks Reserve – Boulevard, CA
- Santa Rosa Plateau Visitor Center Project – Murrieta, CA
- Santee Lakes Recreation Preserve – Santee, CA
- Shearwater Creek Pocket Park – Temecula, CA
- Sikes Adobe Historic Farmstead Park Master Plan – Escondido
- Solera Estates Park – Riverside CA

* project completed by Tim Jachlewski while Principal/ project manager of Van Dyke Landscape Architects, Inc.

** project completed by Tim Jachlewski while project manager at Parsons Transportation Group of N.Y., Inc.

PARKS/RECREATION/TRAILS COMPREHENSIVE LIST OF PROJECTS



- South Buffalo Redevelopment Plan - Buffalo, NY**
- Sperry Park - Buffalo, NY**
- Sports Ranch at Sommers Bend – Temecula, CA
- Sunset Cliffs Natural Park Master Plan – San Diego, CA*
- Sycamore Canyon Park - San Diego, CA*
- Villages of Old Town - Village Green – Temecula, CA*
- Tijuana River Valley Regional Park Trails and Habitat Enhancement – San Diego, CA*
- Underground Railroad “Freedom Memorial” - Broderick Park - Buffalo, NY**
- Veterans Park and Community Center – Chula Vista, CA*
- Village West Parks and Recreation – Temecula, CA*
- Willert Park - Buffalo, NY**
- Winchester Ranch Sports Park - Riverside, CA*
- Yucaipa Regional Park – RV Campground Expansion – Yucaipa, CA*



Community Recreation Centers

- Arbor Ridge Recreation Center - Beaumont, CA*
- Eclipse Recreation Center – Escondido, CA
- Morgan Hill Recreation Center - Riverside, CA*
- Orchard Run Recreation Center North – Valley Center
- Orchard Run Recreation Center South – Valley Center
- Park Circle Recreation Center – Valley Center, CA
- Shearwater Creek Recreation Center – Temecula, CA
- Summerwind Ranch Recreation Center - Calimesa, CA*
- The Griffin Club Recreation Center – La Quinta, CA



Trails and Bikeways

- Altair Trail and Bikeway System – Temecula, CA
- Black Bench Community Trails - Banning, CA*
- Bridlewood Community Trail - Riverside, CA*
- Buffalo River Trail – Buffalo, NY**
- Erie County Riverwalk Class I Regional Bikeway – Buffalo and Tonawanda, NY**
- Estates at StoneBridge Trails Planning - San Diego, CA*
- Long Valley Wash Trail – Temecula, CA
- Mission Trails Regional Park – West Sycamore Region - San Diego, CA*
- Mockingbird Ridge Equestrian Trail - Riverside, CA*
- Morgan Hill Equestrian Trail – Riverside, CA*
- Niagara Riverwalk Trail - Niagara Falls, NY**
- Orchard Run Trail System – Valley Center, CA
- Pacific Highlands Ranch Trailhead – San Diego, CA
- Park Circle Trail System – Valley Center, CA
- Roripaugh Ranch Trail System – Temecula, CA
- Sacred Rocks Reserve – Boulevard, CA
- Salt Creek Class I Regional Bikeway and Trail System – Riverside, CA*
- San Diego River Foundation – Pocket Park/ Trail Head – San Diego, CA
- Santa Ana River Trail – Riverside, CA
- Serrano Creek Restoration and Trail – Orange Co., CA



* project completed by Tim Jachlewski while Principal/ project manager of Van Dyke Landscape Architects, Inc.

** project completed by Tim Jachlewski while project manager at Parsons Transportation Group of N.Y., Inc.

RESUMES OF KEY PERSONNEL

EXPERIENCE

10 years of landscape architectural professional practice experience

- 2020-Present: Landscape Architect/ Project Manager
In-Site Landscape Architecture, Inc.
- 2014-2020: Project Manager/ Designer
MJS Landscape Architecture, Newport Beach, CA
- 2013-2014: Landscape Designer
Molly Wood Garden Design, Costa Mesa, CA
- 2008-2012 Landscape Staff,
Back to Natives Restoration, Irvine, CA
- 2010-2011 Hedgerow Farms, Winters, CA

Alex collaborates exceptionally well with clients, civil engineers, architects, and other consultants to solve design problems.

He has developed digital graphic standards and templates for his previous firm currently used by staff in preparation of schematic drawings. He excels in AutoCAD at a highly proficient level to produce conceptual design drawings, permitting, and construction documents in as well as 3D renderings and animations. He is responsible for management of projects from design through construction and communicates with clients and stakeholders to ensure a quality product within budget.

Relevant Experience:

- Sommers Bend - Temecula, CA Responsible for design and project management of the linear park including ninja warrior fitness course, playground and picnic areas, as well as Long Valley Wash trailhead overlooks, equestrian trails, native slope restoration, streetscape design, luxury model homes, and construction support services.
- Eclipse Recreation Center - Escondido, CA
- BDM Mixed Use (including parks and playgrounds) - San Diego, CA
- Larkin Park - Buffalo, NY
- SCE Warehouse Project - Alhambra, CA
- SCE Westminster Admin. Project- Westminster, CA
- SCE Building D Parking Project - Alhambra, CA
- SCE EOP Expansion - Irwindale, CA
- BKM Office Park Renovation Projects - various locations
- Village Palos Verdes Renovation Project- Redondo Beach, CA
- Echo 56 Residential Development
- Seashore Public Parking Lot #5
- Newport Beach Tennis Club



ALEX KOUTZOUKIS

PLA, ASLA

REGISTRATION

Licensed Landscape Architect,
California (#6327)

EDUCATION

Bachelor of Science:
Landscape Architecture, Minor Landscape
Restoration
University of California, Davis, 2012

ASSOCIATIONS

American Society of Landscape
Architects

EXPERTISE

- Strong design, project management, and technical skills
- Site construction design
- Plant material selection
- Mixed-Use projects
- High-end residential
- Native planting design
- 3D Renderings and Animations

RESUMES OF KEY PERSONNEL

EXPERIENCE

45 years of landscape architectural professional practice experience

2017 – Present Project Manager, In-Site Landscape Architecture, Inc.

1994 – Present Parterre, Landscape Architects and Planners

1987 – 1994 Austin Hansen Group, Architects/ Planners/ Engineers; San Diego

1984 – 1987 M. W. Steel Group, Architects/ Planners; San Diego

1983 – 1984 Philips, Brandt, Reddick (PBR), Urban Planners/ Landscape Architects; Irvine

1979 – 1981 Kawasaki, Theilacker and Associates, Landscape Architects; San Diego

1977 – 1979 Wimmer, Yamada, Landscape Architects; San Diego

Pat's professional and academic interests for the past forty years have centered on the planning and design of urban open space projects. The majority of projects he is responsible for directing requires coordination of multiple design disciplines such as architecture, engineering and planning. Pat is particularly knowledgeable in developing design solutions where consensus building with private development interests and citizen community groups is a fundamental part of the study process. Exploring methods to fully vest private and public interests in the design process has always been a special interest of Pat's.

Pat also specializes in the design of pedestrian thoroughfares where issues of ADA, Title 24 and traffic calming are prominent. Pat has worked throughout San Diego County on public and private open space designs incorporating new sidewalks, lighting, furniture, signage, accessibility upgrades, public art, special features and landscaping. Pat extensively researches design methods, product reliability and regulatory standards prior to finalizing construction plans.

Pat has been a lecturer by appointment in the Urban Studies and Planning Program at the University of California at San Diego (UCSD). He lectures on the subject of public policy, design and resultant form consequences.

Relevant Park and Recreation Experience

- Sports Ranch at Sommers Bend - Temecula, CA
- Harvest Park - Valley Center, CA
- Junior Lifeguard Facility Project - Newport Beach, CA
- Park de la Cruz - San Diego, CA
- 30th Street Neighborhood Park - San Diego, CA

Relevant Community Outreach Experience

- Coronado Rotary Plaza - Coronado, CA
- Orange Avenue Streetscape - Coronado, CA
- Elm Avenue Bike Path and Streetscape - Imperial Beach, CA
- Palm Avenue Streetscape - Imperial Beach, CA



PATRICK O'CONNOR

PLA

REGISTRATION

Licensed Landscape Architect,
California (#1877)

EDUCATION

B.L.A. (Bachelor of Landscape Architecture)
University of Oregon, 1977

M.L.A.U.D. (Masters of Landscape
Architecture in Urban Design and
Planning), Harvard University, 1983

EXPERTISE

- Public Works projects
- Site construction design
- Plant material selection
- Streetscape/civic facility design
- Community participation
- Urban design studies focusing on development implementation strategies
- Design legislation/guidelines for public and private facilities.

RESUMES OF KEY PERSONNEL

EXPERIENCE

9 years of landscape architectural professional practice experience

2017-Present: Director of Irrigation Design and Project Designer
In-Site Landscape Architecture, Inc.

2013-2017: Project Manager/ Irrigation Designer - Summers Murphy
& Partners, Dana Point, CA

2013: Landscape Consultant

Ron is a bilingual self-starter with a background in landscape architecture and irrigation design. He has been involved in projects in California, Nevada and Arizona responsible for irrigation water use master plans, irrigation construction documents, water use calculations, and irrigation field review and reports during construction. Ron is able to manage a landscape project from any phase providing the best solutions based on water use efficiency, cost effectiveness, latest products, and project value. Project types include parks and recreation, master planned communities, trails, environmental restoration, streetscapes, mixed-use, urban planning, healthcare facilities, commercial, and residential throughout Southern California.

Sommers Ranch and Sommers Bend – Temecula, CA Responsible for the irrigation design, construction document support, and construction administration for this 19.7-acre, \$8.4-million City of Temecula public park located in the Sommers Bend community. The Park includes two baseball fields, two artificial turf soccer fields, two basketball courts, open lawns, picnic areas, playground, “nature play” areas and trails, native plant habitats, concessions building, restrooms, maintenance building and yard, entry monument signage, connections to the Long Valley Wash trail system, storm water management bioretention areas, and parking. Construction completed 2022. Also Responsible for irrigation design, construction document support, and construction administration for almost 40 projects including:

- Long Valley Wash Habitat Creation and Mitigation (16 acres)
- Park and Ride / Trailhead (50 cars and 6 horse trailers)
- Equestrian and multi-use trails (9.75 total miles)
- Calle Girasol/ Nicolas Rd Habitat Mitigation (4.27-acres)
- Density Core Multi-family including off-leash dog run, ninja warrior fitness course, and parks
- Native Slope Restoration and Water Quality Basins
- Street Improvement Landscape Plans
- Luxury Model Homes
- Numerous in-tract landscape plans

Harvest Park and Park Circle – Valley Center, CA Responsible for the irrigation construction documents and construction administration for this County of San Diego public park located in the Park Circle master planned community. Also responsible for the irrigation master plan, CD’s and CA for Three Private Recreation Complexes, Four Private Linear Parks, Trails and Pathways, Community Garden, streetscape improvements, Moosa Creek Native Riparian Enhancements, and Dog Play Areas.



RON MORENO

Director of Irrigation Design
Landscape Architecture

REGISTRATION

California Landscape Architect licensure
(in process)

EDUCATION

B.S. (Bachelor of Science in Landscape
Architecture)
Cal Poly, Pomona, 2013

EXPERTISE

- Water conservation practices
- Irrigation design and project management of complex, large-scale projects
- Irrigation Water Use Master Plans
- Irrigation Demand analysis
- Recycled water use irrigation plans and processing

RESUMES OF KEY PERSONNEL

EXPERIENCE

19 years of landscape architectural professional practice experience

2020 - Present	In-Site Landscape Architecture, Inc.
2020 - Present	UPON Landscape Architecture
2019 - 2020	Hoerr Schaudt Landscape Architects
2016 - 2019	BNIM Architects
2015 - 2016	The Office of James Burnett
2015	Instructor, Louisiana State University,
2014 - 2015	Internship Coordinator Assistant, Louisiana St. University
2014	Graduate Assistant, Louisiana State University
2012 - 2014	Indigenous Design, LLC, Alexandria, VA
2012	Studio 39 Landscape Architecture, Alexandria, VA
2008 -2012	HDR Architecture Inc., Alexandria, VA,
2006 - 2008	Earth Design Associates, Inc. (Barry Starke)
2005 -2006	Deep Creek Lake Design Studio, McHenry, MD, Instructor, Garrett College, McHenry, MD
2004 - 2005	Good Earth Designs, Annapolis, MD
2003 - 2004	Homestead Gardens, Inc., Davidsonville, MD

Experience includes an extensive range of projects involving innovative design solutions for residential, multi family, mixed use, public, campus, and healthcare developments. Additional experience includes: instructing courses, mentoring students and staff, project management, research, RFP's, preliminary cost estimates, discipline coordination, construction observation, construction documents, construction administration, interpretive signage, LEED and Living Building Challenge documentation, client relations and interviews, analysis, graphics and presentations.

Special interest focuses on balancing the aesthetics and functions of a project with the natural biodiversity of the site. Particular attention is always given to the overall ecology of an area as well as the intended user's experience.

Relevant Experience

- East Village Green, San Diego, CA
Located on a 4.1-acre site in the heart of San Diego's growing East Village neighborhood, East Village Green is a highly programmed urban park that will include with a wide range of public amenities identified through a series of public workshops led by the Office of James Burnett.
- Costa Mesa Lions Park Projects - Costa Mesa, CA.
A \$36 million plan to build a new two-story library and a community center to revitalize Lions Park. The redevelopment of the existing 12.8 acre library property will include a large unobstructed lawn for outdoor community events, new recreation areas, gardens of native / adaptive plant material, as well as a new park concessions kiosk.



CHERYL LOUGH

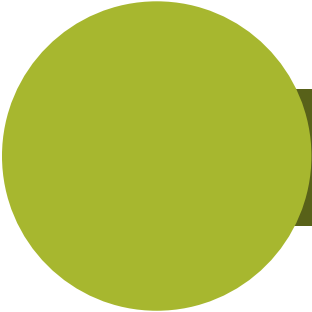
PLA, LEED AP

REGISTRATION

Licensed Landscape Architect,
California (#6491)

EDUCATION

Masters of Landscape Architecture,
Louisiana State University, 2015



Subconsultant

MICHAEL BAKER INTERNATIONAL



Firm Profile

Michael Baker INTERNATIONAL

Established in 1940, Michael Baker International, Inc. (Michael Baker) is one of the largest planning, engineering, design and construction management firms in the nation. Our company has more than 3,500 professionals with local offices in Riverside, San Bernardino, Orange, San Diego, and Ventura Counties. The combined resources serve local, national and international markets, with the capability to provide a comprehensive range of services on a national scale for all sizes and categories of projects. Expertise includes civil, structural, mechanical, and electrical engineering; transportation and traffic engineering; water and wastewater engineering; planning, architecture and landscape architecture; environmental; survey/mapping; GIS; and construction management. Our work delivers differentiating innovations and dedicated experts who challenge the status quo and share a world of diverse experience and an impassioned entrepreneurial spirit. We deliver quality of life! Michael Baker is currently ranked #31 in the top 500 design firms in the nation by *Engineering News Record (ENR)*.

2021 ENR TOP 500
DESIGN FIRM RANKINGS

THE TOP
500
DESIGN FIRMS

31	Top 500 Design Firms
18	Top Pure Designers
19	Airports
5	Bridges
16	Highways
12	Transportation
10	Water Supply

Services

Michael Baker has provided civil engineering and related services for parks throughout the region. This has included the following:

- Grading and Site Improvements
- Structural Design
- Water / Sewer Design
- Stormwater / Drainage Design
- Water Quality
- Lighting and Electrical Design
- Utility Coordination and Design
- Landscape Architecture
- Surveying
- Environmental (environmental planning, permitting, compliance, and monitoring)
- Construction Management and Support



Representative Park Projects

- **Bonsall Community Park Project**
Bonsall, CA
- **Calavera Hills Community Park Gateway Improvements**, Carlsbad, CA
- **Canyon Hills Community Park**
Lake Elsinore, CA
- **Ildica County Park**
San Diego County, CA
- **Irvine Regional Park Maintenance Building Replacement**, Orange County, CA
- **Lincoln Acres Park Improvement**
San Diego County, CA
- **Malibu Bluffs Parkland Master Plan and EIR**, Malibu, CA
- **Marblehead Coastal Development, 5 Parks and 4 miles of Public Trails**
San Clemente, CA
- **Martin Luther King, Jr. Park**
San Diego, CA
- **North Chollas Community Park Open Space Improvements**, San Diego, CA
- **Peters Canyon Regional Park**
Orange County, CA
- **Prado Regional Park Master Plan**
Chino, CA
- **Salk Neighborhood Park and Joint Use Development**, San Diego County, CA
- **Sweetwater Park**, San Diego County, CA
- **Veterans Memorial Park**
Coachella, CA
- **Waterfront Park Improvements Project**
San Diego, CA
- **West Creek Park Rehabilitation Project**
Santa Clarita, CA

John D. Tanner III, P.E., QSD/QSP



Mr. Tanner has an extensive background in private development and public sector projects. He has served as Project Manager for numerous projects in Riverside and San Diego County and has relationships with many staff members at most of the regional agencies. As the Temecula Office

Manager, Mr. Tanner is responsible for the coordination of all project teams, assigning members to specific project teams, client coordination, contract negotiations, coordination with government agencies, project scheduling, and preparation of all improvement plans within the office.

RELEVANT EXPERIENCE

French Valley Sports Park, Winchester, California. Senior Project Manager. Responsible for a 17-acre Sports Park Complex for Valley Wide Parks and Recreation Department. The project consists of restroom and parking lot facilities, a pedestrian suspension bridge, soccer fields, baseball diamonds, and basketball courts.

Harveston Community Park, Temecula, California. Project Engineer. Responsible for this state-of-the-art regional sports park facility. The sports park included softball fields, soccer fields, concession and restroom facilities, a picnic pavilion, parking lots and numerous sidewalks. Michael Baker provided design, construction staking, rough grading and backbone infrastructure for this project. Special attention was taken in this park design on drainage capabilities and specialty lighting.

