

P.O. Box 130
Morgan Hill, California 95038-0130

Cell (408) 640-7740
paolob@aquatictechnology.com

CAREER SUMMARY

Industry expert with a 30+ year track record of successfully managing & delivering high value commercial and residential construction projects from concept to completion, on-schedule and under-budget. Possesses an extensive post-graduate education, an excellent knowledge of construction practices, material science, codes and regulations. Willing to relocate/travel for Domestic or International projects – direct contract or owner’s representative. Prior Top Secret Security Clearance.

EDUCATION

Bachelor of Science - Business Management - San Jose State University (1992)
Certificated Program – National Swimming Pool Foundation- Society of Watershape Designers – Certified Master (2005)
International Watershape Institute - Credentialed Professional/Design/Build Expert (2019)
General Contractor, Pool Contractor, Aquatic Designer & Consultant, Owner’s Representative, Expert Witness

EXPERIENCE

- 7/2016 – Present Luxury Environments (Lux Environs), Morgan Hill, California
President
- Owner’s representative services for high end luxury residential real estate development.
 - Represent high net worth individuals through property acquisition, design phases, construction document development, contractor/vendor vetting and selection, permitting.
 - Provide construction documentation, quality assurance inspections and contractor performance validation.
 - Project close out and punch list inspections, project acceptance and commissioning.
- 12/1993 – Present Aquatic Technology Pool & Spa, Morgan Hill, California
Founder, Principal & Designer
- Founded this internationally recognized design & build firm that specializes in complex hillside and architecturally integrated swimming pools and watershapes.
 - Sat on the board that writes & edits the contractors licensing exams for the California State Contractors License Board and has been designated by the CSLB as “Subject Matter Expert.”
 - Educator and Instructor at International Design & Construction Schools, Industry Trade Shows & Seminars.
 - Inventor and pioneer of many new and innovative aquatic designs and techniques.
 - Conceived, designed & constructed a number of “world’s firsts” in the field of aquatic design, flawlessly integrating multiple complex techniques & technologies.
 - Frequently featured in international publications, newspapers & television (170+), often quoted & resourced by consumer publications, technical and trade journals.
- 1980-1993 Executive Protection Services, Los Gatos, California
Partner, Security Consultant, Alarm/Access Control/CCTV Systems Designer & Installer
- Specialized in threat analysis and protection of high risk individuals and assets.
 - Analyzed security threats, assessed lifestyle patterns and formulated plans to mitigate risks.
 - Designed and specified interior & exterior intrusion and fire detection systems, safe rooms and vaults.
 - Managed the installation of security systems, access control, CCTV, PBX telephones and local area networks (LAN, WAN, intercom, music).
- 1982-1993 Law Enforcement Career
- 1982-1989 San Jose Police Department, San Jose, CA - Police Officer:
- Patrol Officer: respond to calls for service, proactive enforcement of laws, court testimony, field training officer.
 - Detective – Narcotics: Covert and overt enforcement of state narcotics laws, clandestine laboratory response team, surveillance, court certified expert witness in all facets of drugs (processing, manufacture, physiology, etc.).
- 1989-1993 US Department of Justice, Drug Enforcement Administration, San Jose, CA – Task Force Agent:
- Undercover and overt enforcement of federal and state drug laws, investigation of illicit drug manufacturing laboratories, international trafficking and smuggling, money laundering, asset forfeiture, RICO/CCE investigations, wiretaps, secured and executed arrest and search warrants, provide court and expert witness testimony, member clandestine drug lab response team.

BREADTH OF SWIMMING POOL CONSTRUCTION & PROJECT MANAGEMENT EXPERIENCE

- Successfully designed/built, commercial & residential aquatic projects, including confidential projects for publicity shy and security conscience clients, in excess of \$5M.
- Performed international and domestic project design, consulting, construction management and quality assurance.
- Interviewed clientele to ascertain & understand their desires, lifestyle, budget & time constraints.
- Generated initial project designs, conceptual, elevation & cross-sectional drawings.
- Drew measured perspective drawings & architectural renderings, and presented them to clients for their approval.
- Developed design details to conceal obtrusive apparatus & fixtures.
- Designed various project related plumbing, electrical, mechanical, and hydraulic system details.
- Calculated hydraulic performance (fluid dynamics) to ensure compliance with federal, state & local codes and standards [flow rates, line velocities, total dynamic head, pipe sizes, equipment & pump specifications].
- Drafted scaled plans for conversion into CAD.
- Authored project construction and installation procedures and specification documents.
- Designed & supervised the installation of complex outdoor living environments (kitchens, fireplaces, pizza ovens); inter-active, automated & robotic water features & fountains; theatrical, landscape & security lighting (high & low voltage, DMX); outdoor sound systems & special effects (visual & auditory).
- Specified and defined sanitization systems to meet the client & project needs – ozone, UV, salt chlorination, ionization, ORP/pH, and alternative sanitizers.
- Defined material performance specifications, globally sourced unique materials (e.g. custom architectural elements, stone, tiles), performed material testing to ensure suitability, and verified that delivered materials were in compliance with the project's performance objectives.
- Coordinated with material vendors, manufacturers, and artisans to ensure their compliance with project design specifications, budgetary parameters and delivery schedules.
- Verified that plans from outside sources were in compliance with local building codes, national standards, industry workmanship standards & installation practices (IBC/IRC, ACI/ASA, TCNA, ANSI, IAPMO, etc.)
- Reviewed plans & specifications to assure that they were in compliance with various Federal, State and local building codes and ordinances, industry guidelines & workmanship standards, and project specifications.
- Calculated electrical loads for equipment rooms and facilities, specified panel, conductor and breaker sizes.
- Designated, designed & managed the integration of solar photovoltaic, fuel cells, geo-thermal and radiant heating systems into aquatic facilities to reduce reoccurring energy costs.
- Produced 3 dimensional equipment room layouts, plumbing & electrical schematics to ensure the efficient use of space and maintenance accessibility.
- Formulated the criteria for & managed the installation of automated controls, to ensure seamless integration with existing or proposed site automation & security systems (Lutron, Crestron, Homeworks, HVAC, LAN, etc.).
- Negotiated contracts, defined contract terms and payment schedules. Prepared contracts for execution, coordinated subcontractor agreements, insurance coverage's and certificates, prepared and tracked lien releases.
- Approved product samples and mock-ups, imported and tracked the production and shipments of unique and rare materials from overseas, ensured timely customs clearances and site delivery.
- Managed projects on-site to maintain quality workmanship, construction budgets & schedules, jobsite safety (CAL-OSHA), cleanliness & order and delivered bi-weekly safety briefings with field staff & subcontractors.
- Monitored subcontractor's work to verify installation as per plans and specifications and according to project objectives and schedules.
- Managed and supervised complex hillside excavation, grading, terracing, drilling, shoring, benching, tiebacks, engineered fill, and drainage & erosion control measures.
- Directed the construction of intricate concrete structures that incorporated subterranean rooms, spread & trench footings, driven piles, stepped footings, grade beams, micro-piles, helical piers and poured in place caissons, utilizing portable & tower cranes and various heavy equipment.
- Performed civil layouts for site grading, drainage, elevations, and excavation, trenching, boring or drilling.
- Maintained records of in-progress construction modifications and variances, drew final as-built drawings & wrote the accompanying project completion documents.
- Consulted on cases of alleged construction defects (by others); supervised destructive & non-destructive forensic testing; authored inspection reports; coordinated attorneys, specialized experts, testing laboratories & consulting engineers; and provided expert witness testimony.
- I have inspected 500+ residential and commercial swimming pools, spas and fountains for code, standards and workmanship compliance.
- Provided owner's representative services for luxury residential construction projects in excess of \$50M.