Center Street Sports Park Detention Basin, Highgrove, California. Project Director. Responsible for the detention basin facility within the Center Street Sports Park complex to handle runoff from the adjacent Spring Mountain Ranch project. The facility consists of a 15-acre detention basin, which will ultimately house four baseball diamonds, as well as all of the Riverside County Flood Control drainage structures to facilitate the outfall.

Country Roads Project, Riverside County, California. Senior Project Manager. Responsible for this 241 residential lot subdivision in French Valley, California. The project included an on-site sewer lift station and County of Riverside road improvements for Clinton Keith Road and Briggs Road. Two separate concrete arch culvert structures were required in order for the access roads to traverse Warm Springs Creek.

Crowne Hill, Temecula, California. Project Manager. Responsible for this 260-acre, 684-lot residential subdivision. The project includes the design of two city maintained park sites, a future school site, the design of four storm water mitigation basins and various environmental constraints throughout the site. Noted accomplishments include a six-month timeline to complete all infrastructure design and final mapping. Mr. Tanner succeeded in obtaining all required approvals, including City Council approval of the final map prior to the expiration date.

Oakmont at Shady Grove - Tract 5159, Fallbrook, California. Senior Project Manager. Responsible for this 107-lot residential subdivision in the un-incorporated town of Fallbrook in San Diego County. The infrastructure responsibility for as-building the project. Survey coordination, on-site park grading design and precise grading plans for Phase 2 (59 lots).

Temecula Lane - Tract 31946, Temecula, California. Project Director. Responsible for this 96 town home and 332 condominium unit project. The project included a variety of off-site improvements including street widening and a walking trail. Improvements to an RCWD well site were also included within the scope of this project.

Michael Baker INTERNATIONAL

Years with Michael Baker
24

Years of Experience
28

Education

B.S., 1995, Civil Engineering, San Jose State University

Licenses/Certifications

Professional Engineer - Civil, California, 2000, 60132

Qualified SWPPP Developer (QSD), California, 2011, 20476

Qualified SWPPP Practitioner (QSP), California, 2011, 20476

Professional Affiliations

Building Industry Association, Riverside Chapter Board of Directors

Building Industry Association, Riverside Chapter Membership Committee

Building Industry Association, Baldy View Chapter Board of Directors

SCE Valley Expansion Substation for SCE, Menifee, California. Senior Project Manager. Responsible for this Southern California Edison 500kv step-down substation expansion. This project was certified as LEED silver. It faced some interesting challenges including many unmapped, underground utilities. An existing grounding grid proved to be an important issue as location and relocation of this facility was required to maintain a safe work site. This project also faced the transition from the County Riverside jurisdiction to the newly incorporated City of Menifee. The scope of work included on-site parking lot expansion, on and off-site utility improvements, and a 3,000-square-foot pre-fab steel building.

Jackson Avenue Improvement Plans - CIP 8335, Murrieta, California. Senior Project Manager. Responsible for the City of Murrieta Capitol Improvement Project, which connects Ynez Road and the northerly Temecula City Limit Line to Jackson Avenue approximately one mile to the north. Aside from the road and utility relocation designs, the project consists of a six cell arch culvert crossing at Warm Springs Creek and associated environmental clearances and regulatory permits.

Lasselle Street Median and Sidewalk Improvements, Moreno Valley, California. Senior Project Manager. Responsible for this widening and median improvement project in the City of Moreno Valley. Scope included the design of medians, sidewalk, street widening, traffic signals, utility relocation and striping for over a one-mile stretch of Lasselle Street starting at the southerly Moreno Valley City limit. This project included multiple coordination components including existing residence traffic, adjacent development projects and coordination with the local high school and its peak traffic conditions.

Jackson Crossing - Tract 30802, Murrieta, California. Senior Project Manager. Responsible for this 140 lot residential subdivision. This project included the widening and alignment of Jackson Avenue and the installation of approximately 1,200 linear feet of off-site gravity sewer line. Multiple adjacent projects were in progress during the construction of this project, which required significant coordination with other design teams and property owners.

Temecula Cemetery, Temecula, California. Project Director. Responsible for the entitlements of the Temecula Cemetery expansion. This project included site planning and layout and conceptual landscape and grading plans. This new site expansion encompasses 10-acres of a 25-acre site that will be set aside for future expansions.

Sun City Library, Sun City, California. Senior Project Manager. Responsible for the Sun City Library in the County of Riverside. This project included civil engineering and final design services. This site was the home of the pre-existing library facility, which sat adjacent to a pre-gas station site. Services provided included demolition plans, conceptual and precise grading plans, access roads, utilities, hydrology/hydraulics, sewer, storm drain, water improvement plans, and fire service improvement plans. In addition, Michael Baker was responsible for the coordination with the architect and other subconsultants.

Temecula II Retirement Residence, Temecula, California. Senior Project Manager. Responsible for this three-acre Senior Living Facility. This two-story retirement community included some space saving structures including a two level parking garage and multiple retaining walls around the perimeter of the site. The walls were laid out to be discreet, yet functional, as street parkway access was a critical component to the success of this project.

Paseo Del Sol, Temecula, Riverside County, California. Project Manager. Responsible for the off-site infrastructure component of this project, which includes coordination with City staff and potential buyers/builders. Paseo Del Sol is a 5,600 dwelling unit recreational master planned community in the City of Temecula.

Sagewood / Sagecrest, Riverside County, California. Project Manager. Responsible for this 118-acre, 362 lot subdivision. The project included the design of a 6,000 cfs flood channel facility, approximately 300 feet of Caltrans street widening improvement plans for Winchester Road (Highway 79), the design and coordination of a four cell concrete arch culvert channel crossing at Warm Springs Creek, and a series of environmental constraints, which impacted the site.

Moreno Valley Ranch, Moreno Valley, California. Senior Project Manager. Responsible for this 436 lot residential subdivision. This project included the preliminary design of the Moreno Valley City Sports Park facility, off-site improvements to Lasselle Street and the design and construction of an EMWD sewer lift station. The project incorporated two of the first vegetated bio swales within the City of Moreno Valley.

Candice R. Fenton



As a Project Manager at Michael Baker, Mrs. Fenton works primarily as a Land Development Specialist. Mrs. Fenton specializes in private development and public sector projects. She is experienced in land development, civil engineering, transportation, private development, public works, and construction management services.

RELEVANT EXPERIENCE

Temecula Parkway -Wabash Signal PW18-11. *City of Temecula.* Project Manager. Responsible for preliminary and final site layout, horizontal and vertical design, client communication, project meetings and final improvement plans. Included access road design, parking lot modifications, arterial highway widening improvements, retaining wall design, jurisdictional resource constraints, storm drainage, green street water quality applications, signing and striping, internal and external coordination for new traffic signals and dry utility design. Responsible for direct client communication and budget management. Managed and coordinated internal and external team efforts which included environmental, structural, lighting, landscape, geotechnical, traffic, and dry utility specialists. Also responsible for construction support services.

Park and Ride Parking Lot PW06-09. *City of Temecula.* Project Manager. Responsible for horizontal and vertical design of offsite street improvements, DG pathways, retaining and free-standing masonry walls, grading and drainage, sand infiltration basins, ADA path of travels, ADA parking stalls, parking lot improvements and electric vehicle stations. Michael Baker was requested to prepare improvement plans, meet client needs, meet ADA requirements and existing site condition constraints. Responsible for direct client communication and budget management. Managed and coordinated internal and external team efforts which included environmental, structural, landscape, geotechnical, traffic, and dry utility specialists. Also responsible for Construction support services.

Rancho Diamante 150FE. *Pulte Homes.* Project Manager. Responsible for preliminary and final site layout, horizontal and vertical design, direct contact client communication, weekly project meetings, external subconsultant coordination and processing civil improvement plans with local agencies. Responsible for the design of street improvements, water quality basins, open space and community park layouts, walkways and drainage, sewer and water improvements, retaining wall placement and design, storm drain design, signing and striping, offsite street and storm drainage improvements and an interim stop-controlled intersection. Managed and coordinated internal and external team efforts which included environmental, landscape, geotechnical, traffic, and dry utility specialists. Responsible for client communication, bi-weekly meetings, ownerships meetings and budget management. Responsible for Microsoft project schedules and budget management.

Nicolas Road and Calle Girasol. *Decatur Advisors, LLC.* Project Manager. Responsibilities consisted of horizontal and vertical design of street improvement widening, driveway improvements, curb and gutter, wet transmission line utility relocation, retaining wall placement and design, storm drain design, green street application, erosion control, and signing and striping. Managed and coordinated internal and external team efforts which included environmental, landscape, geotechnical, traffic, and utility specialists. Responsible for direct client communication, agency coordination, bi-weekly meetings, ownership meetings and budget management.

Offsite Nicolas Road Improvements, Temecula, California. *Decatur Advisors, LLC.* Project Manager. Responsibilities consisted of horizontal and vertical design of street improvement widening, driveway improvements, curb and gutter, wet transmission line utility relocation, retaining wall placement and design, storm drain design, signing and striping and traffic signal modifications. Managed and coordinated internal and external team efforts which included environmental, landscape, geotechnical, traffic, and utility specialists. Responsible for client communication, bi-weekly meetings, ownerships meetings and budget management.

Temecula Village. *Temecula Village Development, LP.* Senior Designer. Responsible for horizontal and vertical design of street improvements, wet utility improvements, precise grading design, retaining walls design, curb and gutter, parking lot, drainage, meet ADA guidelines, parking lot design and dog park improvements.

Michael Baker INTERNATIONAL

Years with Michael Baker
6

Years of Experience
23

Education

A.A.S., 1999, Drafting and AutoCAD, ITT Technical Institute

Professional Affiliations

Autodesk Users Group International (AUGI)

Women in Transportation Society (WTS)

Winchester/Nicolas Inter Improvements. *Roripaugh Valley Restoration, LLC.* Project Manager. Responsibilities consisted of horizontal and vertical design of street improvement widening, medians, curb and gutter, utility relocation, retaining wall placement and design, storm drain design, signing and striping and traffic signal modifications. Also responsible for client communication and meetings and Microsoft project schedules and budget management. Managed and coordinated internal and external team efforts which included traffic, landscape, electrical, and utility specialists.

Pechanga Parkway Widening. *City of Temecula.* Project Manager. Responsible for horizontal and vertical design of street improvements, medians, curb and gutter, utility relocation, storm drain design, signing and striping, and traffic signal modifications. Also responsible for client communication and meetings and Microsoft project schedules and budget management. Managed and coordinated internal team efforts which included traffic and landscape.

R_MVWD PSA 8-17-17. *West Valley Water District.* Senior Designer. This site rehabilitation project consists of two existing water tanks, existing storm drainage, existing water lines, electrical and telecommunications. Responsibility is horizontal and vertical control of access road, storm drain alignments, utility conflicts, erosion control, and precise grading of the site.

C4 - Santa Clarita. *City of Santa Clarita.* Senior Designer. Responsibilities consisted of horizontal and vertical design of rough grading and precise grading layouts, precise recreational site improvements, ADA path of travel, parking lot drainage, wet utility design, curb and gutter improvements.

Waalew Reservoir and Pipeline. *Golden State Water Company.* Technical Specialist. Responsible for horizontal, vertical design and processing delta revisions. Responsible for proposal scope, fee and budget management. Responsible for Construction support services. Michael Baker provided construction management and inspection services of a 0.30-million-gallon welded steel water reservoir. The work encompassed erection of the tanks and appurtenances as well as chlorination and disinfection, testing and clean-up, and new yard piping. Michael Baker also provided contract administration, scheduling, requests for information (RFI) submittals, inspection reports, digital photos, progress payments, traffic control, site safety, community relations, and the final punch list.

Ynez Road Sidewalk Improvements. *City of Temecula.* Project Manager. Responsibilities consisted of horizontal and vertical design of sidewalk improvement, curb and gutter, signing and striping and traffic signal modifications. Managed and coordinated internal team efforts. Responsible for client communication, bi-weekly meetings and budget management.

Norco 5. *City of Norco.* Senior Designer. Managed and coordinated internal and external team efforts which included ADA design, sidewalk improvements and traffic specialists. Responsible for client communication, meetings and budget management.

***Terramor Residential Project, Riverside County, South of Corona, California.** *Foremost Communities.* Team Leader / Senior Designer of the Terramor is an 890 acre property, 1,440 lots, active living community. Requested to engineer multiple lotting study alternatives and tentative mapping for Phase 1 and Phase 2 and Final Engineering of Phase 1. Phase 1 included approximately 600 single family lots with hillside grading, retaining walls, street improvements, sewer, water, and storm drain improvements. Responsible for client communication, team coordination, meetings, budgets and schedules. External coordination with environmentalist, hydrologist and additional structural and civil engineering firms assigned to other elements of the project.

Honors and Awards

Graduated College with Honors

Seminars/Conferences

Autodesk University Conference, attended 2009, 2012 & 2021.

Teaching

U.S. Cad 80 Hour Onsite Training, attended May 2011

Specialized Experience

Land Development, Single Family Residential and CIP Street Improvements

Continuing Education/Training

A Commonsense Approach for California Managers, 7/2/2020

Drive Your Own Development, 6/2/2020

Ethics and Code of Conduct, 6/5/2020

Legal Essentials for Non-Lawyers, 3/15/2021

Project Analysis and Safety Planning Course, 5/5/2020

*Project performed while at another company.

Jared D. Heiner

Mr. Heiner is a trusted management professional with proven ability to accomplish goals and objectives and deliver complex and high-profile initiatives for private industry, education, local and state government clients. He is experienced in land development, civil engineering, transportation, design-build, public private partnerships, and construction management services. Mr. Heiner has wide-ranging experience from initial site planning to project close-out and commissioning.

RELEVANT EXPERIENCE

Nicolas Road and Calle Girasol. *Decatur Advisors, LLC.* Principal-In-Charge. Responsible for design and engineering oversight for this Offsite Improvement Project in connection with the Sommers Bend development in Temecula, California. Provided expert advice with utility coordination, street improvement design, contractual matters and client engagement. Coordinated resource availability and staffing. Assisted with preparation of multi-use trail and Class I Bikeway concepts and drainage exhibits.

Offsite Nicolas Road Improvements, Temecula, California. *Decatur Advisors, LLC.* Principal-In-Charge. Responsible for design and engineering oversight for this Offsite Improvement Project in connection with the Sommers Bend development in Temecula, California. Provided expert advice with utility coordination, street improvement design, contractual matters and client engagement. Coordinated resource availability and staffing. Assisted with preparation of multi-use trail and Class I Bikeway concepts and drainage exhibits. Assisted with coordination of 54-inch waterline relocation with Rancho California Water District.

Sommer Bend Precise Grading. *Woodside Homes of California.* Principal-In-Charge. Responsible for client engagement, design oversight and financial performance for this contract. Coordinated staff availability, workshare and timely resolution of contract matters to meet client's request for accelerated plan production schedules. Provided expert advice on resolution of design challenges, plan check review comments and construction issues. Assisted the project manager with contractual matters, quality compliance and financial management.

Woodside Core Density. *Woodside Homes of California.* Principal-In-Charge. Responsible for oversight of the project schedule, quality management and client deliverables for this 30-acre multifamily residential development. Coordinated staff availability, project schedule commitments and agency design criteria. Verified that client expectations were met through client engagement and clarification of development plan application requirements with City staff. Reviewed and coordinated project performance with project manager.

Cahuilla ERFO Culvert Repair. *Cahuilla Band of Indians.* Project Manager. Responsible for overall management of resources for survey, hydrology modeling, and drainage plans for culvert replacement and repair. Led development of a draft technical memorandum to facilitate discussion with the client and Federal Highway Administration and right-size the final engineering solution to work within available funding constraints. Coordinated production of final drainage plans with surface water task manager.

Yuma2 Civil Works and Drainage Project, Yuma, Arizona. *USACE - Southwestern Division.* Task Manager. Responsible for resource availability, communication, schedule management, and quality control. Supervised remote production resources with preparation of preliminary roadway layout plans for a 40-mile segment, approximately 160 plan sheets. Directed team meetings and organized quality review of client deliverables for compliance with design criteria. Collaborated with executive management to accomplish performance and schedule goals. Michael Baker provided engineering services for eight site visits to assess the San Diego/EI Centro/Yuma Additional Miles Project existing drainage infrastructure and collect data relevant to the hydrologic and hydraulic analyses and wash crossing design.

Ynez Road Widening, Temecula, California. *City of Temecula.* Project Director. Responsible for the design oversight and engineering services for this Capital Improvement Project near Old Town Temecula. Responsible for coordinating planning and environmental studies, site survey, street improvement plans, traffic engineering, drainage studies and utility coordination. Prepared 60% design submittal for City of Temecula. Coordinated proposed multi-use trail and Class I Bikeway concepts with the City of Temecula Public Works Department.

Michael Baker

INTERNATIONAL

Years with Michael Baker
3

Years of Experience
23

Education

M.S., 2003, Civil Engineering/Transportation,
University of Texas at Austin

B.S., 1997, Civil Engineering, Utah State University

Professional Affiliations

Commercial Real Estate Development Association

John R. Duquette, P.L.S.



Mr. Duquette has more than 30 years of professional surveying experience with a broad background in boundary and right-of-way analysis and calculations for infrastructure improvement projects for public agencies and private sector clients.

RELEVANT EXPERIENCE

I-15/SR-79 South PS&E. *City of Temecula. Project Surveyor.* Responsible for CADD mapping. This work included boundary and topographic surveys for initial design, and Caltrans Appraisal Maps and Right of Way Maps post design. Final Monumentation and a post construction Record of Survey are also in progress.

Triangle Mall, Murrieta, California. *Garrett Group LLC.* Technician. Responsible for CADD mapping. Michael Baker provided survey and mapping, specific plan EIR support, and preliminary and final engineering for a 1.3-million-square-foot mall project in the City of Murrieta. The project includes parking structures, class 'A' office, retail/commercial shops, major tenants, hotel, and entertainment features. Michael Baker initially provided due-diligence services for the 61-acre wedge framed by Interstates 15 and 215 and Murrieta Hot Springs Road. Extensive off-site improvements were required as a part of the project, including freeway ramps at Murrieta Hot Springs and Interstate 15.

Downtown Indio Infrastructure - Phase 1 Civil Improvements - Design Services, Indio, California. *Indio Redevelopment Agency.* Technician. Responsible for CADD mapping. Michael Baker provided full engineering, planning, urban design, landscape architecture, and construction management services for the revitalization of downtown Indio. Michael Baker provided a landscape concept plan; final construction plans, specifications, and estimates; and construction management services. The project included removal of an existing one way street; angled parking, curbs, and sidewalks; and construction of new traffic calming elements, decorative cross walks, decorative concrete sidewalks, two alleys with pedestrian alleys, decorative pedestrian lights, street trees, street furniture, landscaping, and irrigation. Michael Baker also provided traffic and parking studies for the anticipated land use plan and circulation analysis for a Transportation Center planned for the downtown area.

Interstate 15 / California Oaks Road Interchange Modification, Murrieta, California. *City of Murrieta.* Technician. Responsible for CADD mapping. Michael Baker prepared final plans, specifications, and cost estimate (PS&E) for the Interstate 15/California Oaks Road interchange modification project. The improvements included reconfiguring the existing diamond interchange into a modified partial cloverleaf configuration; widening and lowering California Oaks Road to accommodate three through lanes in each direction, and the required vertical clearance to the mainline undercrossing structures; bridge widening of two separate undercrossing structures; retaining walls (one Type 1 wall and two tie-back walls); drainage improvements, including an infiltration basin; utility relocations; traffic signal improvements at two intersections; and electrical improvements to lighting and ramp metering equipment.

Back Basin Blending Pipeline, Lake Elsinore, California. *Elsinore Valley Municipal Water District.* Technician. Responsible for CADD mapping. Michael Baker prepared the design for the Back Basin Wells Arsenic Blending Pipeline project for Elsinore Valley Municipal Water District. Michael Baker designed 20-inch ductile iron pipe to convey low arsenic well water from the Summerly and Diamond Wells to blend with the high arsenic well water from the Cereal #1 and Corydon Wells. The project design included constructability analyses, corrosion, topographic mapping, field surveys, and hydraulic review of the mixing system. Key issues included construction of facilities in an existing environment, evaluating alternative pipeline alignments, and pipeline constructability. Extensive potholing was provided to map existing utilities in the area. The construction costs came in \$30,000 under the projected budget.

Borden Road Improvements, San Marcos, California. *City of San Marcos.* Technician. Responsible for CADD mapping. Michael Baker provided civil engineering services for the construction of improvements on Borden Road from Twin Oaks Valley Road to Woodward Street. The project includes a new bridge, improvement and grading plans, survey and mapping, and erosion control plans. A hydrology report, a water quality technical report, and storm water pollution prevention plan were also prepared.

Michael Baker

INTERNATIONAL

Years with Michael Baker
17

Years of Experience
32

Education

A.S., 1996, Surveying and Mapping, Santa Ana College

Licenses/Certifications

Professional Land Surveyor, CA, 7566

Professional Affiliations

California Land Surveyors Association

Waite Street Reservoir, Lake Elsinore, California. *Elsinore Valley Municipal Water District.* Technician. Responsible for CADD mapping. Michael Baker provided engineering plans, specifications, and cost estimates for Elsinore Valley Municipal Water District's Waite Street Reservoir. The reservoir was a 2.5-million gallon welded steel tank to supply storage for the district's 1467 pressure zone. The site was planned to accommodate future reservoirs and to maintain service from an existing 500,000-gallon tank during construction activities. Michael Baker provided final and structural engineering services, retaining wall design, and on-site best management practices.

Elsinore Valley Municipal Water District Construction Management and Inspection Services of Five Capital Improvement Projects, Lake Elsinore, California. *Elsinore Valley Municipal Water District.* Technician. Responsible for CADD mapping. Michael Baker performed construction management and inspection for five water resources capital improvement projects. The projects consisted of replacement of 15,600 feet of water mains and new water lines at 25 locations within the client's boundaries, an approximately 1,350-foot extension of lines for recycled water to the five project sites, replacement of broken or inoperative gate valves in four intersections, replacement of approximately 1,500 water meters with new automatic-reading meters, and installation of new water lines and valves at five locations to interconnect two water pressure zones.

Alessandro Boulevard Median (Indian Street to Perris Boulevard), Moreno Valley, California. *City of Moreno Valley.* Technician. Responsible for CADD mapping. Michael Baker provided environmental clearance, final design, and construction support services for Alessandro Boulevard Median improvements. The project was funded under federal Highway Safety Improvement Program (HSIP) as a Local Assistance project overseen by Caltrans. The safety improvement project addressed traffic and pedestrian safety issues. Work items included design of raised median, turn pockets, traffic signal modifications, striping and signage, landscaping, new lane configurations, Americans with Disabilities Act (ADA) compliance, and environmental CEQA and NEPA documents.

8th Street Safety Enhancements (J Avenue to Palm Avenue), National City, California. *City of National City.* Technician. Responsible for CADD mapping. Michael Baker provided final design; plans, specifications, and estimates (PS&E); and public outreach for the 8th Street Safety Enhancements Highway Safety Improvement Program (HSIP) Project, which involved design of medians, curb, gutter and sidewalks, slope stabilization via retaining walls, and pedestrian crossing enhancements. Michael Baker also designed traffic calming measures, restriping, and installation of a traffic signal; provided Caltrans (DLEA) funding applications; provided surveys and mapping; and developed National Environmental Policy Act (NEPA) environmental documentation.

Metropolitan Water District Boundary Surveys and Record of Surveys, Southern California. Project Surveyor under 14 separate Task Orders. Responsible for processing field data, providing boundary analysis, and completing Records of Surveys for MWD facilities in Los Angeles, Orange, and San Bernardino Counties.

South Lake Park Final Design, San Marcos, California. *City of San Marcos.* Surveyor. Responsible for preparing legal descriptions. Michael Baker prepared construction documents, cost estimates, and addendums to technical studies for the final design of the South Lake Park at the South Lake Reservoir, owned and operated Vallecitos Water District (VWD). Michael Baker designed and produced construction documents that integrated the rustic, natural features of the lake and its environment with the proposed park design in accordance with the approved conceptual park master plan and related technical studies. The improvements included lake water treatment facilities. Michael Baker evaluated treatment measures such as aeration systems, water destratification systems, lake water turnover, bio-manipulation, fish stocking, algae-lake weed control, and vector control-access water treatment. Michael Baker also designed plans for the conversion of the open-channel spillway into a box-culvert spillway and obtained approval from the State of California Water Resources, Division of Dam Safety. Additionally, Michael Baker prepared all regulatory permitting applications, including resource surveys, a delineation of wetlands, and other technical evaluations for the U.S. Army Corps of Engineers NEPA compliance.

North Peak Specific Plan, Northern Access Road, Lake Elsinore, California. *Troxler & Associates.* Technician. Responsible for CADD mapping. Michael Baker provided due diligence studies for the North Peak Specific Plan. The studies included a detailed analysis of project cost estimates, entitlement, boundary issues, and permitting, as well as post-purchase phasing analysis, preliminary engineering and peer review, park planning, and construction document preparation. Michael Baker also provided environmental documentation, traffic studies, and preliminary alignment studies for a new access road for the northern section of property.

Horse Ranch Creek Road and Trail, San Marcos, California. *Palomar College.* Technician. Responsible for CADD mapping. Michael Baker prepared final plans, specifications, and estimates for native, low water use planting and irrigation along the newly constructed Horse Ranch Creek Road, which connects from S.R. 76 in north San Diego County to a new community college education center for the Palomar Community College District. The improvements are nearly a mile in length and include an 8-foot-wide meandering, decomposed granite trail. Sustainable design features are incorporated throughout the project. A vegetated bio-swale treats stormwater runoff from the roadway, native plants blend with the natural environment and conserve water, native hydroseed is established on the slopes to control erosion, and the irrigation system is AB 1881 compliant and separated into hydrozones to maximize the efficient use of water.

Peter J. Minegar, AICP



Mr. Minegar oversees and prepares environmental compliance and planning studies for a range of public and private sector clients. He specializes in developing documents in compliance with the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). Mr.

Minegar has a broad range of environmental planning experience ranging from project-level analysis of infrastructure improvements to program-level analysis to support a General Plan amendment. He has been involved in preparing environmental and planning documentation, as well as representing agency staff for a range of highly controversial projects subject to scrutiny by the general public, environmental organizations, and public agencies. Mr. Minegar also serves as an in-house CEQA manager and Senior Planner for several local government agencies throughout Southern California.

RELEVANT EXPERIENCE

Comprehensive Planning Services, Eastvale, California. *City of Eastvale.* Environmental Planner. Responsible for review of all incoming applications to develop the environmental documentation approach in compliance with the California Environmental Quality Act (CEQA). Responsibilities include development of CEQA documents, peer review of applicant provided CEQA documents, preparation of staff reports, and public hearing support. Michael Baker provided comprehensive planning services for this recently incorporated City in Western Riverside County. Michael Baker served as the City's planning staff, providing current and advance planning processing, counter staffing, Planning Commission meeting facilitation; plan review; staff reports preparation; City functions participation; CEQA compliance and review; Tribes on SB18 and AB52 coordination; Western Riverside County Regional Conservation Authority (RCA) coordination for their Multiple Species Habitat Conservation Plan (MSHCP); and special project work, such as preparation of the City's Economic Development website.

Interstate 10/Avenue 50 Interchange, Coachella, California. *City of Coachella.* Environmental Associate. Responsible for managing the development of CEQA and NEPA environmental compliance documentation for the Avenue 50 Extension Project. The project required extensive coordination between local, state, and federal agencies. Michael Baker, as the prime consultant, prepared a project study report and provided state and federal environmental documentation for the I-10/Avenue 50 Interchange Project. The purpose of the project is to relieve forecasted congestion on I-10 and S.R. 86, including the Dillon Road interchanges. The interchange improvements will provide a new gateway into the city and improve access to I-10 for vehicles traveling in and out of the city. Michael Baker prepared the project report; new connection report; environmental documentation; geometric approval drawings; design exceptions fact sheets; and plans, specifications, and estimates.

North Basin Recharge Project EIR, Riverside, California. *City of Riverside.* Environmental Associate. Responsible for assisting the project manager with editing the analysis sections for the project environmental impact report. The project required extensive analysis of hydrology, sedimentation, and endangered species analysis. The project also required an intensive analysis of the cumulative impacts that could potentially result within the watershed. Michael Baker is preparing the EIR for the Riverside Public Utilities Santa Ana River inflatable dam construction and diversion project. The project includes analysis of off-stream recharge basins and an in-stream inflatable dam that would capture 75 acre feet of water and divert 200 cfs of storm flows from the river to the recharge basins. In addition to Army Corps of Engineers (ACOE) jurisdiction over the Santa Ana River embankment modifications, the project requires extensive coordination/compliance with regulatory agencies due to downstream and surrounding sensitive habitat.

Temecula Creek Inn Wildlife Corridor Study, Temecula, California. *City of Temecula.* Environmental Associate. Responsible for environmental planning support. Michael Baker prepared a wildlife corridor analysis for the proposed Temecula Creek Inn redevelopment project. The redevelopment would convert the existing 27-hole Temecula Creek Inn golf course into a resort community with a full service hotel, an 18-hole championship golf course, single family residential units, and several resort-type amenities. Michael Baker biologists reviewed several reports on wildlife movement through and around the project site, as well as previously prepared Western Riverside County Multiple

Michael Baker

INTERNATIONAL

Years with Michael Baker

8

Years of Experience

9

Education

M.S., 2019, Environmental Management and Policy, University of Denver

B.S., 2014, City and Regional Planning, California State Polytechnic University, San Luis Obispo

Licenses/Certifications

American Institute of Certified Planners, 2020

Professional Affiliations

American Planning Association (APA)

Association of Environmental Professionals (AEP)

Species Habitat Conservation Plan (MSHCP) compliance documents and relevant sections in the MSHCP for a proposed wildlife corridor located along the northern boundary of the project site in association with Temecula Creek. Specifically, the redevelopment was analyzed for its potential affects to the movement of mountain lions (*Felis concolor*) through the proposed corridor.

Camino Sierra Road Pressure Zone Conversion, Temecula, California. *Rancho California Water District.* Environmental Associate. Responsible for the management of an IS/MND for the Camino Sierra Road Pressure Zone Conversion Project. This project required technical study coordination for air quality, noise, greenhouse gas emissions, cultural resources, and biological resources. The project required extensive review and mitigation to reduce potential impacts to jurisdictional riparian areas proximal to the project site. Michael Baker provided design services for the Camino Sierra Road Pressure Zone Conversion project. The project consisted of approximately 6,400 linear feet of eight and 12-inch diameter pipeline connected to a higher pressure zone system in order to convert approximately 24 customers to a higher pressure zone.

Providence Pointe TS. *D.R. Horton.* Project Manager. Responsible for the management of an Addendum to a certified Specific Plan Environmental Impact Report for a single-family residential development. The project required delivery of the Addendum to the Environmental Impact Report on a shortened timeline, which required expedited review of the project and preparation of the environmental document

Griffin Homes Project, Redlands, California. *City of Redlands.* Environmental Planner. Responsibilities included quality assurance/quality control review for the development of the Initial Study/Mitigated Negative Declaration document. Michael Baker provided engineering services for the Griffin Homes project, a plan of 207 single-family residences with associated utilities, infrastructure, open space, and recreational areas on approximately 37.2 acres. Michael Baker performed site development and created the following amendments: a General Plan Amendment for Commercial to Low-Density Residential; a Specific Plan Amendment to remove the site from the East Valley Corridor Specific Plan; and a New Specific Plan for residential development, with applicable development standards.

Cathedral City Development. *Desert Housing Ventures, LLC.* Project Manager. Served the Project Manager for the Desert Housing Ventures CEQA Document. The project required the preparation of an Initial Study/Mitigated Negative declaration. Key responsibilities included team coordination and management, quality control review, and coordination with City staff.

Lakeland Village Community Planning, Riverside County, California. *Riverside County.* Project Manager. Responsible for the overall management of the Community Plan document, public outreach, and the Initial Study/Mitigated Declaration in compliance with the California Environmental Quality Act. Michael Baker provided consulting services to the County Planning Department in their planning efforts for the unincorporated community of Lakeland Village on the southwest shore of Lake Elsinore. The study area included approximately 2,623 acres. Michael Baker's efforts included development of revised General Plan, Land Use Plan, and amendments; a new General Plan policy focused on the Lakeland Village Policy Area, zoning consistency analysis; proposals for zone changes; a revised new Mixed-Use Zoning District plan for the Lakeland Village community area; countywide public outreach and community workshops; a public community planning GIS web application; and CEQA analysis.

On-Call General Plan Planning and Environmental Support, Riverside County, California. *Riverside County.* Contract Manager. Responsible for the review and finalization of the updated general plan document, general plan environmental impact report, and climate action document. Tasks associated with the general plan update included adding supplemental analysis to the documents, providing CEQA compliance and noticing support, completion of the Final EIR documents, and representing county staff during project meetings and hearings. Also responsible for serving as the project manager for an IS/MND supporting a minor amendment to the county general plan. The general plan project required responsibility to act as the serving advisor to the county on both environmental and land use matters as projects completed the public review and hearing process. Michael Baker has provided on-call general plan support to the County since 2014. Responsibilities include processing General Plan Amendments, California Environmental Quality Act (CEQA) compliance, zoning code amendments, and climate action plan support. Michael Baker has also completed the County's Fifth Cycle Housing Element Update, as well as a number of General Plan Amendments and CEQA documents.

Alicia E. Gonzalez



As a Project Manager at Michael Baker, Ms. Gonzalez works primarily as a CEQA generalist. Ms. Gonzalez has broad experience in preparing environmental compliance documentation pursuant to CEQA and NEPA requirements for public and private sector lead agencies. Ms.

Gonzalez also specializes in visual resources analyses, including key view analysis, character/quality considerations, viewshed mapping, shade/shadow analysis, light and glare studies, and Visual Impact Assessments in conformance with the Federal Highway Administration "Visual Impact Assessment (VIA) for Highway Projects."

Michael Baker
INTERNATIONAL

Years with Michael Baker
8

Years of Experience
8

Education
B.S., 2014, Biological Science, California State University at San Marcos

Professional Affiliations
Association of Environmental Professionals (AEP)

RELEVANT EXPERIENCE

Mammoth Arts and Cultural Center (MACC), Ridgecrest, California. *Town of Mammoth Lakes.* Environmental Specialist. Prepared an Initial Study/Mitigated Negative Declaration for the proposed Mammoth Arts and Cultural Center. Michael Baker prepared an Initial Study/Mitigated Negative Declaration for the proposed Mammoth Arts and Cultural Center (MACC) located at the existing Cerro Coso Community College. Specific technical analysis necessary to support the document included preparation of an air quality analysis, habitat assessment, greenhouse gas emissions analysis, photosimulations, and acoustical analysis. Key environmental considerations included potential noise impacts from proposed outdoor amphitheater activities on nearby residences, potential traffic impacts on the surrounding community, and potential site disturbance of known cultural artifacts.

Addendum to the Mammoth Lakes Multi-Use Facilities Project EIR. *Town of Mammoth Lakes.* Environmental Specialist. Assisted in the preparation of an Addendum to the Mammoth Lakes Multi-Use Facilities Project EIR. The proposed project, as modified, involves constructing a sprung structure over a proposed ice rink/RecZone, inclusive of the complementary community center, in lieu of the previously proposed pitched roof structure and standalone community center. The approximately 56-foot sprung structure would enclose the ice rink/RecZone; the dressing rooms and bleachers; lobby, concessions area, skate/equipment area, restrooms, storage and mechanical rooms; and the zamboni, skate sharpening, and mechanical/electrical maintenance room. Other project components include a park playground, surface parking lot, landscaping, and utility connections.