PROFESSIONAL MEMBERSHIPS/CERTIFICATIONS

- Member American Concrete Institute – ACI.
- Member American Shotcrete Association – ASA.
- Member Florida Pool & Spa Association – FPSA.
- Member National Drowning Prevention Alliance – NDPA.
- Member American Concrete Institute Technical Committee 322 – Concrete Pool and Watershape Code, 9/2021- present.
- Member American Shotcrete Association, Code 560H - Recreational & Pool Shotcrete Committee, 10/2022 – present.
- Voting member ICC/PHTA-12 Pool Plaster Standards committee June, 2024 - present.
- American Shotcrete Association, Pool Shotcrete Inspector Certification, March, 2024.
- California State Licensed Contractor, #721117, B (General Contractor) & C-53 (Pool Construction).
- International Watershape Institute: Verified Watershape Professional, Designer, Builder #19004 (2019).
- Certified Master Aquatic Designer – Society of Watershapes Designers, Certification #2005-009.
- Calif. State Contractors Licensing Board – designated “Subject Matter Expert,” 2001.
- Calif. State Contractors Licensing Board – State licensing exam advisory/review board – since 2001.
- National Swimming Pool Foundation, Instructor’s Certification - Certified Pool Operators – February, 2010.
- National Swimming Pool Foundation, Instructor’s Certification - Advanced Service Technicians – March 2017.
- Hadco (Phillips) Architectural & Landscape Lighting Academy - Factory Certified, May 2001.
- Upnor Polyethylene Gas Piping: Instructor & Installation Certifier – 1999.
- Con-stab press-fit polyethylene gas fittings: Certified Installer - 1/2021.
- ASTM D2855 PVC pipe welding certified (IPS/Weld-On) – 11/2022.
- Gastite Flash Shield CSST gas piping: Certified Installer - 2/2023 #23FS006515.
- President, Santa Clara Valley Chapter, IPSSA (Ind. Pool & Spa Service Association), 1994-1998.
- Teledyne-Laars Factory Boiler/Heater Installation/Repair Training Program: 1994, 1997.
- Zodiac / Jandy Factory Automation, Pumps & Heaters Factory Training Program: January, 2015.
- IPSSA Water Chemistry Certified: 1995.
- National Swimming Pool Foundation, Certified Pool Operator, 5/1995, recertified: 1/2010, #95-63674.
- International Watershape Institute - Credentialed Design/Build Expert (2019)
- Top-Secret Security Clearance: TS/LSI/Poly (Exp. 1993, U.S.-DOJ)

INSTRUCTOR, COURSES ATTENDED

- Instructor – Everything Under the Sun Pool Expo, Orlando, FL March 2025
 - (24 hrs) Watershape University Construction 2111 Elements of Construction
- Instructor - Western Pool & Spa Show, Long Beach, CA February 2025
 - (24 hrs) Watershape University Construction 2111 Elements of Construction
 - (1.5 hrs) Ozone Pool Sanitization
 - (1.5 hrs) Transitioning from Service to Construction
- Instructor – The Pool & Spa Show, Atlantic City, NJ, January 2025
 - (16 hrs) Watershape University – Construction 2711 Pool Renovation & Remodeling
 - (1.5 hrs) Pool Inspections for Renovations
- Instructor – International Swimming Pool & Spa Expo, Las Vegas, NV, November 2024
 - (24 hrs) Watershape University Construction 2111 Elements of Construction
 - (1 hr) ASR – Alkali Silica Reactions
- Instructor – Western Pool & Spa Show, Long Beach, CA March 2024
 - (16 hrs) Watershape University – Construction 2711 Pool Renovation & Remodeling
 - (1.5 hrs) Grounding, Bonding and Automation
 - (1.5 hrs) Porcelain Tile Installation
 - (1.5 hrs) Pool Inspections for Renovations
- Attendee – American Shotcrete Association, Austin, TX, March 2024
 - (8 hrs) Pool Shotcrete Inspector Seminar & Certification
 - (4 hrs) Pool shotcrete practices and project profiles
- Instructor - American Shotcrete Association, Austin, TX, March 2024
 - (1 hr) Understanding Alkali Silica Reactions
- Instructor – National Plaster Council, Ft. Worth, TX, February 2024
 - (16 hrs) Watershape University – Construction 2711 Pool Renovation & Remodeling