Venta Spur Trail Bicycle and Pedestrian Bridge over S.R. 133, Irvine, California. *City of Irvine.* Environmental Specialist. Prepared a Visual Impact Assessment for the Venta Spur Trail Bicycle and Pedestrian Bridge Over S.R. 133. Michael Baker assisted with the preliminary design and environmental documentation for the extension of the Venta Spur Trail across S.R. 133 and Marshburn Channel. The trail extension was a key element of the city's Master Plan of Open Space and Trails and constructed a Class I Bikeway between the existing trail in the Village of Woodbury East and an Irvine Ranch Water District (IRWD) maintenance road that connects to future Venta Spur Trail in the Great Park Neighborhoods.

Iron Horse Hills Addendum, Colton, California. *City of Colton.* Project Manager. Preparing an Addendum to the 2006 Draft Environmental Impact Report for the Iron Horse Hills Residential Project (2006 EIR). The project involves the construction of 184 single family detached residential units as well as a park, open space, a water reservoir, detention basins, and other related infrastructure. A previous version of the project was approved by the City of Colton in September 2006 that allowed the development of up to 187 single family detached residential units; however, the project has since been revised to include additional right-of-way surrounding "Street A" between Barton Road (the western project boundary) and Westwood Street (the eastern project boundary). These improvements would result in the loss of three single family detached residential units. Michael Baker is also preparing a Traffic Impact Analysis Memorandum to support the Addendum.

Bolsa Row Environmental Impact Report, Westminster, California. *City of Westminster, California.* Environmental Associate. Assisted in the preparation of the Bolsa Specific Plan EIR. Responsibilities also included Project Noticing pursuant to CEQA requirements. Michael Baker prepared an Environmental Impact Report (EIR) for the Bolsa Row Specific Plan. . The Bolsa Row Specific Plan would allow for the following uses: 1) 150-room hotel; 2) 20,000 square feet of assembly area with a limit of 650 people for regular events (this may be increased for festivals and other community events, subject to the requirements of the parking management plan);3) 45,000 square feet of retail space; and 4) 205 residential units. The project's on-site vehicle circulation is designed to separate the various users of the site, provide multiple route options, and

minimize conflicts with pedestrians. At the heart of the circulation system is the Festival Street, which serves as a shared vehicle and pedestrian zone and can be closed for large festivals or community events to only allow pedestrian access. The system is designed to accommodate this closure while still allowing the proposed uses on-site to function. As part of the EIR for the plan, Michael Baker considered noise and air quality and performed a greenhouse gas analysis.

Tina-Pacific Neighborhood Development Plan Project, Stanton, California. *City of Stanton.* Environmental Specialist. Assisted in the preparation of a Draft EIR for the Tina Pacific Neighborhood Development Plan Project. Michael Baker prepared an environmental impact report for the Tina-Pacific Neighborhood Development Plan Project. The project involved the construction of a 161-unit, multi-family affordable housing development. The city proposed acquiring 15 remaining properties on-site, relocating tenants, demolishing structures, and vacating Tina Way and Pacific Avenue, along with two alleyways. In addition to the affordable housing units and based on the availability of funding, the project included a preschool facility and recreational facilities. The voluntary relocation of tenants was anticipated. The proposed project required the following entitlements: Precise Plan of Development; Tentative Tract Map; Street Vacation; Conditional Use Permit; Density Bonus Concession; and Project-specific Relocation Plan.

One Metro West. *City of Costa Mesa, California.* Environmental Specialist. Michael Baker assisted the City of Costa Mesa with the preparation of an EIR for the One Metro West Specific Plan and Master Plan. The Specific Plan proposes a mixed-use development that consists of residential, specialty retail, creative office, and open space uses. The project is proposed to include up to 1,057 residential dwelling units (anticipated to be rental units), 25,000 square feet of commercial creative office, 6,000 square feet of specialty retail, and 1.5-acres of open space. The project would also include off-site pedestrian and bicyclist improvements to Sunflower Avenue and a new bicycle trail connection to the existing Santa Ana River Trail to the west. All existing buildings, structures, parking areas, drive aisles, and hardscape/landscape improvements are proposed to be demolished. The proposed project requires approval of a General Plan Amendment, Zone Change, Specific Plan, Master Plan, Development Agreement, Tentative Tract Map, Tree Removal Permit and Public Art Plan.

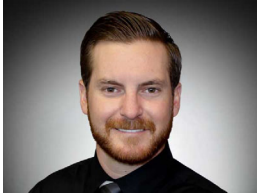
Cabrillo Mole Ferry Terminal Revitalization, Avalon, California. *City of Avalon.* Environmental Associate. Responsibilities included preparation of an IS/MND for the clients proposed Cabrillo Mole Ferry Terminal Revitalization Project situated on the existing ferry terminal (an entrance and exit portal to Catalina Island). Michael Baker provided environmental engineering, regulatory permitting, preliminary design report preparation, structures design, retrofitting, and final PS&E preparation for the revitalization of the Cabrillo Mole Ferry Terminal. The purpose of this project was to repair the wharf to maintain its safety and reliability and increase its life expectancy. In addition to structural repairs, opportunities to accommodate future improvements associated with the overall tourist experience at the mole structure were evaluated.

Montevista Fontana Environmental Planning, Fontana, California. *MV AMCV, LLC.* Environmental Specialist. Responsible for preparation of the project's aesthetics and land use and planning analyses. Michael Baker provided environmental planning services for MV AMCV, LLC for the proposed development of a 47-lot residential subdivision. The project consisted of two main components: land use and zoning changes over approximately 12.8 acres; and tentative tract map and design review for the construction of 47 single-family dwellings on nine acres. For the project, Michael Baker prepared an initial study/mitigated negative declaration (IS/MND) per the requirements of the California Environmental Quality Act, and prepared technical reports and analyses to support the initial study, including an air quality assessment, habitat assessment, cultural resources assessment, greenhouse gas emissions technical memorandum, noise technical memorandum, and a trip generation report.

CapRock Warehouse Project, California. *City of Fontana.* Environmental Specialist. Assisted in the preparation of a Draft Environmental Impact Report for the I-10 Logistics Center Project. Michael Baker provided environmental engineering services for the CapRock Warehouse Project. The project consisted of the development of a warehouse, as well as the annexation of adjacent parcels and portions of the right-of-way for Lytle Creek Road, Sierra Avenue, and the Interstate 15 freeway. Michael Baker provided a health risk assessment, an environmental impact report, a traffic impact study, and a habitat assessment to determine any possible impacts to wildlife and special-status plant species.

I-10 Monroe Street Engineering and Planning Services, Indio, California. *Riverside County.* Environmental Specialist. Prepared a Revised VIA Memo to address project changes. Michael Baker provided engineering and planning services for the Monroe Street interchange, which is located on I-10 between Jefferson Street and Jackson Street within the City of Indio. The project scope includes the completion of the project approval/environmental document (PA/ED) phase for the proposed reconstruction project. Michael Baker is providing services including approval of an environmental document, obtaining pertinent construction permits, preparing a project report that documents all preliminary design engineering work performed in support of the environmental document, right-of-way engineering and utility coordination, and preparing all required design plans and cost estimates for the plans, specifications, and estimates phase.

Thomas C. Millington



Mr. Millington is a senior-level biologist specializing in conducting general biological resources surveys, habitat suitability assessments, Coachella Valley MSHCP consistency analyses, jurisdictional delineations, vegetation mapping, California Rapid Assessment

Method (CRAM) analyses, peer reviews, nesting bird clearances, and protocol-level surveys for burrowing owl, least Bell's vireo, and desert tortoise. Mr. Millington has extensive experience preparing various biological technical reports and obtaining regulatory permits to assist public and private sector clients in maintaining compliance with a range of environmental regulations, including the CEQA/NEPA, California Fish and Game Code, Federal Clean Water Act, Migratory Bird Treaty Act, California Porter-Cologne Water Quality Act, California Coastal Act, State and Federal Endangered Species Acts (FESA/CESA), and Natural Community Conservation Planning Act. In addition, Mr. Millington has developed several Nesting Bird Management Plans and Environmental Awareness Programs as well as been responsible for the management and coordination of biological monitoring staff on various residential, commercial, industrial, utility, flood control, and transportation projects throughout southern California.

RELEVANT EXPERIENCE

Irvine Ranch Historic Park Infrastructure and Improvement Project, Irvine, California. Environmental Analyst. Mr. Millington conducted and prepared a 30-day pre-construction nesting bird clearance survey for the Irvine Ranch Historic Park Infrastructure and Improvement Project, located in the City of Irvine, California. The clearance survey was conducted to ensure that construction activities would not violate the Migratory Bird Treaty Act (1918) and the California Department of Fish and Wildlife Code (Sections 3503, 3503.3, 3511, and 3513) by destroying an active nest or disrupting nesting behavior within close proximity to the project site. Vegetation occurring within and adjacent to the project site was searched for presence of active or unoccupied avian nests. Methods used to detect the presence of nesting birds included direct observation, aural detection, and recording signs of presence (i.e., pellets, white wash, feathers, prey remains).

Marblehead Coastal Development Project, San Clemente, California. *Taylor Morrison.* Environmental Associate. Responsible for community planning. Michael Baker provided engineering and design services for the development of the Marblehead Coastal community. Marblehead Coastal was one of the last and most important oceanfront developments in Orange County. Located on a coastal plateau with expansive ocean views, the 248-acre site was planned and engineered by Michael Baker as a sustainable community for 313 residences, a 52-acre commercial center, and more than 125 acres of open space, including five public parks and more than four miles of public nature trails that take residents and visitors down to the ocean. For the project, Michael Baker provided bridge and roadway design, stormwater management services, environmental services, habitat management and wetlands restoration, permitting, and sustainable design.

Orange County On-Call Regulatory Services, Orange County, California. *Orange County.* Environmental Associate. Responsible for community planning. Under multi-year agreements since 2003, Michael Baker has been providing environmental, regulatory, and ecosystem restoration services for a variety of projects. Generally, the projects have included channel, roadway, and regional park improvements. Michael Baker's work efforts have included detailed jurisdictional delineations, resource agency coordination and negotiation, creative problem solving with project design, California Environmental Quality Act (CEQA) compliance, biological and cultural assessments, application submittals to state and federal resource agencies, and permit acquisition.

Caspers Regional Park Water Line Replacement, San Juan Capistrano, California. *Orange County.* Biologist. Provided field support and assisted with the preparation of the Habitat Assessment and Preliminary Delineation of Jurisdictional Waters for the Casper's Regional Park Water Line Replacement Project, located in southern Orange County, California. Casper's Regional Park consists of 8,000-acres and is currently supplied by its own domestic water supply. In order to address increased demand, Orange County Parks is proposing to install and replace existing water supply lines throughout the park. A detailed habitat assessment was conducted to document baseline conditions and closely evaluate the potential for the project site to support any state or federally listed sensitive species, including the California gnatcatcher

Michael Baker

INTERNATIONAL

Years with Michael Baker
10

Years of Experience
11

Education

B.A., 2010, Environmental Studies, University of California, Santa Barbara

Licenses/Certifications

Wetland Delineator Certification Program, California, 2012

CRAM for Riverine Wetlands-Certified Practitioner, California, 2014

Professional Affiliations

Association of Environmental Professionals (AEP)

Building Industry Association

California Native Plant Society (CNPS)

The Wildlife Society (TWS)

(*Polioptila californica*). Additionally, will conduct pre-construction nesting bird clearance surveys to ensure that construction activities will not violate the Migratory Bird Treaty Act (1918) and the California Department of Fish and Wildlife Code (Sections 3503, 3503.3, 3511, and 3513) by destroying an active nest or disrupting nesting behavior within close proximity to the project site. Michael Baker prepared the Biological Constraints Analysis and a Preliminary Delineation of Jurisdictional Waters for the Caspers Regional Park Water Line Replacement Project in unincorporated south Orange County. The proposed project will consist of installing new water lines, drinking faucets, gate valves, and hose bibs within park campgrounds and recreational areas. In addition, Michael Baker will conduct nesting bird clearance surveys prior to starting construction activities within Caspers Regional Park and provide construction monitoring through all phases of the project.

Mathis Trail Mitigation Site, Aliso Viejo, California. *Orange County.* Environmental Associate. Responsible for community planning. Michael Baker provided professional services for the Mathis Trail Mitigation Site located in the sensitive Aliso and Woods Canyon Wilderness Park. The mitigation site consists of created riparian scrub habitat in an area previously occupied by non-native grassland. The site was a requirement to mitigate for impacts associated with County Park's Mathis Service Road/Trail Repair Project. Michael Baker prepared construction drawings for the mitigation site and designed a native plant palette appropriate for the habitat type. Michael Baker staff prepared the riparian restoration and enhancement plan for the site and conducted five-year monitoring and reporting. Monitoring included qualitative assessments throughout the year, along with qualitative assessments in the spring. The site was also photo-documented for progress.

Cajon Creek Logistics Park, San Bernardino, California. *Hillwood Investment.* Environmental Associate. Responsible for community planning. Michael Baker prepared a Delineation of Jurisdictional Waters and Biological Habitat Assessment to document baseline conditions on the Cajon Creek Logistics Park Project site. The project included development of a 1,256,820-square-foot high-cube logistic facility and a 327,610-square-foot logistic facility situated on approximately 88.87-acres. Michael Baker conducted multiple site visits and a thorough literature review to document baseline conditions and determine the jurisdictional authority. The site was also evaluated for its potential to provide suitable habitat for sensitive biological resources, including San Bernardino Kangaroo Rat, Coastal California Gnatcatcher, Burrowing Owl, Santa Ana River Woolly Star, and Slender-horned Spineflower.

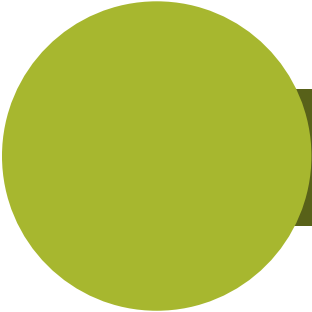
Chino South Industrial Project, Chino, California. *Sares-Regis Group.* Biologist. Responsible for community planning. Michael Baker prepared preliminary and final plans for a 1.8-million-square-foot warehouse project in Chino, California. The project consists of four buildings on approximately 123 acres. The project required extensive coordination with the U.S. Army Corps of Engineers because it was within the flood inundation zone of Prado Dam. Michael Baker also provided negotiation with Caltrans as the project fronts on Euclid Avenue, a state highway.

Eagle Canyon Dam Environmental Services, Cathedral City and Palm Spring, California. *Riverside County Flood Control.* Biologist. Responsible for community planning. Michael Baker prepared environmental documentation in compliance with the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) for the construction, operation, and maintenance of a dam, debris basin, and underground storm drain located in the cities of Cathedral City and Palm Springs, and in the Agua Caliente Band of Cahuilla Indians land. The Eagle Canyon Dam was needed to prevent further damage to development downstream, which had been severely damaged in the recent past.

County-Wide Long-Term Routine Maintenance Permitting Program - Regulatory Services, Orange County, California. *Orange County.* Environmental Associate. Responsible for community planning. Michael Baker assisted in preparing and processing environmental documentation for the County-Wide Long-Term Routine Maintenance Permitting Program for the County's 13 watersheds covering approximately 800 square miles. The project allows routine maintenance to occur throughout the county, within multiple existing flood control facilities and beneath existing bridges crossing over waterways. Michael Baker prepared the Operation and Maintenance Manual and the California Environmental Quality Act (CEQA) Initial Study/Mitigated Negative Declaration (IS/MND) and prepared and processed the necessary approvals through the State Water Resources Control Board, U.S. Army Corps of Engineers, California Department of Fish and Wildlife (approval issued), and California Coastal Commission (approval issued).

Bloomington Phase I. *Related Companies of California, LLC.* Environmental Associate. Conducted a detailed habitat assessment to document baseline conditions and closely evaluate the potential for the project site to support any State or Federally listed species. Prepared the biological technical report summarizing existing biological conditions, determinations regarding the potential for special-status species to occur, and other biological constraints that would pose a constraint to development.

Alamitos Park CEQA/NEPA Clearance, Long Beach, California. *City of Long Beach.* Associate Planner. Responsible for community planning. Michael Baker assisted with preparation of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) clearance documentation for the Alamitos Park project. The project included roadway improvements at and surrounding the intersection of Martin Luther King Jr. (MLK) Avenue and 7th Street, within the southwestern portion of the City.



Subconsultant

JLC ENGINEERING & CONSULTING, INC.

Joseph Castaneda, P.E.

Principal in Charge / Project Manager for Hydrology & Hydraulics

EDUCATION:

BS/1996 Civil Engineering/ California State University, Los Angeles

28 Units Civil Engineering Continuing Education / California State University, Long Beach

ACTIVE REGISTRATIONS:

1999, Civil Engineering, Ca/58935

PROFESSIONAL HISTORY:

Joseph is a Registered Civil Engineer in the State of California. Prior to establishing JLC, Joseph was the Director of Stormwater at a Riverside County Engineering Firm for 7 years. Additionally, he was employed by the Metropolitan Water District of Southern California (MWD) and was the designated assistant engineer for the Diamond Valley Reservoir Project. Joseph has obtained tremendous construction management and field experience during the construction of the reservoir.

Joseph's responsibilities at JLC include project management and design oversight, performing detailed storm water quality facility design, hydrology and hydraulic calculations, and preparing preliminary drainage studies and reports including drainage PS&E. Mr. Castaneda's experience is used by public agencies and other consultants to solve complex flood control and water quality constraints. Joseph has over 20 years of experience in hydrology modeling, hydraulic modeling, flood control design, and water quality design.