- Instructor – The Southwest Pool & Spa Show, San Antonio, TX, February 2024
 - (16 hrs) Watershape University – Construction 4621 Waterproofing
 - (1.5 hr) Grounding, Bonding and Automation
 - (1.5 hr) Design & Construction Contracts
- Instructor – The Pool & Spa Show, Atlantic City, NJ, January 2024
 - (8 hrs) Watershape University – Construction 2711 Pool Renovation & Remodeling
 - (8 hrs) Watershape University - Engineering 4411, Essential Electrical
 - (1.5 hr) Grounding, Bonding and Automation
 - (1.5 hr) Pool Inspections for Renovations
- Instructor – Clarkson Pools, Jacksonville, FL, December 2023
 - (24 hrs) Watershape University – Construction 2111 Basic Pool Construction
- Instructor – International Swimming Pool & Spa Expo, Las Vegas, NV, November 2023
 - (24 hrs) Watershape University – Construction 2111 Basic Pool Construction
 - (16 hrs) Watershape University - Engineering 4411, Essential Electrical
 - (1 hr) Ceramic Tile Installation Practices
 - (1 hr) Pool Inspections for Renovations
- Attendee - International Swimming Pool & Spa Expo, Las Vegas, NV, November 2022,
 - (1.0 hr) Shotcrete (Drakeley)
- Instructor – (16 hrs) Watershape University – Advanced Pool Construction, Boulder, CO July 2023,
- Attendee – (2.5 hrs) Uponor Radiant Heating Solutions, June 2 & 9, 2023
- Instructor – Western Pool & Spa Show, Long Beach, CA March, 2022
 - (16 hrs) Watershape University Engineering 4411, Essential Electrical
 - (1.5 hrs) Elegance of the Edge – Vanishing edge pools
- Attendee – (1.5 hrs) Taco Solutions, Air to Water Hydronic Heat Solutions, March 8, 2023
- Instructor – Everything Under the Sun Pool Show, February 2023, Orlando, FL
 - (8 hrs) Essential Plumbing Workshop – ASME B31.3 PVC pipe bonder qualification
 - (1.5 hrs) Alkali Silica Reactive Concrete
 - (1.5 hrs) Pier & Grade beam Construction
- Instructor – Southwest Pool & Spa Show, February 2023, Houston, TX
 - (16 hrs) Watershape University – Advanced Pool Construction
 - (1.5 hrs) Alkali Silica Reactive Concrete
 - (1.5 hrs) Building code compliant projects
 - (1.5 hrs) Electrical Bonding and Grounding
 - (1.5 hrs) Pier & Grade beam Construction
- Instructor – International Swimming Pool & Spa Expo, November 2022, Las Vegas, NV
 - (16 hrs) Pool Renovation and Remodeling
 - (1.0 hrs) Avoiding Construction Litigation
- Attendee - International Swimming Pool & Spa Expo, November 2022, Las Vegas, NV
 - (8 hrs) Essential Plumbing Workshop – ASME B31.3 PVC pipe bonder qualification
 - (1.0 hr) Soils/Geology (Peterson)
 - (1.0 hr) Steel Reinforcement (Drakeley)
- Instructor – AQUA Live, October 2022, Charlotte, NC
 - (1.5 hrs) Avoiding Construction Litigation
 - (1.5 hrs) Outdoor kitchen design and construction
 - (1.0 hrs) Moving pool floors and walkable pool covers
- Attendee – AQUA Live, October 2022, Charlotte, NC
 - (1.5 hrs) Genesis ENG111 – intro pool hydraulics & plumbing (Brannon)
 - (1.0 hrs) VGBA field applications & inspections (Barnes)
 - (1.5 hrs) Pool Inspections (English)
- Attendee - Ozone and UV Sanitization (12 hrs), September 2022, San Luis Obispo, CA.
- Instructor – Watershape Construction CON2011, Watershape University, Solano Beach, CA, July, 2022.
- Instructor – The Pool & Spa Show, January 2022, Atlantic City, NJ.
 - (16 hrs) Pool Renovation and remodeling
 - (1.5 hrs) Moving Floor Systems
- Attendee - International Pool, Spa, Patio Expo, November 2021, Dallas, TX.
 - (1.5 hrs) Avoiding Construction Defect Litigation
 - (1.5 hrs) Outdoor and Landscape Lighting Design
 - (1.5 hrs) Intricacies of Design
- Instructor – (1.5 hrs) Electricity, Bonding and Automation, International Pool, Spa, Patio Expo, November 18, 2021
- Instructor – (24 hrs) Advanced Watershapes Construction, Watershape University, Dallas, TX, November 13-5, 2021
- Instructor – (1.0 hrs) Avoiding Litigation and Lawsuits, Watershape University, Webinar, October 13, 2021