RELEVANT EXPERIENCE:

Beaumont Master Drainage Plan Line 1, Stage 50:

Joseph is the Project Manager for the design of the Line 16 storm drain system that is approximately 5,800 linear feet. The drainage system connects to the Noble Creek Recharge Facility (NCRF) Basins that is owned and operated by Beaumont Cherry Valley Water District (BCVWD). The storm drain improvements include 3 major laterals for future use and a low flow system that is restricted to intercept 30 ft³/s to promote groundwater recharge within the NCRF Basins. The Line 16 system has a tributary drainage area that is approximately 570 acres and the flow rates range from 250 ft³/s to 520 ft³/s. The storm drain system was designed for a 10 year storm event. The project design incorporates a storm drain system that ranges in size from 54-inch RCP to an 84-inch RCP. Joseph provided oversight of the analyses for the catch basin hydrology for the ultimate and interim conditions. Additionally, Joseph was involved in great detail with the major challenges of the project associated with the following:

1. The existing inverted street sections along Winesap Avenue and Jonathon Avenue.
2. The volume capacity and passive operation of the NCRF Basins
3. Ensuring that the NCRF would not become a system under the jurisdiction of the Division of Dam Safety
4. Grant Funding Timeline

Banning Master Drainage Plan, Line H, Stage 1:

Joseph was the Project Manager to lead the JLC project team in performing the storm drain design for Banning Master Drainage Plan Line H, Stage 1. The Line H storm drain system is approximately 5,000 linear feet. The drainage system commences at Smith Creek at the downstream terminus and extends along Wesley Street and Hathaway Street. The upstream terminus extends north of the Hathaway Street and Barbour Street intersection. The Line H system has a tributary drainage area that is approximately 270 acres and the flow rates range from 175 ft³/s to 540 ft³/s. The project design incorporates a storm drain system that ranges in size from 48-inch RCP to a 72-inch RCP. Joseph led the project team and provided the technical support in the performance of the catch basin hydrology for the ultimate and interim conditions in order to evaluate the flow rates for both conditions. The

analyses were used to size the proposed laterals. During the preliminary hydraulic analyses, two alternative alignments were assessed and compared to determine a preferred alignment. The two alternatives utilized hydraulic modeling to perform comparative analyses. Additionally, several design characteristics were used to develop a matrix that would rank the two designs in order to select a preferred alternative. The major characteristics controlling the design were available right-of-way, downstream water surface elevation at Smith Creek, utility conflicts and preliminary construction costs.

Perris Valley Channel Improvements & Nuevo Road Bridge Replacement:

Joseph was the Project Manager and Lead Engineer that prepared and performed hydraulic analyses, channel design and bridge hydraulic modelling for Perris Valley Channel and the Nuevo Road Bridge. At the request of the City of Perris and Tri-Lake Consultants, Joseph was requested to provide a design team that would perform the following tasks related to the Perris Valley Channel & Nuevo Road Bridge Replacement:

1. Determine the scour depths and bridge width that would allow the ultimate Perris Valley Channel to function and an interim design that would function in the interim condition.
2. Relocate and redesign an existing USGS Stream Gage and Weir Structure.
3. Provide a storm drain that completes the Perris Valley MDP Line L system.

Joseph was tasked to perform hydrology and hydraulic analyses and storm drain/channel improvement plans that were processed through RCFC&WCD.

North Indio Regional Channel Inlet Structures & Outlet Structure 2D Modeling:

Joseph was the task manager for the design of 3 inlet structures and 1 outlet structure for the North Indio Regional Channel. Webb & Associates contracted Joseph to provide 2D hydraulic analyses and improvement plans that would collect and convey the inflows and outflows for the proposed Coachella Valley Water District (CVWD) regional channel system. The design of the improvement plans included the following:

1. Concrete transitions structures.
2. Slope protection and cutoff wall designs to protect against scour.
3. Outlet dissipators and wingwall design.
4. Weir structures at the inlet to control inflow velocities.

Banning Master Drainage Plan Line A and Lateral A – City of Banning: Joseph was the Project Manager for the Line A and Lateral A1 subsurface storm drain project located in the City of Banning. The storm drain systems are proposed RCBs that are 2,520 feet in length and discharge into the existing Line A Storm Drain System. The major project challenge was to design a system that would eliminate the existing FEMA Zone A Flood Hazard and connect to the existing upstream drainage channel and downstream storm drain system. A Project Design Report was prepared in order to evaluate alignment alternatives that would allow RCFC & WCD to select a preferred storm drain alternative. The scope of work required the final design and PS&E for the Line A and Lateral A1 Storm Drain Improvements that were processed through RCFC & WCD.

Paloma Valley Channel Stage 2 and 3 – City of Menifee: Joseph provided RBF technical support for the design and analyses of Paloma Wash Channel. The Paloma Wash Channel is a 6,700 foot long channel system that includes three major culvert crossings. JLC prepared the technical reports for the upstream flood plain and collection system and the hydraulic modeling that extended from Salt Creek Channel to the natural flood plain upstream of Holland Road. The major project challenge was to provide a design that would not result in a levee condition due to the elevated roadways. Additionally, JLC prepared a design and improvement plan to collect the wide upstream flood plain that would be conveyed into the proposed culvert. The scope of work required the final plans and estimates for the Paloma Wash Channel. The Paloma Wash Channel was processed through RCFC & WCD. As part of the project improvements a Conditional Letter of Map Revision and Letter of Map Revision were filed with FEMA.

Sophie Tanner
Design Engineer for Hydrology & Hydraulics

EDUCATION:

BS/2019 Civil Engineering/ Stanford University

MS/2020 Civil & Environmental Engineering / Stanford University

ACTIVE REGISTRATIONS:

2018, Engineering Intern Number, Oregon/96331EI

PROFESSIONAL HISTORY:

Sophie has been employed as a full-time employee with JLC Engineering & Consulting since 2020. Sophie academic knowledge has been used to work on projects that include storm drain and water quality facility design, hydrology analyses and hydraulic analyses. Sophie has worked on project that utilize the RCFC & WCD, San Bernardino County, and Orange County hydrology manuals. Additionally, Sophie's knowledge related to pressure and open channel flows have been used to prepare hydraulic models using WSPG and HEC-RAS.

RELEVANT EXPERIENCE:

Holland Channel Hydrology and Flood Plain Analysis:

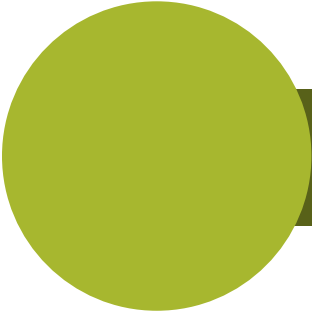
Sophie has been assisting the JLC design team in preparing hydrology, hydraulic and flood plain assessment for the Holland Channel area. The proposed Holland Channel system will provide flood control protection for the local area and will collect runoff from a 3,000 acre watershed area. The proposed hydrology analyses implemented the use of the RCFC&WCD Hydrology Manual, the County of Riverside General Plan and the NRCS Soil Data. The hydrology analyses for the 3,000 acre watershed area was performed for the 100 year 3 hour, 6 hour and 24 hour storm events. Additionally, Sophie has been assisting the design team in developing hydraulic models using the HEC-RAS and WSPG to assess the 100 year flood plain for the regional area.

I-10 Hydrology & Hydraulic Assessment for Culvert Systems (Singleton Rd. to Cherry Valley Blvd):

Sophie performed hydrology analyses for the 100 year storm event for approximately 4,800 acres of watershed area that is tributary to Interstate 10 between Singleton Road and Cherry Valley Boulevard. The hydrology model assessed the existing watershed condition and the ultimate buildout condition based on the general plan from the City of Calimesa, City of Beaumont and the County of Riverside. The purpose of the hydrology analyses, using the RCFC&WCD Hydrology Manual, was to develop the flow rates that were tributary to the existing culverts that cross I-10. The results of the hydrology analyses were used to determine the quantity of flow that can be passed through the existing culverts and the quantity of runoff volume that accumulates upstream of I-10.

Hydrology & Hydraulic Modelling for West Hemet MDP Line C & Line D:

Sophie performed hydrology analyses for the 100 year storm event for approximately 2,500 acres of watershed area that is tributary to the Line C and Line D channel system. The hydrology model assessed the ultimate conditions using the general plan from the City of Hemet. The purpose of the hydrology analyses, using the RCFC&WCD Hydrology Manual, was to develop the flow rates that were tributary to the existing basins and to determine potential benefit of the existing basin volumes. The hydrology analyses and the basin routing analyses were used to determine the required Line C and Line D sizes in comparison to allowing the entire peak flow rate to by-pass the basins. The analyses were used to develop Line C and Line D storm drain alternatives and develop preliminary cost estimate that were to be used to determine the required project funding.



Subconsultant

NEW LINE SKATEPARKS, INC.





NEWLINE
SKATEPARKS

FIRM PROFILE

Let Us Introduce Ourselves

New Line Skateparks (established 2001) is North America’s Premier Youth Park/Skatepark Development Firm. With over 350 highly recognized projects around the world, we are proud to serve as one of the Nation’s longest running and most experienced concrete youth multi-use park design-build teams.

Our staff is comprised of registered landscape architects, engineers, planning experts, and construction professionals who are passionate active skateboarders. This passion inspires us to deliver cutting edge designs and authentic finished environments that create a meaningful connection between youth and the communities in which they live.

We love what we do. When we engage a community in the development process we bring a professional, organized and fun attitude. The design journey is important and our approach is inclusive. We spare no resource to ensure youth and affected stakeholders truly become part of each project solution.



Plaza at the Forks, Winnipeg, MB

“The quality of the design is demonstrated by the international recognition the Plaza received from the skateboarding community. The Plaza at the Forks sets the bar for other cities throughout North America which are struggling to respond to similar issues.”

CSLA Jury Comments

Canadian Society of Landscape
Architects
National Honour Award



“The Plaza at the Forks is proving to be one of the top skateboard facilities known to man. This project had the right decisions made from top to bottom: siting, budget, design and construction.”
Chad Balcom, SPS Regional Director

Skaters for Public Skateparks
Public Space Award



What We Believe

New Line Skateparks is committed to the improvement of natural and built environments for all generations. Our goal is to promote environmental quality as a way to protect what we value in our unique region. We carry this philosophy in any Skatepark development. Through listening, watching and testing ideas, we create youth park solutions that work in harmony with existing environments and ultimately lead to fully integrated places.

Skateparks are changing. The days of the stereotypical ‘grey square’ have long passed as a new era of concrete facility design responds to far more than purely function. When designed and constructed with strong community input and sensitivity to the surrounding context, Skateparks not only become beloved destinations for local youth but celebrated public spaces for all to enjoy!

Services... The Art of Shaping Space

Master Planning and Feasibility Studies - NLS provides planning expertise to municipal governments for action sports networks as well as individual project developments. Through completing the award winning Calgary Skateboarding Amenities Strategy in 2012, as well as Skateboarding/Action Sports Master Plans for Lethbridge AB, Arlington TX, Port Coquitlam BC, and Waterloo ON, we have established a proven, transparent and credible planning process that has been widely recognized as a benchmark for our industry. Whether it be site selection, feasibility studies, fundraising programs, or long term facility development strategies, we strive to offer the best mix of qualified personnel and specialized resources for each unique planning challenge.

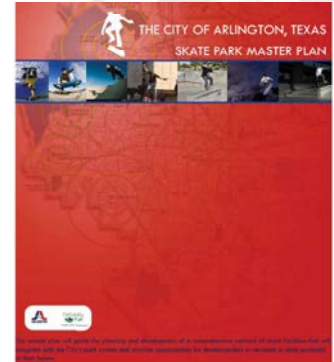


— Collingwood Youth Park Concept Master Plan Edmonton, AB

— Site Selection Boards Brantford, ON

Public Consultation - NLS provides comprehensive consultation services to facilitate community input in the design of Skateparks and other progressive public spaces. As passionate skateboarders and avid park users ourselves, we know how important participation by youth and other members of the community will be to the long term success of each project. No matter what project size, we deliver a tailored program of hands-on, interactive design workshops and public presentations facilitated by principal members of our team. Outside of our scheduled meetings, youth and other stakeholders are encouraged to continue to submit written comments, sketches, pictures etc. through our specially developed custom web portal for immediate and ongoing feedback. Overall, we believe engaging the community in a meaningful way is one of the most critical aspects of any Skatepark design journey and a key factor to our team's continued success.

— 1st design workshop - Portland, OR (Ed Benedict Skate Plaza)
— Pre-construction community info session - Edgewater, FL



City of Arlington Skatepark Master Plan

Texas Recreation and Parks Society
Planning Excellence Award





NEWLINE
SKATEPARKS

Services... The Art of Shaping Space

Design - NLS designs award winning municipal concrete Skateparks and other wheeled sport environments that continually set the bar for international Skatepark development. From day one, we have chosen to think outside the 'concrete square' by leading the industry in introducing a site and community-specific design approach, integrated art/sculptural installations, green/sustainable development initiatives, CPTED principles, innovative materials and aesthetic detailing, progressive lighting schemes, skateable donor recognition signage, and architecturally striking Skatepark roof structures. We believe that every project and community has a unique 'story' that can be told through authentic and enduring Skatepark architecture. To realize our unique designs, we take great pride in delivering photorealistic 3D facility modeling, animated project 'fly-through' experiences, and certified technical drawings to ensure complete project understanding and a thorough construction process for each park.

Construction - New Line Skateparks is one of North America's most experienced providers of large-scale municipal Skatepark construction services - serving as the General Contractor on a significant portion of the 350 + designs completed by our team. Whether it be complete turnkey project solutions or specialty services/products, we are recognized as a global leader in the development of site-built concrete Skatepark construction technology and techniques. Our team has also worked hard to lead the industry in cost and schedule control, safety, and concrete quality accreditation - with a guarantee of construction budget certainty, on-time project performance, and ACI (American Concrete Institute) certified team members overseeing all shotcrete operations. Finally, New Line Skateparks has been fully bonded and insured for over 18 years and employs approximately 30 dedicated field staff leading municipal Skatepark projects across the world.



Plaza at the Forks - Winnipeg, MB



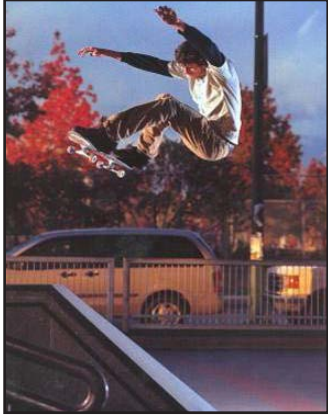
NE Community Skatepark - Frisco, TX



Chemainus Skatepark - Chemainus, BC



Chinook Winds Youth Park - Airdrie, AB



Youth Park Design Philosophy...

New Line Skateparks Inc. has worked extensively in the planning, design and construction of concrete skateparks, pump tracks, BMX parks, mountain bike courses and other progressive 'casual recreation' facilities. Although this emerging area of recreation is not new, the participation levels associated with inline, BMX, mountain biking and skateboarding have climbed to exceptional levels over the last 18 years.

Vancouver Skate Plaza - CSLA Regional Honour Award ★



Youth Park Design Philosophy...

The inclusion of 'Action Sports' in the planning process benefits the whole community by making children, youth and adults that participate in these activities feel valued. Developing a youth park strategy that includes action sports programs and facilities will introduce new experiences and challenges for a broad demographic that is often difficult to engage and/or overlooked in community parks planning.

Plaza at the Forks - Winnipeg, MB - CSLA National Honour Award / SPS Public Space Award ★★



Youth Park Design Philosophy...

Developing a successful youth park design requires a consultant to think and act in a way that respects the desires of future park users. This respect must be balanced with an understanding of construction tolerances, safety standards, community needs, security, and budget. NLS has a diverse and qualified staff who consistently seek new ways to achieve the expectations of the target user group while setting realistic goals, limits and deadlines.

Marina Park Skate Plaza - Thunder Bay, ON - Parks and Recreation Ontario Excellence in Design Award ★



EDUCATION

AS, Engineering Survey & CAD Design, Cuyamaca College, San Diego, California

AWARDS

2018 ASLA New York Upstate Chapter Merit Award, Planning and Analysis (Rochester Urban Skate Park)

2017 American Public Works Association (APWA) Southern California Chapter, Creative & Innovative under 50,000 ft² (Manhattan Beach Skate Park)

2016 California Parks & Recreation Society Award (CPRS) District 12, Best New Facility (Encinitas Community Plaza and Skate Plaza)

2014 California Park & Recreation Society Award of Excellence, Alga Norte Community Park (Skate Park)

2014 American Public Works Association - San Diego & Imperial Counties Chapter Public Works Project of the Year (Alga Norte Community Park (Skate Park)

Kanten was a professional skateboarder for over 13 years traveling all over the world endorsing his pro model shoes and signature skateboards. His experience has helped him relate to the action sport community to design and develop their dream skate park facilities for the last 10 years. He possesses all the design and technical skills using AutoCAD 2018 and Civil 3D to generate concepts, technical drawings, horizontal control, and grading plans. His knowledge of site development, park design, and skateboarding has helped him work with communities to formulate the best skate parks on budget in the action sports industry.

PROJECT EXPERIENCE

Amelia Mayberry Skatepark Whittier, CA

Kanten lead as Sr. Designer design of the new 18,000 square foot skatepark at Amelia Mayberry park in Whittier, CA. This skate plaza has a - less is more - open concept with intersecting lanes that address the request from locals to have a variety of ledges and rails. The urban style terrain pays homage to what locals enjoy skating in the streets of Whittier. Having a balance of banks and transitions for continuous open flow with a variety of elevation changes and an organic flow bowl, provides a great riding experience for beginners and experienced users throughout the entire skatepark.

Alga Norte Community Park Skate Park, Carlsbad, CA

Kanten managed designs for the City of Carlsbad's historical Skate Park. This park required a very inclusive community input program, which drive the design to include elements of the existing urban fabric including, a southwestern color palette reflecting the prevalent Spanish style architecture. Additionally, a transition arch with a doorway was inspired by the shapes of Carlsbad's historic aesthetic.