- Instructor – (1.0 hrs) Outdoor kitchen design and construction, Watershape University, Webinar July 1, 2020.
- Attendee – (8 hrs) Aquatic Facility waterproofing, tile & masonry installations, February 2020, Phoenix, AZ.
- Instructor – Everything Under the Sun Pool Expo, February 2020, Orlando, FL.
 - (1.5 hrs) Hydraulic component compatibility
 - (1.5 hrs) Transitioning from Service to Construction
- Instructor – International Pool, Spa, Patio Expo, November 2019, New Orleans, LA.
 - (1.5 hrs) Waterproofing
 - (1.0 hrs) Automation
 - (1.0 hrs) Alternative Sanitizers
 - (1.0 hrs) Construction Defects
 - (1.0 hrs) Construction on Difficult Sites
- Instructor – Western Pool & Spa Show, March 2019, Long Beach, CA.
 - (1.5 hrs) Hydraulic Component Compatibility
 - (1.5 hrs) The Beauty of the Edge (vanishing edge pools)
- Instructor – Genesis Pool Renovation School, 16 hrs. each:
 - Hamilton, NJ – February 2019.
 - Orlando, FL – February 2020.
- Instructor – The Pool & Spa Show, January 2019, Atlantic City, NJ.
 - (8 hrs) Site surveying, grading and evaluations
- Instructor – Southwest Pool & Spa Show, January 2019, San Antonio, TX.
 - (1.5 hrs) Hydraulic Component Compatibility
- Instructor – Canadian Pool & Spa Show, December 2018, Ontario, Canada.
 - (1) Design and construction of outdoor kitchens, (1) Transitioning Service to Construction
 - Submerged Lighting (1.5 hrs), Save money with equipment upgrades (1.5 hrs), December 2018, Ontario, Canada.
- Instructor – International Pool, Spa, Patio Expo, November 2018, Las Vegas, NV.
 - (1) Hydraulic component compatibility, (1) Waterproofing Roundtable
- Instructor – World Aquatic Health Conference, October 2018, Charleston, SC.
 - (1) Transitioning from service to construction
 - (1) Educational opportunities in the aquatic industry
- Instructor – Western Pool & Spa Show, March 2018, Long Beach, CA.
 - (1) Hydraulic Component Compatibility, (2) Transitioning to Construction.
- Instructor – International Pool, Spa & Patio Expo, November 2017, Orlando, Florida.
 - (1) Outdoor Kitchen Design, (2) Project Profiles
- Instructor – World Aquatic Health Conference, October 2017, Denver, CO.
 - (1) Succeed in Renovation & Construction
- Attendee - Major Swimming Pool Remodeling Course (16 hours), San Diego, 9/2017.
- Instructor – Southwest Pool & Spa Show, January 2017, San Antonio, TX:
 - (1) Adjustable Pool Floors and Moving Structural Elements
- Instructor – Utah Green (Utah Nursery and Landscape Association), January 2015, Salt Lake City, Utah:
 - (1) Working with High-End Clients, (2) Design & Construction of Outdoor Kitchens, (3) Building with Concrete.
- Instructor – The Pool and Spa Show, January 2015, Atlantic City, New Jersey: (1) Designing for Automation
- Instructor – International Pool, Spa & Patio Expo, November 2014, Orlando, Florida:
 - (1) Design & Construction of Outdoor Kitchens.
- Instructor – Southern Florida Pool & Spa Show, February 2014, Orlando, Florida:
 - (1) Design & Construction of Outdoor Kitchens
 - (2) Waterproofing.
- Instructor – Southwest Pool & Spa Show, February 2013, San Antonio, TX:
 - (1) Waterproofing
 - (2) Architectural & Construction Details.
- Instructor - Graduate Engineering Department, California State University – Fullerton, March 21, 2012.
 - Water in Architecture and History.
- Instructor - Landscape Industry Show, February 1-2, 2012, Los Angeles, CA:
 - (1) Interviewing and Working with High End Clients, (2) Design Details.
- Instructor - Concrete Decora Show, March 14-18, 2011, Nashville, TN:
 - (1) Water: The Universal Solvent, (2) Decorative Concrete & Watershapes.
- Primary Instructor, Genesis Watershape Construction School (24 hours each):
 - Baltimore - 2006, Orlando - 2006, Phoenix - 2007, Boston – 2007, Dallas - 2008, Atlanta – 2008, La Jolla - 2009, Las Vegas – 2011, New Orleans – 2012, Las Vegas – 2013, Orlando – 2014, San Diego – 2016, New Orleans – 2016, Orlando – 2017, Cincinnati – 2018, San Antonio – 2019, New Orleans – 2019.
- Instructor, Genesis – Advanced Watershape Construction School (24 hours each):
 - New York – 2013, Las Vegas – 2015, Las Vegas – 2018.

- Instructor – National Swimming Pool Foundation, Advanced Service Technician Certification (8 hours each):
 - Long Beach - 3/2017, Beverly Hills – 4/2017, Orlando – 11/2017, San Francisco – 11/2017, Richmond, VA – 11/2017, Ontario, Canada – 11/2017, Houston – 1/2017, Las Vegas – 11/2018, Huntington Beach – 2/2019.
- Attendee - Advanced Fluid Engineering Course (Hydraulics) (20 hours each):
 - Las Vegas - 2009, Las Vegas - 2011.
- Attendee - Professional Presentation (Architectural Rendering) School (40 hours) – 2006.
- Attendee - Rock and Water Design School (16 hours each), Filmore, CA – 2005, 2007.
- Attendee - Measured Perspective Drawing Course (20 hours) – Los Angeles, CA – 2005.
- Attendee - The History of Water in Architecture Course (20 hours) – Los Angeles, CA – 2005.
- Attendee - Color Theory Course (20 hours) – Phoenix, AZ – 2005.
- Attendee - Elements of Design Course (20 hours) – Los Angeles, CA – 2005.
- Attendee - Professional Drawing School (40 hours - Arizona State Univ.) – 2002.
- Instructor - National Spa & Pool Institute Show, Dallas, TX, Feb. 2001, Perimeter Overflow Pools.
- Attendee - Advanced Design School: 40 hours - Morro Bay, CA, 2001 – Topics: Landscape Design (James Van Sweden – Zen of Boston), Water in Architecture (Helena Arahuete – Lautner & Associates), Concrete, Finishes & Staining, Blueprints/Plans.
- Attendee - Understanding & Designing Fountains & Water Features Course – (24 hours), Toronto, Canada – 2001.
- Instructor - International Pool & Spa Show, Phoenix, AZ, 2001: “Design & Construction of perimeter Overflow Pools.”
- Attendee - Genesis 3 Advanced Aquatic Design: 40 hours - Islamorada, FL, 2000 – Topics: Feng Shui (Ilena Davis), Water in Architecture (Helena Arahuete – Lautner & Associates), Concrete, Architectural Nomenclature.
- Attendee - Genesis 3 Aquatics Design: 40 hours - Morro Bay, CA, 1999 – Topics: Structural Engineering, Soils/Geology, Hydraulics, Vanishing Edges, Art History, Drawing, Integrating Automation

EDITORIAL COVERAGE, AUTHORED ARTICLES, AWARDS (*authored articles in italics*):

- *Aqua Magazine, Moving Floor Technology is on the Rise, February 2025*
- *Watershapes Magazine, Concrete and Acid a Damaging Combination, November 30, 2023*
- *Watershapes Magazine, Understanding Colloidal Silicates, July 20, 2023*
- *Pool & Spa News, Conduit for Safety (electrical safety), April 17, 2023*
- *Pool Magazine, Cover - Paolo Benedetti - Setting the Standard, June 1, 2023*
- *Pool Magazine, Hazardous Pool Designs can cause Fatalities, May 28, 2024*
- *AQUA Magazine, ASR Prevention, May 11, 2023*
- *Pool Magazine, Ground Penetrating Radar is Like X-Ray Vision For Pool Contractors, December 26, 2023*
- *Pool Magazine, Acid Washing Fresh Pool Plaster Can Be A Recipe For Disaster, September 25, 2023*
- *Pool Magazine, What were they thinking (moving floor defect case), February 1, 2023*
- *Watershapes Magazine, Concrete Cancer - The Perfect Storm (Part 3), October 31, 2022*
- *Watershapes Magazine, Concrete Cancer, Alkali Silica Reaction (Part2), October 9, 2022*
- *Pool Magazine, Pool Tile Installation Starts with Using Proper Materials, September 19, 2022*
- *Watershapes Magazine, Concrete Cancer: Alkali Silica Reaction (Part 1), September 7, 2022*
- *Pool Magazine, ISPS Code holds builders to a higher standard, July 7, 2022*
- *Aqua Magazine - Climbing the Inflation Ladder, April 19, 2022*
- *Pool Magazine – Hair Entanglement in Pools, Are current Standards Adequate, January 13, 2022*
- *Pool Magazine, Utilizing Drainage Mats in Pool Construction, November 9, 2021*
- *Pool Magazine, Indoor Pools & Water Vapor, What You Need To Know, October 20, 2021*
- *Pool Magazine - Hydrofloors, The Hidden Pool Feature Homeowners Love, October 12, 2021*
- *Pool Magazine, Flawed By Design – Skimmer Lids, Drain Covers, & Fittings, September 24, 2021*
- *Pool Magazine, 10 Steps To Avoid Irregular Pool Plaster, August 10, 2021*
- *Pool Magazine, 12 Reasons to use an Electronic Auto-fill, August 10, 2021*
- *Pool Magazine, Force Majeure – When It’s Time To Change The Terms of a Pool Contract, August, 9 2021*
- *Pool & Spa News, Keeping Power in Check; Electrical Inspections, July 20, 2021*
- *Watershapes Magazine, Honoring a Veterans Sacrifice, July 1, 2021*
- *Pool Magazine, Every Vessel Should Be Pressure Tested – Period, May 19, 2021*
- *Pool Magazine, Shooting Shotcrete? Keep your hand off the nozzle, April 26, 2021*
- *Pool Magazine, Keeping Pool Contractors out of the Courtroom, April 15, 2021*
- *Pool Magazine, Just a Waterfall of Problems, March 15, 2021*
- *Pool Magazine, Confusion about using Sweep Elbows, February 22, 2021*

- [Pool Magazine, Placement of Main Drain Sumps to Steel is Critical, February 15, 2021](#)
- [Pool Magazine, Electrical Circuit Breaker Recalls, February 1, 2021](#)
- [Pool Magazine, Construction Technology is Evolving, January 27, 2021](#)
- [Pool Magazine, On Underwater Pool Lighting, December 10, 2020](#)
- [Pool Magazine - Patio Covers: Safeguarding from Fire Elements, February 1, 2020](#)
- [Watershapes Magazine - Bad Exposures \(shotcrete forms\), June 25, 2020](#)
- [Aqua Magazine - Builder Blunders: No hooking allowed, April 30, 2020](#)
- [Pool Pro Magazine \(Canada\) - Structural Cracking Solutions, March 2, 2020](#)
- [Pool and Spa News - How to safeguard patio covers from fire, February 25, 2020](#)
- [Pool and Spa News - Thinking about major remodeling, February 25, 2020](#)
- [Watershapes Magazine - Voices of Authority, February 19, 2020](#)
- [Watershapes Magazine - Life Lessons, February 5, 2020](#)
- [Pool Pro Magazine - 3D Modeling Equipment Pads, January 2020](#)
- [Watershapes Magazine - Modern Mystique, September 4, 2019](#)
- [Pool Pro Magazine \(Canada\) - Servicing High End Pools, August 5, 2019](#)
- [Pool and Spa News - Equipment Pads - It's in the details, June 13, 2019](#)
- [Pool Pro Magazine \(Canada\) - Servicing High End Pools - Automation, January 2019](#)
- [Watershapes Magazine - Weighing the Options: Custom Engineering, December 5, 2018](#)
- [Dwell Magazine, July 2018, Saddle Peak - Photo tour](#)
- [Home World Design - Saddle Peak Home, June 24, 2018](#)
- [C Magazine - The Edge of Tomorrow, Spring 2018](#)
- [Watershapes Magazine - Concrete Expectations, February 7, 2018](#)
- [Interior Design - Home Magazine – \(Cover\) Out of the Mist, April 24, 2018](#)
- [Watershapes Magazine - Avoiding Trouble, September 6, 2017](#)
- [Watershapes Magazine - Vanishing Edge Wall Essentials, July 12, 2017](#)
- [OCEAN HOME Magazine - Luxury Pool Design, April/May 2017](#)
- [Pool Pro Magazine \(Canada\) - Reinforcement Steel Placement, April 2017](#)
- [Watershapes Magazine - Glass Tile Dynamics, December 7, 2016](#)
- [Watershapes Magazine - The D.I.Y. Trap, November 2, 2016](#)
- [Aqua Magazine - Underwater Speakers, October 6, 2016](#)
- [Watershapes Magazine - The Humidity Factor, June 8, 2016](#)
- [Pool and Spa News - Pros talk waterproofing pools and spas, April 27, 2016](#)
- [Watershapes Magazine - Chlorine Conversations, March 2, 2016](#)
- [Watershapes Magazine - Radiant History, January 6, 2016](#)
- [Watershapes Magazine - Functional Aesthetics, December 2, 2015](#)
- [Watershapes Magazine - Protective Measures, September 23, 2015](#)
- [Pool and Spa News - Evolution at the Perimeter, September 2, 2015](#)
- [Watershapes Magazine - To Protect and Serve, August 19, 2015](#)
- [Watershapes Magazine - Radiant History, July 22, 2015](#)
- [Watershapes Magazine - Wiring Simplified, June 20, 2015](#)
- [Watershapes Magazine - Covering Levels, May 20, 2015](#)
- [Pool and Spa News - A Lap for Durability, May 1, 2015](#)
- [Watershapes Magazine - Keeping it Clean, April 22, 2015](#)
- [Watershapes Magazine - Under Control, March 18, 2015](#)
- [Watershapes Magazine - Quicker Compaction, February 18, 2015](#)
- [World's Greatest Pool, Design Award, February 6, 2015, Pebble Technology International](#)
- [AQUA Magazine - Glass Roots, A Tile Artist Shares His Story, February 3, 2015](#)
- [AQUA Magazine – Cover Photo, February, 2015.](#)
- [Pool & Spa News Magazine - The Whole Equation \(VGB, Drains, Line Velocities\), January 14, 2015](#)
- [Watershapes Magazine - Expansive Tendencies \(expansion joint details\), January, 2015](#)
- [Watershapes Magazine - Burning Sensations, December, 2014](#)
- [Casual Living Magazine, Reflections on glass tile mosaic pool and spa, November 2014](#)
- [AQUA Magazine - Serving those who serve, September, 2014](#)
- [AQUA Magazine - avoiding Electrical Missteps, October 2014](#)
- [Watershapes Magazine - Concrete's Way, October 22, 2014 Watershapes Magazine](#)
- [AQUA Magazine - How to Test a Swimming Pool Bonding Grid, June 12, 2014](#)
- [Watershapes Magazine – Safe Lighting Around Pools, April 23, 2014](#)