Milpitas Skatepark Feasibility Study, Milpitas, CA

Kanten managed preparation of a feasibility study, working with the City and community in a public facilitation process that drove the planning and concept design for future phases of the project.

Manhattan Beach Skate Spot, Manhattan Beach, CA

Kanten provided the City of Manhattan Beach with skate park feasibility study services by reviewing and analyzing the history of public outreach process and documents. The study included prioritizing park locations, determining the type of skate park and the means to fund it. As part of Phase 2, Kanten conducted all of the public facilitation, and led the schematic design, construction documents, and construction observation of the skate park completed December 2016.



Mid City Skatepark



Lindo Lake Skate Park, San Diego, California

Kanten developed the County’s first “Wheel Friendly” Skate Plaza that is pedestrian friendly with spectator viewing. The site has an open plaza theme that integrates with the adjacent Lindo Lake recreational trail network. The park plans will develop adequate community ingress and egress to ADA Compliant facilities, off-street parking spaces, Wheel Friendly environments within the park and Green Technology. Responsibilities include: planning, public facilitation, schematic, conceptual, 3-D modeling, design development, construction documents and will continue services through construction administration and grand opening assistance.



Poplar Bluff Skate Plaza

Poplar Bluff Skate Plaza, Poplar Bluff Missouri

Kanten helped develop the city’s first “Wheel Friendly” Skate Plaza that is pedestrian friendly with spectator viewing. The project has an urban plaza theme that integrates with the existing brick building and adjacent brick walls embracing the city’s historical architecture. Responsibilities include: planning, public facilitation, schematic, conceptual, 3-D modeling, design development, construction documents and will continue services through construction administration and grand opening assistance.

Encinitas Community Skate Plaza, Encinitas, CA

Kanten managed design services for the development of park plans, which included developing adequate community ingress and egress to ADA Compliant facilities, off-street parking spaces, Wheel Friendly environments within the park and Green Technology. Kanten was hired as the lead designer and project manager to perform services from planning, public facilitation, schematic, conceptual, 3-D modeling, design development, construction documents and will continue services through construction administration and grand opening assistance.



Alga Norte Community Park Skatepark

Manhattan Beach Skate Spot, Manhattan Beach, CA

Kanten provided the City of Manhattan Beach with skate park feasibility study services by reviewing and analyzing the history of public outreach process and documents. The study included prioritizing park locations, determining the type of skate park and the means to fund it. As part of Phase 2, Kanten conducted all of the public facilitation, and led the schematic design, construction documents, and construction observation of the skate park completed December 2016.

Corning Skate and Bike Park, Corning, CA

Kanten not only worked on the park planning and design but also public facilitation. We conducted three public meetings to refine the concept and design, presenting conceptual design along with 3-D modeling. The Sacramento River and a grove of olive trees were the dominant elements influencing our design, and we also wanted to preserve the trees. To do this, we creatively wrapped the park around the trees, adding more green space to the facility. Our color pallet and materials were selected to represent the Sacramento River and mimic the color tones the olive trees. We also developed a fundraising packet for the community. Along with city funding, the project garnered local business donations. We then prepared construction documents, provided construction administration, and assisted with the grand opening that was covered by Thrasher Magazine.



Corning Skate and Bike Park

Additional Project Experience Listing Available Upon Request



Mr. Dion is the founder, president and principal designer of New Line Skateparks. He is a seasoned active skateboarder and father of 5 who has tirelessly dedicated himself to the promotion of skateboarding/action sports across North America and throughout the world. Kyle has provided his professional consulting and construction services for over 300 high profile municipal skateparks across the United States, Canada, Europe, and Australia. In addition to receiving numerous recognitions for his work (including the esteemed Canadian Society of Landscape Architects National Honor Award), Mr. Dion is regularly featured in prominent Canadian and international media publications for his unique community recreation contributions.

PROFESSIONAL EXPERIENCE

New Line Skateparks

Langley, BC / Edgewater, FL
 President / Principal Designer
 2001 - Present

Puzzled Skate Movement

Maple Ridge, BC
 President
 1997 - 2001

City of Maple Ridge

Maple Ridge, BC
 Youth Program Specialist
 1994 - 1997

Luxton Designs

Perth, Australia
 Project Manager
 1990 - 1994

PROFESSIONAL AFFILIATIONS

American Shotcrete Association

Skateboard Canada
 (Board Member)

PROFESSIONAL AWARDS

CSLA - Regional Honor Award - Vancouver Skate Plaza
 CSLA - National Honor Award - Plaza at the Forks
 Skaters for Public Skateparks - Public Space Award - Plaza at the Forks
 Parks and Recreation Ontario - Excellence in Design Award
 Texas Recreation and Parks Society - Excellence in Design Award
 CSLA National Citation - Calgary Skateboarding Amenities Strategy
 American Shotcrete Association - Outstanding Shotcrete Award

PROJECT EXPERIENCE

(project values \$300,000 - \$2.5 Million)

NE Community Skatepark - Frisco, TX
 Lafayette Skate Plaza - Los Angeles, CA
 SOMA Skate Plaza - San Francisco, CA
 Helen McCall Skatepark - Walton County, FL
 Plaza at the Forks - Winnipeg, MB
 Calgary Skateboarding Amenities Strategy - Calgary, AB
 Banff National Park Skatepark - Banff, AB
 Lake Wilcox Youth Park - Richmond Hill, ON
 Gellert Community Skatepark - Halton Hills, ON
 Vancouver Skate Plaza - Vancouver, BC
 Chuck Bailey Youth Park - Surrey, BC
 Seattle Center Skatepark - Seattle, WA
 Kensington Skatepark - Vancouver, BC
 Melfort Skatepark - Melfort, SK
 Chinook Winds Skatepark - Airdrie, AB
 Station One Skate Plaza - Saint John, NB
 Fredericton Downtown All Wheel Plaza - Fredericton, NB
 Seattle Center Skatepark - Seattle, WA
 South Kitsap Skatepark - Port Orchard, WA
 House Park Skate/BMX Park - Austin, TX
 Umea Skatepark - Umea Sweden



Chris long is a detailed oriented EIT with a passion for action sports. A long time skateboarder himself, his work on countless skateparks / youth park facilities has built his reputation as a leader in the field. Chris recently made the transition from Stantec Consulting (Action Sports Division) after three years in his role as Civil Designer and joined the team of New Line Skateparks where he now provides civil design support for all US design operations. Chris is driven to design synergistic skatepark / youth park environments that leave a lasting impact on the local community and fulfill the overall vision of the client we are serving.

EDUCATION

Worcester Polytechnic Institute
 Bachelor of Science in
 Civil Engineering
GPA 3.88/4.0

PROFESSIONAL EXPERIENCE

Newline Skateparks
 San Diego, CA
 Civil Park Designer
 July 2019 – Present

Stantec Consulting
 Boston, MA
 Civil Designer
 2016 – 2019

Tighe & Bond
 Middletown, CT
 Staff Engineer
 2015 – 2016

PROFESSIONAL AFFILIATIONS

Boston Society of Civil Engineers
 Active General Member

PROJECT EXPERIENCE

(project values \$300,000 - \$2.5 Million)

Amelia Mayberry, CA (2020)
 Escondido, CA (2020)
 Town Park Phase 2, Oakland, CA
 Reservation Road Skate Park, Boston, MA (2019)
 Skate Corridor & Pump Track at Smith Playground, Boston, MA (2018)
 Brattleboro Skatepark, Brattleboro, VT (2019)
 Oakcrest Cove Skatepark and Multi-Use Facility, Sandwich MA
 T.J. O'Grady Memorial Skate Park Bowl Phase, Acton, MA (2018)
 T.J. O'Grady Memorial Skate Park Phase Two, Acton, MA (2019)
 Falmouth Skatepark, Falmouth MA (2018)
 Jamaica Plain Skatepark, Boston, MA (2018)
 Ryan Brennan Memorial Skatepark, Salem MA (2018)
 Washington Park Skate Park, Albany, NY (2017)
 Fundraising Campaign for the Rochester Urban Skate Park, Rochester, NY (2017- 2018)
 LaGrange Skatepark, LaGrange, GA (2018)
 Colgate Action Park Master Plan, Clarksville IN (2018)
 McIntire Skatepark, Charlottesville VA (2017)
 Eagan Skate Park, Eagan, MN (2018)
 Cloquet Skatepark, Cloquet, MN (2018)
 Burnsville Lions Skatepark, Burnsville MN (2017)
 Ojibway Skatepark Phase Two, Woodbury, MN (2018)
 Davis Pump Track, Davis, CA (2018)
 Serenity Pump Track, Lake Elsinore, CA (2017)
 Carlsbad Adventure Park Feasibility Study, Carlsbad, CA (2017)

Greeley Skatepark Network Greeley, CO

In 2018 the City of Greeley retained New Line Skateparks to create not just one, but a network of three modern concrete skateparks strategically distributed throughout the city. This master-planned development allows the majority of Greeley residents to have access to a skatepark within just over a mile of their residence - each with a distinct character, unique terrain style and site integration approach.

Informed by an exciting community engagement process consisting of a series of interactive design workshops and open house sessions, the final design program resulted in a Flow/Transition oriented Facility at Centennial Park, an expansive modern Street-Style Plaza at 3rd Street, and a versatile Skate Spot (existing concrete slab retrofit) at Peakview Park. Our team also collaborated closely with the City's Public Art program to incorporate custom installations by sculptor Joshua Goss into each facility footprint.

Team Responsibilities:

- site analysis
- public consultation
- conceptual and final design
- full construction services

Project Budget: ~ \$1,800,000

Timeline: Winter 2018 - Spring 2020

Andy McRoberts, CPRE

 Director - Culture, Parks and Recreation
 970-350-9425


Seattle Center Skate Plaza Seattle, WA

Destination Park

Located under the city's iconic Space Needle and adjacent to Frank Gehry's Museum of Pop Culture, the new Seattle Center Skate Plaza will be a hub for street skateboarding in the Pacific Northwest region. As a part of a multi-disciplinary team, New Line Skateparks has developed a design that functions with complex site constraints, integrates native planting and materials in on-site stormwater treatment areas, includes custom lighting and artistic glass paneling, and will be able to evolve and grow as the neighborhood develops. This space has been planned to fill the gaps in the greater Seattle skatepark network, with accessibility and inclusion as top priorities in the design process. Working with local advocates including the youth non-profit Skate Like A Girl, the new Seattle Center Skate Plaza will be a space for a diverse user group of different backgrounds and skill levels to feel welcome, with opportunities for progression and programming throughout the park. With the community consultation and conceptual design process now complete, New Line Skateparks is developing final plans for construction with a grand opening scheduled for Summer 2021.

Project Budget: \$1,300,000

Timeline: Spring 2019 - Summer 2020

Client: Seattle Center, Julia Levitt - julia.levitt@seattle.gov

Team Responsibilities (Plaza Lead Designer):

- site analysis and public consultation
- conceptual and final design
- contract administration



SoMa Skate Plaza San Francisco, CA

Destination Park

Located at the corner of Duboce and Stevenson in Downtown San Francisco, the soon to be constructed SoMa Skate Plaza embodies the culmination of over two years of planning and coordination between the local skate community, civic and state government agencies and members of our international consulting team. The plaza offers an expansive combination of features inspired by local spots such as Channel Street, 3 up 3 down and the iconic Justin Herman Plaza - resulting in a unique, world class urban skate destination with an unmistakable San Francisco feel. The first round of concept renderings are shown below. After several years of planning, design engineering, permits and approvals, SoMa Skate Plaza was finally opened to the skateboarding universe in summer 2014.

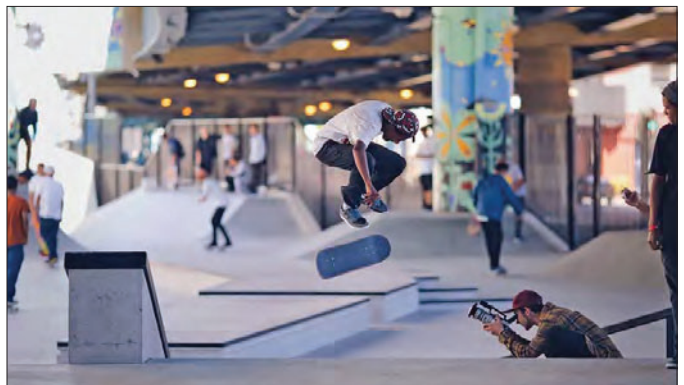
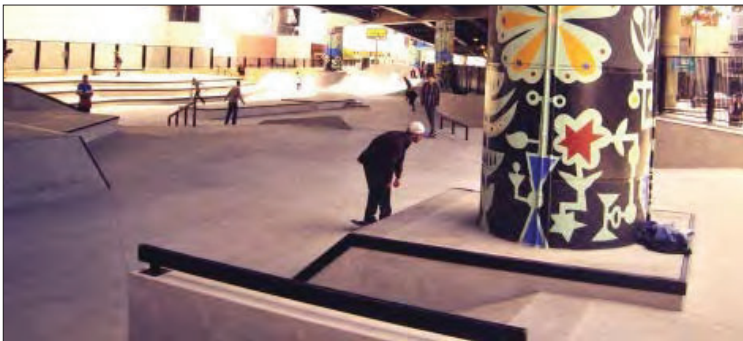
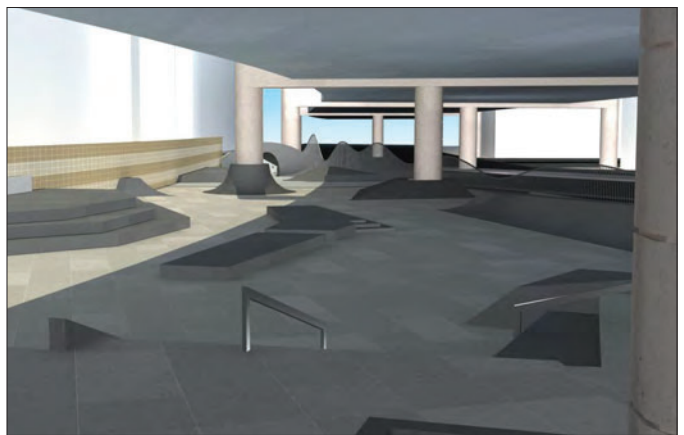
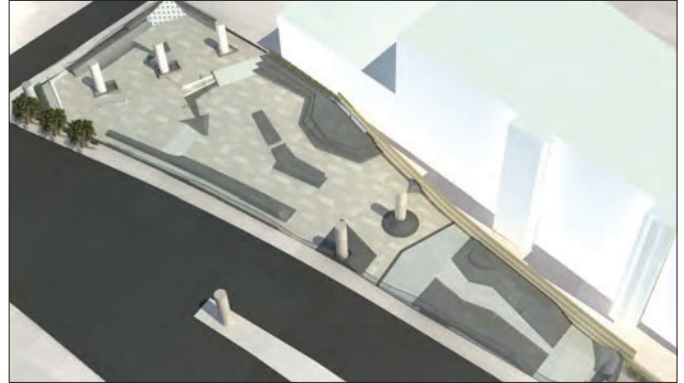
Project Budget: ~\$800,000

Timeline: Fall 2008 - Summer 2014

Client: City of San Francisco, Koa Pickering, 415.554.5810

Team Responsibilities:

- site analysis and public process
- conceptual and final design
- site inspection and contract administration



Ypsilanti commUNITY Skatepark Ypsilanti, MI

This marquee skatepark facility is the first of it's kind in Michigan with it's integrated green storm water management system and world class skateable terrain. Bio-filtration swales, rain gardens, recycled material and natural fibre concrete mix not only reduces the environmental impact of the development but offers a sustainable, functional and durable skatepark that will last decades into the future. The flowing street section, beginner area and multi leveled flow bowl offer every style of rider unique challenges and opportunities. The final mix of materials, color, and natural landscaping creates a park as beautiful as it is functional. With a vast list of partners including and large group of local advocates, the Tony Hawk Foundation (now the Skatepark Project, Ralph C. Wilson Jr. Foundation, Washtenaw County, Ypsilanti Township and the National Fish and Wildlife Foundation, the final product exemplifies CommUnity and inclusivity.


**TONY HAWK FOUNDATION
 GREEN INITIATIVES GRANT**

 Michigan Recreation and Parks Association
 VIP Facility Design Award

Budget: ~\$600,000
Timeline: 2019 - 2020
Client: Washtenaw County

Team Responsibilities:
 -public process
 -conceptual and final design
 -full construction services



NE Community Skatepark Frisco, TX

Destination Park

The Northeast Community Skatepark in Frisco, TX is a destination level, all-wheeled mecca designed to accommodate users of all ages and skill levels - from kids to grey beards, and beginners to professionals. With over an acre of carefully detailed skateable terrain, this skatepark has A LOT OF EVERYTHING....FOR EVERYONE. The park consists of 3 main areas: the central Plaza, expansive modern Flow Complex, and competition-level Vert Bowl. The terrain experience is complimented by a state-of-the-art lighting system, tons of integrated viewing and rest areas, custom sculptural features, stunning landscaping and mature oak trees, and a network of pedestrian linkages to the greater site's amenities (soccer fields, children's playscape, fishing pond etc). A big thank you and congrats to the City of Frisco for investing in this landmark community-driven project!

Project Budget: ~ \$2,500,000

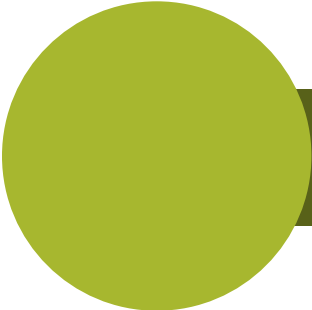
Timeline: Fall 2015 - Summer 2017

Client: City of Frisco, Brett Bergeron. 972.292.6516
B Bergeron@friscotexas.gov

Team Responsibilities:

- site analysis and public process
- conceptual and final design
- construction administration





Subconsultant

CALIFORNIA WATERS





For over 20 years, California Waters has been bringing water to life for our clients and end users. We continue to illuminate water's magical properties with every project we undertake. More than ornamentation, we view these projects as individual works of art integral to their environments – each leaving a lasting legacy for the communities they enhance.