- [Pool & Spa News - Triple Threat \(integrating multiple edge techniques\) April 2, 2013](#)
- [Watershapes Magazine - Integrity on Deck October 24, 2012](#)
- [Watershapes Magazine - The Pitfalls of Pinching Pennies October 10, 2012](#)
- [Watershapes Magazine - Designs with Infinity in Mind, July 25, 2012](#)
- [Watershapes Magazine - Lighting the Way, June 6, 2012](#)
- [Watershapes Magazine - Making Skimmer Lids Vanish, May 23, 2012](#)
- [Watershapes Magazine - Hiding the Uglys - Powder Coated Fittings, May 9, 2012](#)
- [Watershapes Magazine - Spa-side Sleek, April 25, 2012](#)
- [Watershapes Magazine - Planning on Concealment, April 11, 2012](#)
- [Watershapes Magazine - Want to avoid getting "Hosed"?, March 21, 2012](#)
- [Watershapes Magazine - Cool Sensations, March 7, 2012](#)
- [Watershapes Magazine - Truth in Budgeting, February 8, 2012](#)
- [Watershapes Magazine - Custom Pool or Aquatic Art January 11, 2012](#)
- [Watershapes Magazine - What is a Designer, December 7, 2011](#)
- [Watershapes Magazine - Checks and Balances, November 9, 2011](#)
- [Watershapes Magazine - Learning from an Illusion, October 12, 2011](#)
- [Watershapes Magazine - Leveling the Bidding Field, September 28, 2011](#)
- [Watershapes Magazine - Beyond Basic Blue: Using Color Theory, May 2011](#)
- [Concrete Homes Magazine - Beyond Swimming, March 2011](#)
- [Luxury Pools Magazine - The World Registry of Elite Pool Designers & Builders - Moonlight Serenade, Spring 2011](#)
- [Dream Home Source, Pool and Spa Designs, Innovative pool and spa designs for your dream home, Spring 2011](#)
- [Watershapes Magazine - Solutions, On Grounding & Bonding, November 2010](#)
- [Watershapes Magazine - Solutions, Well-Grounded in Electrical Safety, November 2010](#)
- [Luxury Pools Magazine - The World Registry of Elite Pool Designers & Builders - The Finishing Touch, Fall, 2010](#)
- [Pool & Spa Marketing \(Canada\) - Safety Covers: A Creative approach to a complex pool and spa design August, 2010](#)
- [Glass Tile Mosaics - Tessellated Stress](#)
- [Cracked Glass Tile Mosaics - The Flaw's Within](#)
- [Glass Tile Mosaics - Unexplained Cracking](#)
- [Failure of Glass Mosaic Tiles \(fracturing\)](#)
- [Watershapes Magazine - Solutions, Face lift for Face rings June 30, 2010](#)
- [Watershapes Magazine - Solutions, Low Bidders - A Cancer on Commerce June 2, 2010](#)
- [Watershapes Magazine - Solutions, All About Soils, May 4, 2010](#)
- [Watershapes Magazine - Solutions, Radiant History, April 2010](#)
- [Watershapes Magazine - Solutions, Wiring Simplified, February, 2010](#)
- [Watershapes Magazine - Solutions, Covering Levels, November, 2009](#)
- [Watershapes Magazine - Solutions, Keeping it Clean, August, 2009](#)
- [Watershapes Magazine - Solutions, Under Control, June, 2009](#)
- [Watershapes Magazine - Quicker Compaction, April, 2009](#)
- [Watershapes Magazine - Solutions, Expansive Tendencies, March, 2009](#)
- [Dream Home Magazine, Innovative Pool Designs - 2008](#)
- [The Wave Magazine 2007 Innovative New Swimming Pool and Spa Designs](#)
- [AQUA Magazine - Hydraulic Masterpiece, August 2007](#)
- [The Wave Magazine 2007 Can a pool raise property value?](#)
- [AQUA Magazine - Outdoor Kitchens: If you can't stand the heat, July 2007](#)
- [The Wave Magazine 2007 Hot Waters](#)
- [CNN / Living August 2007 Make last splash best of the season](#)
- [The Street June 2007 Make 'Em Drip With Envy With a Custom Pool](#)
- [WaterShapes Magazine May 2007 - Material Issues: An expert's guide to finding great sources](#)
- [Residential Design & Build June 2007 Creating Dramatic Indoor Pools](#)
- [Pool and Spa News - 2006 MASTERS OF DESIGN - Hollywood Hills Pool & Spa](#)
- [AQUA Magazine, High Society, June 2006](#)
- [Luxury Real Estate.com Magazine Summer 2005 High-end Pool Trends](#)
- [Water Shapes Magazine August 2005 Transit Cubed: Simple Shapes mask a sublime complexity \(triple edge detail pool - 1st of it's kind\)](#)
- [Homes by Design July 2005 A Splash of Fun](#)
- [Luxury Pools Magazine - The World Registry of Elite Pool Designers & Builders - Chauffeur Driven Pools, Why Some Pools Cost More Than Others, Spring 2005](#)

- *Luxury Pools Magazine - The World Registry of Elite Pool Designers & Builders, Spring, 2005 Aquatic Art Forms*
- Dream Home Source December 2004 Pool Party
- *WaterShapes Magazine July 2004 - Protective Measures: Finding ways of "fortifying" Concrete*
- Options Summer 2004 Summer 2004 - Outdoor Options
- Pool and Spa News - 2004 MASTERS OF DESIGN - The Artist: Paul Benedetti, July 1, 2004
- USA TODAY May 2004 *Lifestyles*
- Luxury Pools March 2004 The Registry of Americas' Great Pool Builders
- *WaterShapes Magazine February, 2004 - To Protect and Serve: A practical introduction to stonework sealing*
- Pool & Spa News - Good Vibrations (Underwater Speakers), February 27, 2004
- Pool & Spa News Januray 30, 2004 *Design Corner*
- Home Design Style 2003 2003 *Design Awards*
- Pool Lifestyle Magazine Winter 2003 *Design Awards Issue (Winner) - Pool Design of the Year*
- Pool & Spa News August 2003 Coverups - *Pool Cover Basics*
- Pool & Spa News August 2003 Coverups - *Lowering the Skimmer*
- Pool & Spa News August 2003 Coverups - *Masonry Lid Variations*
- Home by Design Magazine June/July 2003 *Grapes and Grandeur in the Silicon Valley*
- *WaterShapes February 2003 - Kitchens Of Distinction*
- Aqua Magazine November 2002 - The Business Magazine for Spa & Pool Professionals
- Luxury Pools November 2002 - The Registry of Americas' Great Pool Builders
- Pool & Spa News September 2002 - *Going Underground*
- Pool & Spa News September 2002 - *Upscale Takes on New Meaning*
- Crystal Fountains, "Another award winning pool," Spring 2001.
- "Award winning designer builds Easter Seals wheelchair accessible spa (pro bono)", IPSSAN, July 2001.
- Pool & Spa News 2002 - *Bridging The Gap*
- Swimming Pool/Spa Age November 2001 - *Creating Water As Art*
- Pool & Spa News May 2001 - *Subtle Grandeur*
- Pool & Spa News March, 2001 - *Vanishing Edges: A Review*
- *WaterShapes magazine March 2001 - Strands Of Light, The ABC's of Installing Fiberoptic Systems*
- *WaterShapes Magazine November/December 2000 - An Aerial Assist: Global Positioning Technology & the Mastery of Difficult Terrain*
- Swimming Pool /Spa Age, October 2000 – *On Site.*
- Pool & Spa News, 10/1/97 - *The Media Watch*
- Pool & Spa News Magazine, 7/23/97 - *Good Samaritan*
- *Spa & Pool Industry Council, Locksin Thompson Memorial Public Service Award, for exhibiting leadership and support of swimming programs for the disabled (Camp Costanoan) 7/1997.*
- Pool & Spa Age, December 1996 - *Rising Stars*
- Facebook & Blog pages: Swimming Pool Expert Witness, Expert Witness Glass Tile Mosaics

EXPERT WITNESS - NOTABLE POOL CASES (location, property value, party represented, case disposition/settlement)

- Residential Pool – San Jose, CA (\$1M Home, Plaintiff, pre-trial)
- Residential Pool – Felton, CA (\$1M Home, Plaintiff, pre-trial)
- Vanishing Edge Pool – Los Gatos, CA (\$3.5M Home, Plaintiff, pre-trial)
- Residential Pool – Saratoga, CA (\$5M Estate, Plaintiff, pre-trial)
- Glass Tile Pool Installation – Napa, CA (\$10M Estate Winery, Defendant, pre-trial)
- Residential Pool – San Rafael, CA (\$2.5M Home, Defendant, pre-trial)
- Glass Tile Defect – Beverly Hills, CA (\$20M Estate, Defendant pre-trial)
- Vanishing Edge Pool – Lake Sam Houston, Texas (\$2M Home, Plaintiff, pre-trial)
- Glass Tile Pool Installation – Woodlands, Texas (\$5M Home, Plaintiff, pre-trial)
- Vanishing Edge Pool – Chapel Hill, NC (\$5M Home, Plaintiff, pre-trial)
- Glass Tile Defect – Beverly Hills, CA (\$30M Estate, Plaintiff, pre-trial)
- Residential Pool – Jackson, MS (\$2M Home, Defendant, pre-trial)
- Rooftop Residential Pool – Venice, CA (\$5M Home, Plaintiff, pre-trial)
- Vanishing Edge Pool – Santa Rosa, CA (\$7.5M Estate, Defendant, pre-trial)
- Residential Pool – Little Rock, AR (\$2.4M Home, Defendant, pre-trial)
- Residential Pool – Pebble Beach, CA (\$30M Estate, Plaintiff, deposition, pre-trial)
- Perimeter Overflow Pool – Libreville, Gabon (\$250M Estate, Plaintiff, pre-trial)