SPLASH PAD EXPERIENCE

There's a world of wonder to discover in water. California Waters loves connecting people of all ages to the magic of water play - from toddlers to their grandparents. Creative, interactive splash pads bring out the curiosity and joy in everyone. You'll find our inventive, imaginative splash pads and spray parks in playgrounds, water parks, shopping malls, hotels, apartment communities and RV parks - to name a few.

Built as a stand-alone focal point or integrated into the surrounding environment, California Waters' splash pads incorporate an array of unique interactive features for cooling off and having fun, including enchanting tree showers, water cannons, rainbow arcs, misters, dumping buckets and more. Virtually any combination is possible; there's no better way to delight a crowd.

- Interactive Splash Pads
- Water Features
- Commercial Pools & Spas
- Aquatic Facilities
- Waterscapes
- Lakes, Ponds & Streams
- Themed Environments
- Natural & Artificial Rockwork



ADDRESS

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Yorba Linda, CA 92887
(949) 528-0900
www.californiawaters.com

POINT OF CONTACT

Leanne Harvey
Director of Business Development
o 949.528.0900 x123
m 949.677.1188
lharvey@californiawaters.com

LICENSES

CA License #958960
A, C-53, C-61/D35, D06, D21

COMPANY DATA

California Waters Development, Inc.
dba California Waters
S-Corp.
Fed ID: 27-4963481
DIR:1000001472
Company Founded: 1999
Design/Construction: 2011



QUALIFICATIONS: WE ARE CALIFORNIA WATERS

Design/Engineering: Creating a striking water feature or engineering a technologically advanced splash pad or pool requires a thorough understanding of the intricacies of fluid dynamics. We blend our expertise in mechanical and structural engineering with our passion for creative architectural design. The results are beautiful, functional and structurally sound water features, splash pads and commercial pools that inspire confidence as well as awe. Our focus on strategic planning and attention to detail minimize RFI's and change orders while maximizing the success of your project. And our expertise in value engineering maximizes your project's budget without sacrificing your vision. With an open flow of information between our service division and our engineers, our projects don't just look good on paper, they perform as planned within your specific environment.

Design-Build: Simply put, California Waters is the design-build expert. Project coordination becomes a breeze. Plans are prepared correctly, and communication is seamless. One entity, one contract, one streamlined flow of work from initial concept through completion. Our integrated team will deliver a project faster, more cost effectively and with fewer change orders and RFI's, saving you time, money and headaches. Count on us to deliver quality and execute on all fronts.





DESIGN & CONSTRUCTION MANAGEMENT

Mark Pitman - Design, Engineering and Construction

Mark Pitman is President of California Waters' Design, Engineering and Construction Division. In addition to the wealth of knowledge and experience he brings to address the complexities of working with water, Pitman provides over ten years of business, operations, and construction industry leadership and executive management experience. In addition to overall design, engineering and construction oversight, Pitman oversees project estimating, team training, production processes, quality control initiatives and safety programs in the field. Pitman's pool portfolio includes projects throughout California. His most recent pool projects are:

Paul Morelli - Design/Engineering Manager

Paul Morelli applies more than 20 years of experience in the design and engineering of commercial splash pads, pools, spas and water features to every project he undertakes. Morelli joined California Waters in 2014. Most recently, Paul designed The Baker Block luxury apartment complex, one of the first multi-family developments to be built in Costa Mesa in over 10 years. Another project, Axis on Eleventh and Axis on Twelfth, brings the best of downtown Los Angeles to their residents' doorstep. A highlight of the new community's state of the art amenities is the elegant outdoor rooftop pool on one building and rooftop spa on the other. Morelli's expertise in designing podium pools was a key contributor to the project's success. Morelli blends his expertise in mechanical and structural engineering with a passion for creative architectural design. The results are beautiful, functional and structurally commercial pools and water features that inspire confidence as well as awe.

Mike Cuicchi - Senior Project Manager

With over 25 years of design, engineering and project management expertise in the specialty construction of commercial pools, splash pads and water features, Mike Cuicchi brings a wealth of knowledge and experience to address the complexities of working with water. Cuicchi joined California Waters in 2012 overseeing projects from Pechanga Resort & Casino to St. Matthew's 25M rimflow competition pool. Car's Land, at Disney California Adventure is Cuicchi's most notable project where he supervised the team constructing the 12-acre area while with Keenan Hopkins Suder & Stowell. Many of his commercial pool and water feature design/build projects undertaken during his time with STO Design Group continue to be enjoyed in hotels throughout California, Nevada and around the world. All in, Cuicchi's personal portfolio includes designing and building projects totaling more than \$250 million dollars.



Project List

Veterans Sports Park: Tustin, CA



- Project Reference: Mitch Ward, 626.454.5222
mward@laeng.net

- Year Completed: 2020
- Scope of Work: Design, Engineering & Construction
- Owner/Client Name: City of Tustin/Los Angeles Engineering
- Project Description: Something for all ages, this newest addition to the development of Tustin Legacy, the spray park includes both ground sprays and multiple toys for resident enjoyment
- Project Size: 805 sf
- Cost: \$451,375

Cambria Hotel & Suites: Anaheim, CA



- Project Reference: Erick Kissmer, Davis Reed Construction 858.523.9760 • ekissner@davisreedinc.com

- Year Completed: 2020
- Scope of Work: Construction
- Owner/Client Name: Davis Reed Construction
- Project Description: Welcoming guests into the center of the action around Disneyland, this 30,000 ft² fun-filled Water Park includes a 1,364 ft² skimmer pool with a 314 ft² hydrotherapy spa, 765 ft² spray ground wet play area, and a 20' tall double-slide tower
- Project Size: 765 sf
- Cost: \$1,496,900

Chukchansi Park: Fresno, CA



- Project Reference: Tom Noonan, 559.320.2520
noonan.tom18@gmail.com

- Year Completed: 2019
- Scope of Work: Design, Engineering & Construction
- Owner/Client Name: Fresno Sports & Events, LLC
- Project Description: Turnkey design, engineering, and construction of a custom splash pad with baseball-themed water-play toys (provided by others), two showers, 10' retaining wall and concrete deck-work. Renovation within the minor league AAA baseball stadium for MEP, ancillary requirements and splash pad installation were all accomplished within a very tight, nine-week window.
- Project Size: 2,086 sf
- Cost: \$749,590

Valencia Park: Fullerton, CA



- Project Reference: Kevin Kwak, 714.738.6845
kevinkw@ci.fullerton.ca.us

- Year Completed: 2019
- Scope of Work: Design, Engineering & Renovation
- Owner/Client Name: City of Fullerton
- Project Description: Upgrades to the popular Fullerton park attraction included the design and construction of a new re-circulation system, new equipment structure bringing the water play environment up to code. California Waters completed the renovation in under two months, shaving 40 days off the standard renovation time-line for a project of similar scope. Every effort was made to keep the park accessible to families during construction.
- Size of the project: 987 sf
- Cost: \$297,180

The Splash Zone, Lake Skinner: Temecula, CA



- Project Reference: Yun Baird, 800.234.7275
ybaird@rivcoparks.org

- Year Completed: 2017
- Scope of Work: Design, Engineering & Renovation
- Owner/Client Name: Riverside County Regional Park & Open Space District
- Project Description: The original Lake Skinner Splash Zone consisted of two splash pad zones connected by a walking path. One spray park encompassed a giant flower garden of water spouts while the other featured a huge water faucet with numerous water-shooting geysers. California Waters rehabilitated the six-year-old splash pad by installing a new surge tank, mechanical filtration system, and UV disinfection system, bringing both projects up to code for summertime fun. Four new toys were added and the existing water toys were removed, refurbished and reinstalled to maximize useful life.
- Project Size: 2,290 sf
- Cost: \$324,543

The Wave Waterpark: Vista, CA



- Project Reference: Therron Dieckmann, 760.643.5261
tdieckmann@cityofvista.com

- Year Completed: 2017
- Scope of Work: Design, Engineering & Construction
- Owner/Client Name: City of Vista
- Project Description: Park renovation efforts focused on creating a more modern entertainment venue for the community. California Waters demolished the original play structure, making way for a new splash pad specifically designed for kids 48" tall and under. Park visitors are treated to a unique variety of interactive water toys including multiple spray tunnels, soakers, ground sprays and crowd-favorite dump buckets. Behind the scenes a new mechanical system with UV sterilization was also installed.
- Project Size: 3,700 sf
- Cost: \$477,285

Project List

Ridgeline Park: Corona, CA



- Project Reference: Peter Ramey, 909.855.1720
peter.ramey@coronaca.gov

- Year Completed: 2017
- Scope of Work: Engineering & Construction
- Owner/Client Name: City of Corona
- Project Description: Ridgeline Park splash pad has quickly become an activity hub for families in the Corona community. With only a 10-week construction window, coordination was key to meeting the City's tight construction deadline. In addition to the splash pad design and construction, California Waters' project scope included an equipment structure, hardscape paving and lighting. Restrooms, outdoor showers, shade structures and a landscaped picnic area complete with fountains and picnic tables were also added.
- Project Size: 1,963 sf
- Cost: \$817,069

Stylus Park: Chula Vista, CA



- Project Reference: Todd Galarneau, 619.787.6802
tgalarneau@meridiandevlopment.com

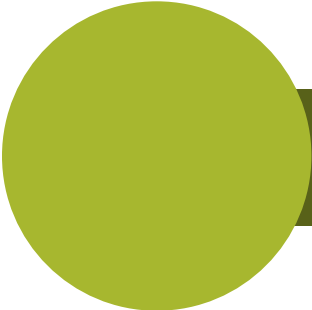
- Year Completed: 2016
- Scope of Work: Design, Engineering & Construction
- Owner/Client Name: Meridian Development Group
- Project Description: An extremely unusual feature for splash pads, the Stylus Park interactive splash pad is available to the public both day and evening due to the inclusion of multi-colored LED lighting. The 16 LED lights change colors and are programmed for choreography through a show controller to create special effects that enhance the mushroom jets. California Waters designed the motor control center and LED light panel systems to connect into the City's integrated building management system, allowing City personnel to control the splash pad remotely.
- Project Size: 1,498 sf
- Cost: \$434,676

Margarita Park: Temecula, CA



- Project Reference: Ali Bermanian, 760.599.7355
ab@pacificplayinc.com

- Year Completed: 2014
- Scope of Work: Engineering & Construction
- Owner/Client Name: City of Temecula
- Project Description: California Waters spearheaded the engineering, construction and commissioning of the first splash pad in California designed specifically for children with special needs, in partnership with project designer, Pacific Play Systems. The 45' diameter splash pad includes multi-featured play equipment, popcorn jets, upstream jets and an activation ballard that senses when a child enters the zone. It also includes touch sensors that activate a rain tree, and foot sensors which activate a ground-level keyboard, sending sound and water up the keyboard pipes. The chemical system includes both UV sterilization as well as traditional chlorine and acid.
- Project Size: 2,478 sf



Subconsultant

VISUAL CONCEPTS LIGHTING, INC.



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Ken Perez Sr., IESNA & ITE	13. ROLE IN THIS CONTRACT Lighting and Electrical Engineering	14. YEARS EXPERIENCE	
		a. TOTAL 26	b. WITH CURRENT FIRM 18

15. FIRM NAME AND LOCATION *(City and State)*

Visual Concepts, Inc.

16. EDUCATION *(Degree and Specialization)*

17. CURRENT PROFESSIONAL REGISTRATION *(State and Discipline)*

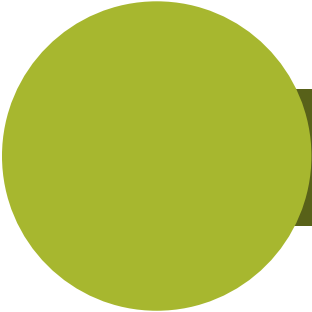
Certificate of Completion, DDC controls, UCSD, City, CA.
 Certificate of Completion, Electrician, San Diego City College, CA.
 Certificate of Completion, National Electrical Code, Mesa College
 On-going classes in lighting fundamental, applications, Title-24 and UBC, NEC, CEC.
 AGI-32 by Lighting Analysts-Lighting Calculations Programs

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

Ken has been in the electrical field for more than 37 years with experience in both construction as well as electrical engineering design. For the last 22 years, he has been working on the engineering side of the industry with an emphasis in lighting design. His actual field experience has given him a tremendous edge over his competition in that he knows firsthand HOW an electrical system is installed, which he is then able to more clearly translate this to the design documents. This approach has enabled him to keep costly change orders down to a minimum for his client's benefit. He has continued his knowledge in lighting fundamentals and electrical engineering by staying active with on-going classes in his field of expertise. Ken's experience has caught the attention of many municipal agencies and has been called upon to offer expert advice on lighting ordinances as well as lighting design guide criteria. He also serves as a lighting judge for certain venues and teaches outdoor Lighting Fundamentals for the San Diego chapter of the IESNA.

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
a.	Harvest Park, Valley Center, CA	2014 – Present	2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the site lighting and electrical design including construction documents and construction administration for the County of San Diego public park.		
b.	Sports Ranch at Sommers Bend, Temecula, CA	2017-Present	2022
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the site lighting and electrical design including construction documents and construction administration for the 19.7-acre City of Temecula Public Park, Park and Ride / Trailhead, and Street Improvement Lighting Plans.		
c.	Santa Rosa Plateau Ecological Reserve Visitor Center Improvement Project, Murrieta, CA	2009	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the site lighting and electrical design including construction documents and construction administration for the 10-acre visitor center within the 9,000-acre reserve. The project included design for an interpretive trail, five demonstration native plant communities, entry improvements, monument signage, interpretive/ educational features, covered presentation stage/ platform, event deck, and parking		
d.	The Griffin Club, La Quinta, CA	2014	2014
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the site lighting and electrical design including construction documents and construction administration for the 6.4-acre, \$5 million recreation center.		
e.	Hollandia Park, Sunset Park, Buelow Park - City of San Marcos, CA		
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Responsible for the site lighting and electrical design of two 30-acre sports parks and one 22-acre neighborhood park.		



Subconsultant

UTILITY SPECIALISTS SOUTHWEST, INC.



TONY L. NISSEN, PRINCIPAL

Education

*In Progress,
Bachelors of Arts
in Business
Management from
the University of
Phoenix*

Affiliations

BIA SC

BIA Riverside

*BIA RIV
Membership
Committee*

References (#)

*Geoff Smith,
Lennar Homes
(951) 817-3517*

*Trent Heiner,
Woodside Homes.
(951) 710-1900*

Tony brings a wide range of project & construction management skills to all the projects he is associated with. Tony is responsible for the management and coordination of Utility Specialists Inland Empire Divisions project management team as well client relations and business development. Tony relies on his 30 plus years in the construction industry to assist him in carefully managing each project from cradle to grave. With his understanding of construction techniques & dry utility design infrastructure he can assist the design team in addressing potential conflicts early in the design phase in order to alleviate construction related issues in the future. Tony's project management and construction management skills assist him in assuring a smooth project completion.

Specific Responsibilities

Tony's responsibilities include oversight of corporate policies and procedures and management of the Inland Empire staff including dry utility planning, coordination, and project management. Preparation of dry utility designs, conflict mitigation, field verification and contractor bid package preparation and reconciliation are also tasks included within his scope of responsibility.

Project Experience (within the past five years)

Lennar Homes; Shadow Rock Sports Park; Jurupa Valley: Shadow Rock Sports Park is a 51-acre park in Jurupa Valley, Ca. The park consisted of 2 full size baseball fields, 1 soccer field; all equip with Musco lighting; picnic area, plaza area, jogging paths, restroom facilities & a dog park. We provided all dry utility design management and coordination efforts.

Woodside Homes; Sommers Bend Sport Park; Temecula: Sommers Bend Sports Park is a 19-acre park in Temecula, Ca. The park consisted of 2 full size baseball fields, 2 soccer fields, 2 basketball courts; all equip with Musco lighting; concession building, plaza area, restroom facilities & playgrounds. We provided all dry utility design management and coordination efforts.

Lennar Homes; Holland Park; Menifee: Holland Park is an 18-acre park in Menifee, Ca. The park consisted of 3 full size baseball fields, 1 soccer field; all equip with Musco lighting; picnic area, restroom facilities & a playground. We provided all dry utility design management and coordination efforts.

DANNY MERK, PROJECT MANAGER

Education

*In Progress,
Associates of Arts
degree from the
San Jacinto
Community College*

Affiliations

BIA SC

BIA Riverside

*BIA RIV
Membership
Committee*

References (#)

*Geoff Smith,
Lennar Homes
(951) 817-3517*

*Trent Heiner,
Woodside Homes.
(951) 710-1900*

Danny has 6 years of project management experience with Utility Specialists. He has significant experience in dry utility feasibility studies, conflict identification and resolution as well dry utility design. Danny has been involved in managing multiple small and large park design and coordination or the past 6 years. His responsibilities include design management coordination, relocation coordination for major electric, telephone, catv and gas facilities to allow for the proposed improvements relating to the new developments he has managed.

Specific Responsibilities

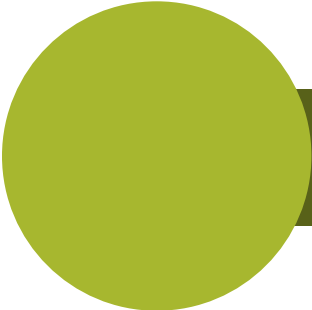
Dann's responsibilities include day to day design management and project coordination efforts between the client, civil engineers, landscape architects, dry utility project managers and planners to ensure his projects are completed on time.

Project Experience (within the past five years)

Lennar Homes; Shadow Rock Sports Park; Jurupa Valley: Shadow Rock Sports Park is a 51-acre park in Jurupa Valley, Ca. The park consisted of 2 full size baseball fields, 1 soccer field; all equip with Musco lighting; picnic area, plaza area, jogging paths, restroom facilities & a dog park. We provided all dry utility design management and coordination efforts.