- Residential Pool – Midland, TX (\$5M Estate, Plaintiff, deposition, jury trial)
- Vanishing Edge Pools – British Virgin Islands (4 - \$1.5M Units, Plaintiff, pre-trial)
- Vanishing Edge Pool – El Dorado Hills, CA (\$2M Home, Plaintiff, pre-trial)
- Personal Injury – Eldorado Hills, CA (Slide accident, Plaintiff, pre-trial)
- Indoor Residential Pool – Greenwich Village, NY (\$45M Townhouse, Plaintiff, pre-trial)
- Resort Pool – Georgetown, Guyana (Commercial Hotel, Plaintiff, pre-trial)
- Personal Injury – Danville, CA (Diving accident, Plaintiff, pre-trial)
- Vanishing Edge Pool – Napa, CA (\$5M Home, Defendant pre-trial)
- Vanishing Edge Pool – Whitefish, MT (\$25M Home, Plaintiff, jury trial, \$4.7M judgement)
- Residential Pool – Atherton, CA (\$35M Estate, Plaintiff, deposition, pre-trial)
- Vanishing Edge Pool – Houston, TX (\$10M Estate, Plaintiff, deposition, pre-trial)
- Personal Injury – San Jose, CA (Drowning, Plaintiff, pre-trial)
- Vanishing Edge Pool – Tiburon, CA (\$7.5M Home, Plaintiff, pre-trial)
- Residential Pool – Patterson, CA (\$500K Home, Plaintiff, pre-trial)
- Vanishing Edge Pool – San Diego, CA (\$3M Home, Plaintiff, pre-trial)
- Vanishing Edge Pool – San Rafael, CA (\$2.5M Home, Plaintiff, pre-trial)
- Residential Pool – Dallas, TX (\$1M Home, Plaintiff, pre-trial)
- Indoor Residential Pool – Bluffdale, UT (\$5M Home, Defendant, pre-trial)
- Residential Pool – Dallas, TX (\$250k Home, Plaintiff, deposition, pre-trial)
- Residential Pool – Raleigh, NC (\$5M Home, Plaintiff, arbitration)
- Residential Pool – W. Palm Beach, FL (\$20M Home, Defendant, pre-trial)
- Vanishing Edge Pool – Hollywood Hills, CA (\$80M Estate, Plaintiff, pre-trial)
- Residential Pool – Loomis, CA (\$8M Home, Defendant, pre-trial)
- Personal Injury – Savannah, GA (Drowning, Plaintiff, pre-trial)
- Residential Pool – Santa Cruz, CA (\$2M home, Plaintiff, pre-trial)
- Vanishing Edge Pool – Hidden Hills, CA (\$4M home, Defendant, pre-trial)
- Residential Pool – Nashville, TN (\$2M home, Plaintiff, pre-trial)
- Vanishing Edge Pool – Bel Air, CA (\$40M Estate, Defendant/Glass tile installation, settled pre-trial)
- Vanishing Edge Pool – Panama Beach, FL (\$15M Estate, Defendant/Glass Tile installation, pending)
- Vanishing Edge Pool - Austin, TX (\$7M Estate, Defendant/Glass Tile Installation, settled pre-trial)
- Personal Injury – Inglewood, CA (Public Pool, Drowning, Plaintiff, settled mediation)
- Residential Pool - Flower Mound, TX (\$2M home, Plaintiff/Popped pool, deposition)
- Residential Pool, Henderson, NV (\$5M home, Defendant/waterproofing sub-contractor, deposition, pre-trial)
- Residential Pool – Windsor, CA (\$5M estate, Defendant, pre-trial)
- Residential Pool – Billings, MT (\$2M, Plaintiff, pre-trial).
- Personal Injury – Orlando, FL (resort, broken ankle, Plaintiff, deposition, pending).
- Residential Pool – Billings, MT (\$16M estate, Plaintiff, pre-trial).
- Residential Pool – Laguna Beach, CA (\$20M Home, glass tile installation failure, Plaintiff, pre-trial).
- Residential Pool – Los Altos, CA (\$3M Home, Plaintiff, pre-trial).
- Vanishing Edge Pool – Denver, CO (\$2.5M Home, Plaintiff, pre-trial).
- Residential Pool – San Carlos, CA (\$5M Home, Plaintiff, pending).
- Personal Injury – Orlando, FL (Air BnB, drowning, Plaintiff, deposition, pending).
- Residential Pool – Carmine, TX (\$3M Home, Defendant, pre-trial)
- Commercial Pool – Baton Rouge, LA (shotcrete strength, Defendant, pre-trial).
- Residential Pool – Scottsdale, AZ (\$50M Home, Plaintiff, pending).
- Residential Pool – San Carlos, (\$2.5M Home, Plaintiff, pending).
- Residential Pool – Scottsdale, AZ (\$35M Home, Plaintiff, pending).
- Residential Pool – San Mateo, CA (\$5M Home, Plaintiff, pending).
- Residential Pool – Las Vegas, NV (\$7M Home, Plaintiff, pending).
- Residential Pool – Danville, CA (\$3M Home, Plaintiff, pending).
- Vanishing Edge Pool – Englewood, CO (\$15M Home, Plaintiff, pending).
- Residential Pool – Austin, TX (ASR, Defendant, pending).
- Commercial Pool – Mtn. View, CA (acrylic windows installation, Defendant, pending).
- Residential Pool – Phoenix, AZ (\$5M Home, Defendant, deposition, pending).
- Residential Pool – Brentwood, TN (\$3M Home, Defendant, pre-trial).
- Residential Pool – Lake Geneva, WI (\$20M Home, ASR/defects, Defendant, pending).
- Personal Injury – Miami, FL (Hotel, leg laceration, Plaintiff, deposition, pending).

- Residential Pool – Las Vegas, NV (\$5M residence, Plaintiff, VE pool, pending).
- Residential Pool – Daniel Island, SC (\$5M home, Plaintiff, cracked pool, pending).
- Residential Pool – Bel Air, CA (\$50M estate, tile defects, Plaintiff, pending).
- Commercial Pool – Omaha, NB (\$50M commercial, popped pool, Plaintiff, pending).
- Residential Pool – Los Altos Hills, CA (\$12M estate, VE pool, Plaintiff, pending).
- Residential Pool – Spring, TX (\$1M home, cracked pool, Plaintiff, pending).
- Commercial Pool – Los Angeles, CA (Apartment complex, drowning/hair entanglement, Plaintiff, pending).
- Residential Pool – Los Angeles (\$10M estate, acrylic window leaks, Defendant, pending).
- Residential Pool – Billings, MT (\$15M estate, pool defects, Plaintiff, no litigation).
- Residential Pool – Fresno, CA (\$400k home, pool defects, Defendant, pending).
- Residential Pool – San Diego, CA (\$1.5M home, paver installation, Plaintiff, pre-trial).
- Residential Pool – Dallas, TX (\$2M home, workmanship, Plaintiff, pending).
- Commercial Pool – Los Angeles, CA (Marriott Hotel, slip/fall, Defendant, pending).

PERSONAL ACCOMPLISHMENTS

- Extensive world travels and case studies of history, art and architecture (Europe, Asia, So. America, Middle East, Africa).
- Master Instructor/black belt rankings in multiple martial arts: Tae Kwon Do – 5th Degree, Mixed Martial Arts - 4th Degree, Eskrima – 2nd Degree, Kali – 1st Degree, Savate – 1st Degree.
- 30+ year track record of supporting special needs aquatics programs:
 - Solicited donations and orchestrated the \$160,000 remodel of the two swimming pools at Camp Costanoan (summer camp), Santa Clara County Crippled Children’s Society’s (now known as: VIA Rehabilitation Services), Cupertino, CA (1994).
 - Provide continued financial, technical and in-kind support of the Camp Costanoan swim programs to minimize their expenditures, providing everything but the power & water (1994-present).
 - Designed a wheelchair accessible therapy spa for the Easter Seals Society – Timpany Center, San Jose, CA. Successfully funded the construction by writing grants and proposals. Built and managed construction of the spa pro-bono (1997).
 - Consulted, designed and built pro-bono, a glass tile mosaic immersion baptismal font that is the focal point for St. Benedict’s Catholic Church (Diocese Monterey, Hollister, CA).
 - Built a pro-bono swimming pool, spa, outdoor kitchen, children’s playground and landscaping for disabled veteran, Sgt. Brian Jergen, US Army (completed July 2016).