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Subconsultant

LEIGHTON CONSULTING, INC.





Leighton Consulting, Inc.

A Leighton Group Company

Firm Bio for Leighton

Leighton Consulting, Inc. (Leighton) is an award-winning geotechnical engineering firm recognized by Engineering News-Record (ENR) as a 2021 Top Design Firm with a 60-year legacy of specializing in geotechnical engineering, environmental consulting, soils observation and testing, and materials testing and special inspection. We have a workforce of 185 team members and nine office locations across southern California, including Rancho Cucamonga and Victorville. Many of Leighton's experts of geotechnical engineers and engineering geologists have over 20 years of experience providing geotechnical design and construction recommendations for public works projects possess in-depth knowledge with applicable standards and requirements of the City of Yucaipa, the Standard Plans for Public Works Construction (Greenbook), California Geological Survey (CGS), Title 24 of the California Building Code (CBC), Division of the State Architect (DSA), and Caltrans.

Our full-service geotechnical engineering services are complemented by our three in-house soils testing laboratories accredited by AASHTO, Caltrans, DSA, and the US Army Corps of Engineers to ensure for high quality performance of test methods and results, supporting our ability to provide geotechnical analysis, engineering and design solutions integral to project approval and sustainability for future generations.

Jason Hertzberg, PE, GE

Principal Engineer

Education

- MS, Civil Engineering, with specialization in Geotechnical Engineering, California State University, Long Beach - 2004
- BS, Civil Engineering, California State Polytechnic University, Pomona - 1997

Professional Registrations

- CA - Geotechnical Engineer - 2711
- CA - Civil Engineer - 61778

Certifications

- CPR AED First Aid

Professional Summary

Jason has a comprehensive understanding of the design and construction process, and the civil and geotechnical aspects of projects related to public infrastructure and facilities. For more than 24 years, he has provided public agencies throughout San Bernardino and Riverside counties with expert geotechnical engineering and consulting services for local streets and highways, storm drain lines, potable and recycled water pipelines, open spaces such as parks and nature reserves, schools, civic buildings, and essential facilities. His expertise includes geotechnical site investigations, shallow and deep foundation design, buttress and structural landslide mitigation, seismic hazard evaluations and mitigation design, grading control, ground improvement, pavement design, and forensic evaluations.

Project Experience

Beaumont Avenue Recharge Basin, Beaumont, CA. Project Geotechnical Engineer during the subsurface exploration and infiltration testing of a proposed recharge/infiltration basin at the southwest corner of Beaumont Avenue and Brookside Avenue to determine the suitability of the site for use as a recharge basin prior to the design phase. Conducted engineering analysis and evaluation and provided preliminary estimates of the soil's infiltration rate. After the design phase, which included the design of five basins, Jason provided an updated and final report for geotechnical design recommendations addressing seepage, soils expansion, seismic hazards, slope stability, over-excavation, slope replacement and reconstruction, reconstruction of berms over PVS water pipes, fill and compaction and retaining wall. The Beaumont Avenue Recharge Facility was designed to enable San Gorgonio Pass Water Agency to import more water in wet years and store in local groundwater basins for recharge of groundwater aquifers. The 52-acre site has five large ponds with pipeline connections to the new East Branch Extension.

Beaumont High School Stadium and District Office, Beaumont, CA. Project Manager responsible for delivery of a geologic hazards evaluation and geotechnical exploration for design. Site conditions included the presence of faulting within the property bounds and the presence of a 30-foot-deep gravel pit on the eastern portion of the property. Undocumented fill was further explored with trenching to limit its impact on the construction schedule. Combining construction of a new stadium with district offices would provide economies to the budget and all district staff would be under one roof. The site, adjacent to the District's high school, was an open field.

Tournament Hills Elementary School Parking Lot, Beaumont, CA. Project Manager for the geotechnical investigation of the proposed parking lot at this existing elementary school. Managed the geotechnical exploration to evaluate the existing subgrade conditions and provide pavement design recommendations for the new parking lot, taking into consideration the existing playfield drainage toward a drainage inlet structure. The new asphalt-paved parking structure added 46 parking stalls. The project required cuts of 2 to 3 feet to reach finish grade for the proposed new driveway as well as placement of up to 5 feet of fill for the remainder of the lot.

Lytle Creek K-8 School and Park, Lytle Creek, CA. Project Manager for geotechnical exploration for a new, K-8 school, joint-use park, and school playfields. Field investigation for the school consisted of excavating, logging and sampling 25 exploratory test pits and conducting percolation testing throughout the site. The primary geotechnical concern for this site was the presence of oversize rock.

Crafton Hills College, Parking, Access and Lighting Improvements, Yucaipa, CA. Project Manager + Geotechnical Engineer. Provided geotechnical design services the proposed improvements and construction of ADA accessible ramps from the parking lots into the building areas within the central portion of campus. Of particular note, the proposed ramps from the southeast corners of Lots C and E will include construction of low retaining walls. Other improvements include modification to existing stairs, a new set of stairs from Lot E, new parking lot lighting, parking lot pavement repair/replacement, modification of parking lot entrances, and landscaping.

Azusa Pacific University West Campus Munson and Bavougian Tennis Complex and Soccer Light Standards, Azusa, CA. Project Manager + Geotechnical Engineer. Managed a geotechnical investigation involving three test pits for the subsurface exploration, analyzed and evaluated subsurface conditions, and provided geotechnical design recommendations for subgrade soils and slab-on-grade concrete to mitigate expansive and compressible soils of the proposed court area, and foundation recommendations for light standards. The project constructed an 8-court tennis complex located next to the existing soccer and softball fields and installed four 85-foot-tall light standards for the soccer field constructed on caisson (pier) foundations.

On Call Geologic and Geotechnical Consultant, San Bernardino, CA. Project Manager responsible for all task orders, including budget, schedules, and deliverables. This contract with San Bernardino County Special Districts includes geotechnical engineering, soils observation and testing and materials inspection and testing. Projects have been distributed throughout the County from the High Desert to Big Bear, Bloomington, and Needles. During his tenure the contract has been uninterrupted for more than 12 years, projects have included capital improvements such as water and sewer pipelines, improvements at county parks, and other utility upgrades: Big Bear Alpine Zoo Improvements; Calico Regional Park Sewer Improvements; Gilbert Juvenile Hall Waterline Replacement; Spring Valley District Huerta Reservoir; Valley Boulevard Sewer Improvements; Lytle Creek North WRP Sludge Drying Beds; and Muscoy Fire Station are some examples.

As-Needed Geotechnical and Materials Testing, Yucaipa, CA. Project Manager responsible for all task orders, including budget, schedules, and deliverables. This contract with the City of Yucaipa includes geotechnical engineering, soils observation and testing and materials inspection and testing. Projects throughout the City included capital improvements such as pavement rehabilitation, widening and beautification of streets, improvements at parks, storm drains, and the wildwood basin. Leighton has provided geotechnical testing for 17 projects under several contract terms.

Luis Perez-Milicua, PE

Task Manager, Senior Project Engineer

Education

- BS, Civil Engineering, University of Texas, San Antonio - 2012

Professional Registrations

- CA - Civil Engineer - 89389

Professional Summary

Luis has 9 years of geotechnical engineering experience in California and Texas. Luis' experience includes forensic analysis of disturbed foundations and expansive soils, geotechnical investigations for public infrastructure, including public works, K-12 schools, transportation, water works, and power generation, as well as new commercial, industrial, and residential developments. His expertise includes pavement and foundation design, mechanically stabilized earth walls, slope stability analyses, and embankment settlement analyses. As a project manager, Luis coordinates with engineering staff on all facets of geotechnical projects, including project planning and execution, engineering analysis, report and proposal writing, field and laboratory program development, project budgeting and invoicing, and client interaction.

Project Experience

Seneca Springs Lift Station, Beaumont, CA. Project Manager of a geotechnical subsurface exploration for the existing Seneca Springs Lift station located at the "T" intersection of Potrero and Seneca Springs Boulevard to evaluate geotechnical subsurface conditions onsite and to identify cause and mitigation options for damaging ground movement observed at the surface. The lift station was experiencing distress presumably from settlement of supporting soils. With the investigation revealed loose soil at the site. Calculated potential settlement based on subsurface data, tested several hypotheses and the resulting geotechnical distress diagnoses, and provided geotechnical recommendations to several mitigation options available to the client.

Proposed Beaumont Distribution Center, Beaumont, CA. Project Engineer during the due diligence review of the proposed Beaumont Distribution Center to be located at the future eastern terminus of 4th Street, south of the SR-60. Studied the site's geotechnical conditions, reviewed in-house data, available maps and historic aerial photographs of the site from 1966 to 2018, reviewed reports prepared by other consultants, and identified significant geotechnical constraints followed by contributing to the report preparation, summarizing findings and preliminary geotechnical conclusions and recommendations.

Lakeview Elementary School Playground Shade Structure, Santa Fe Springs, CA. Project Manager of a geotechnical investigation for the proposed playground area shade structure. This investigation involved one hand-auger boring combined with data from a previous geotechnical investigation that was performed onsite just 200 feet away. Identified that the main geotechnical issue to be seismic hazards and the presence of near-surface compressible soil. Recommendations were provided for drilled cast-in-place concrete piers to support the shade structures.

Lakeview Elementary School Walkway Shade Structure, Santa Fe Springs, CA. Project Manager of a geotechnical investigation for the proposed shade structure at Lakeview Elementary School. Managed the field exploration activities involving one hollow-stem auger boring to a depth of 50 feet below ground surface, a California ring-lined sampler, and a Standard Penetration Test split-spoon sampler. Evaluated the site subsurface conditions and prepared the geotechnical report with recommendations for drilled pier or shallow footing foundations. The shade structure is designed to be 12 to 15 feet above existing ground for an existing walkway connected to classrooms and adjacent to an existing multi-purpose building.

Various Schools, Riverside Unified School District, Riverside, CA. Project Engineer for geotechnical investigation addressing the geologic setting, earth materials, groundwater, seismicity, liquefaction susceptibility, and foundation selection for various school improvement projects. Projects primarily included building, pavement, and infiltration system additions.

Fire Station No. 172, Rancho Cucamonga, CA. Project Engineer for geotechnical evaluation of the proposed fire station replacement. This evaluation included subsurface exploration; review of available pertinent maps, reports, and aerial photographs; laboratory testing; geotechnical analysis of collected data and providing geotechnical recommendations for design and construction. The project constructs a new 16,274-square-foot public safety facility which will be the new home to Fire Station No. 172 and will also include a police substation, fuel island, carport canopy, site improvements, onsite and offsite underground utilities, and an alternate 4,297 square feet detached storage garage. The project site is approximately 2.4 acres.

Fire Station No. 2, Manhattan Beach, CA. Project Engineer for geotechnical investigation addressing the geologic setting, earth materials, groundwater, seismicity, liquefaction susceptibility, and foundation selection. The investigation was performed for a proposed 16,500 SF fire station building and associated concrete flatwork and drives. Recommendations included shallow foundation design parameters and a pavement evaluation for rigid pavement.

Pavement Rehabilitation, Magnolia Ave., Riverside, CA. Project Engineer overseeing geotechnical testing of asphalt, base material, and PCC testing per Caltrans test methods. Project documentation met federal highway audit standards. The project will widen within the existing median to create an additional traffic lane on both directions of the 2.8-mile segment, and cold mill and overlay existing lanes. Other improvements include traffic signal, striping, signing, storm drain, electric, telecommunication, landscape, and irrigation modifications as well as replacement of existing concrete sidewalk, curb, gutter, and pedestrian ramp repairs as needed.

Street Overlay and Reconstruction Projects A and B, Rialto, CA. Project Engineer for geotechnical and pavement exploration on existing roadways to provide pavement design recommendations for each roadway segment based on existing pavement conditions, geotechnical data, traffic index, and desired performance level. This project consisted of designing pavement rehabilitation consisting of street overlays or full depth reconstruction for approximately 29 miles of arterial, collector, and local streets in the City of Rialto. The field exploration program included performing 136 geotechnical borings throughout the project streets and performing pavement condition index checks. Provided various pavement rehabilitation options including Mill and Overlay, Full Depth Reclamation (FDR), Cold Central Plant Recycled Asphalt (CCPR), and Cold In-Place Recycled Asphalt (CIR). Consideration was provided for use of rubberized asphalt and asphalt rubberized aggregate membrane.

Steven Okubo, PG, CEG

Senior Project Geologist

Education

- MS, Geology, University of California, Los Angeles - 2014
- BS, Geology, California State University, Fullerton - 2008

Professional Registrations

- CA - Engineering Geologist - 2706
- CA - Geologist - 9366

Certifications

- CFR 1910.120 OSHA 40-Hour Training
- CFR 1910.120 OSHA 8-Hour Refresher Training
- CPR AED First Aid

Professional Summary

Steve's 20 years of experience extends across a variety of geological and geotechnical issues for public works infrastructure, commercial and residential development, civic buildings and schools. He has extensive experience conducting geotechnical investigations, which include geologic field mapping; logging (both at the surface as well as down-hole) and sampling of boreholes, test pits, and trenches; aerial photograph analysis; investigating site histories; developing laboratory testing programs; interpreting tectonic geomorphology and surface processes; and providing conclusions and recommendations for geotechnical issues. These geotechnical issues include seismic hazards, slope stability, subdrain system design, fill settlement, pavement section design, retaining wall construction parameters, and foundation recommendations. He also has experience in forensic investigations as it relates to geological and geotechnical issues including residential and commercial building distress, landsliding, flood hazards, and earthquake damage.

Project Experience

Four Seasons at Beaumont, Beaumont, CA. Project Geologist for updating the geotechnical recommendations for rough grading Phases D2 (Tract 33096-5), E1 (Tract 33096-12), and E2 (Tract 33096-13). Updated recommendations include remedial removals, slope stability, materials suitability, and other grading issues. Onsite geotechnical tasks include observing grading operations, mapping the surface of exposed geology, providing recommendations for remedial removals and overexcavation based on field observations, and other grading issues. Also served as a Project Manager for Phase E2 of rough grading.

Regional Soccer Park, Colton, CA. Project Manager responsible for the geological and geotechnical review as part of a CEQA IS/MND developed for a proposed 37-acre regional soccer park. The site included stockpiled soils and debris from a former landfill and a portion of the site was located within a floodplain of the Santa Ana River. Geologic and geotechnical constraints to the site included seismic ground shaking, liquefaction, and compressible soils.

Fontana North and South Walmart Project, Fontana, CA. Project Manager for the geotechnical due diligence review of a 27-acre site (North site) planned for commercial development, specifically a 193,879-square-foot Walmart, including parking, landscaping, and sidewalk improvements. The South site is a 22-

acre site planned a 193,795-square-foot Walmart, including a fuel station and associated parking, landscaping, and sidewalk improvements. Mr. Okubo studied the geotechnical conditions at the both sites to identify significant geotechnical constraints to site development and confirm feasibility from a geotechnical standpoint. Scope of work include reviewing available aerial photographs and maps and existing geotechnical reports, site reconnaissance, and evaluation and report preparation.

John Adams Elementary School, Corona, CA. Project Geologist for a geotechnical study for the proposed construction of a new multi-purpose building with an attached food service building and terrace, a classroom building, a kindergarten building, and other associated improvements. The purpose of this investigation was to explore the subsurface conditions, evaluate the geologic and geotechnical conditions with respect to the proposed modular buildings, and provide preliminary recommendations for design and construction. Geotechnical issues pertaining to this modernization project included potentially compressible soils and strong seismic shaking. The subsurface exploration to address the geotechnical issues included drilling, logging, and sampling five hollow-stem-auger borings. Additionally, the site was located within a State-designated Earthquake Fault Zone related to the Chino Fault. Explored and evaluated this geologic constraint to the project by conducting a fault investigation. The purpose of the fault investigation was to identify and active fault ruptures through the area of the school modernization. The fault investigation required the excavation and logging of two trenches (one approximately 250 feet long and 12 feet deep, and the other approximately 50 feet long and 16 feet deep), three continuous core boreholes, and a large diameter boring. Based on the collected geologic data, conclusions were made to determine the existence or absence of active faulting related to the Chino Fault through the project site.

Fire Station No. 172, Rancho Cucamonga, CA. Project Manager for a geotechnical evaluation of the proposed fire station replacement. This evaluation included subsurface exploration; review of available pertinent maps, reports, and aerial photographs; laboratory testing; geotechnical analysis of collected data, and providing geotechnical recommendations for design and construction The project constructs a new 16,274-square-foot public safety facility which will be the new home to Fire Station No. 172 and will also include a police substation, fuel island, carport canopy, site improvements, onsite and offsite underground utilities, and an alternate 4,297 square feet detached storage garage. The project site is approximately 2.4 acres.

City of Rancho Cucamonga Public Works Service Center Southwestern Warehouse, Rancho Cucamonga, CA. Project Manager for the geotechnical exploration of a proposed warehouse at the Rancho Cucamonga Public Works Service Center. This study included drilling, logging, and sampling two hollow-stem auger borings and infiltration testing at one location. The purpose of this study was to provide site-specific geotechnical recommendations for the design and construction of the proposed warehouse.

City Street Seepage Evaluation, Diamond Bar, CA. Project Geologist for drainage study at 10 sites within city. Conducted site visits to document existing conditions, collected soil samples by hand auger. Noticeable problems included seeping from the asphalt pavement, and toe of slopes. Developed recommendations for mitigation.

City of Pomona District 3 Street Rehabilitation, Pomona CA. Project Geologist for the geotechnical exploration for the rehabilitation of selected street and alleyways in District 3 of the City of Pomona. This project included coring existing asphalt and drilling hollow-stem auger borings to observe the conditions of the pavement in selected areas, as well as to observe the conditions of the subgrade beneath the pavement section. The purpose of this study was to provide geotechnical recommendations for the pavement reconstruction and alleyway construction for the areas explored.