

CITY OF HARTSVILLE, SC

REQUEST FOR QUALIFICATIONS, RFQ 231003

DESIGN BUILD SERVICES FOR:

RENOVATION OF PIRATESVILLE SPLASHPAD LOCATED AT
NEPTUNE ISLAND WATERPARK

DESIGN BUILD PROPOSAL FOR:

WATER TECHNOLOGY, INC AND MIRACLE POOLS, INC



WATER TECHNOLOGY, INC.

WORLD LEADERS IN AQUATIC PLANNING,
DESIGN AND ENGINEERING



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Project Team

Water Technologies and Miracle Pools have completed numerous projects over the past ten years together with great success. The WTI and MPI team has had outstanding success in both design-bid-build delivery as well as design-build delivery methods. Bill Weaver will be the main project manager from the design team and Chad Wallace will serve as project manager on the construction team. Please see qualifications and resumes of full project team in next section. Specific contact information for references for any of the attached projects will gladly be provided by request.

Project Understanding

The primary goal of this project is to replace the existing Piratesville Splashpad at Neptune Island Waterpark with new, durable amenities such as spray features, a climbable play structure, dumping buckets, and slide(s) that provide long-lasting play value for users of all ages while in budget.

A highly desired component of the project is maintaining the existing splash pad footprint which will be appropriately explored and considered. The existing mechanical treatment system will be evaluated for re-use in an effort to maximize the use of the budget for splash pad features. In addition, the project team will evaluate options to streamline design, feature procurement, and complete construction before opening day, May 24, 2024.

Initial Project Assumptions (Basis for Project Approach)

See Appendix A for additional Renderings



Project Approach

1. Discovery
 - a. Confirm Owner Goals, Objectives, Budget, and Schedule Requirements
 - b. Review existing splashpad and mechanical/treatment system.

- i. Identify deficiencies regarding local health code and industry standards.
 - ii. Confirm options for reuse of mechanical/treatment system.
 - c. Establish preliminary project scope, required engineering, and specialty contractors.
- 2. Concept Development
 - a. Develop splashpad renovation concepts
 - b. Right-size features for the following:
 - i. Reuse of existing mechanical/treatment system
 - ii. Reuse of piping outside of splashpad footprint
 - c. Confirm project scope, required engineering, and specialty contractors for each concept.
 - d. Develop Rough Order of Magnitude (ROM) aquatic construction cost opinions for each concept.
 - e. Confirm Owner vs Contractor procurement of splashpad features.
 - i. Confirm feature fabrication and delivery schedules.
 - f. Confirm Owner's selected concept.
- 3. Design
 - a. Develop project specifications.
 - b. Develop project drawings.
 - i. Draft drawing list includes the following:

Sheet #	Sheet Descriptions
D100	Demolition Plan
D101	Demolition Details
PL100	Overall Aquatic Plan
PL101	General Aquatic Details & Schedules
PL102	Aquatic Clearance and ADA Access
PL110	Splashpad Plan
PL111	Splashpad Dimension Plan
PL112	Splashpad Sections
PL113	Splashpad Details
PL200	Splashpad Structural Plan
PL210	General Structural Details
PL211	Splashpad Structural Details
PL300	Splashpad Piping Plan
PL301	General Piping Details & Schedules

- c. Provide progress design documents for review.
 - i. Owner Review at 70% and 90% complete
 - ii. Constructability reviews at 70% and 90% complete
 - iii. Progress pricing/budget reviews at 70% and 90% complete
 - d. Finalize Construction Documents

- e. Establish Guaranteed Maximum Price GMP
- 4. Permit Coordination
 - a. Assist Owner with completion of plan review and permitting application.
 - b. Submit construction documents, application, and associated fees to local Authority Having Jurisdiction (AHJ).
 - c. Coordinate with AHJ to address any review questions/comments.
 - d. Update design documents with any changes required by the AHJ.
 - e. Expedited Review and requests for early demolition permit will be pursued to maintain timeline.
- 5. Construction
 - a. Construction Administration
 - i. Review and respond to Contractor Submittals and Shop Drawings
 - 1. Requests for information (RFIs)
 - 2. Operation & Maintenance (O&M) manual
 - ii. Conduct site observation and field report
 - iii. Review and respond to final punch list
 - iv. O&M Manuals to be submitted during initial submittal phase for owner's review as well.
 - b. Construction Execution
 - i. Submittals and Shop Drawings will begin during design phase after 90% drawings have been completed. All efforts to maintain schedule will be made to release fabrication in a timely manner.
 - ii. Construction phase to have minimum two (2) monthly meetings. One on site and secondary virtual meeting to maintain the most up to date information to all stakeholders.
 - iii. Removal / demolition of existing facilities will occur upon agreement of project team and ownership. Likely to occur prior to final GMP execution. Initial budget/negotiations will include this cost.
 - iv. Limited demolition of existing building and Mechanical/Electrical/Plumbing services.
 - v. New plumbing and controls to be installed for all new splash pad features.
 - vi. Multiple training sessions to confirm operation of pump room equipment as well as care and maintenance of new features.

Schedule

The following schedule reflects a range of possible completion dates. These dates will be confirmed at the conclusion of the Concept Development Phase. We recognize that it is the Owners preference to complete this work prior to the 2024 season and understand that under no circumstances can the splashpad be under construction during the operating season. Completion of the project prior to the 2024 season is very aggressive and leaves limited time

for Owner decisions, fundraising, and review. Should the project scope grow beyond the previously stated assumptions and require additional design time, construction will likely be completed following the 2024 season and prior to the 2025 season.

Project phases	Work Weeks	Estimated Completion Dates ¹			
		Best Case		Worst Case	
RFQ Submittal	0	10/20/2023	Friday	10/20/2023	Friday
Negotiations & NTP	2-3	11/3/2023	Friday	11/10/2023	Friday
Discovery	2-3	11/17/2023	Friday	12/1/2023	Friday
Concept Development	2-3	12/1/2023	Friday	12/22/2023	Friday
Design	7-8	1/19/2024	Friday	2/16/2024	Friday
Permit Coordination	4-6	2/16/2024	Friday	3/29/2024	Friday
Start Construction	0	2/16/2024	Friday	3/29/2024	Friday
Feature Procurement	12-18	5/10/2024	Friday	8/2/2024	Friday
Construction ^{2, 3}	14-20	5/23/2024	Thursday	8/16/2024	Friday
Waterpark Opening	N/A	5/24/2024	Friday	5/24/2024	Friday

1 – Dates may require adjustment following Discovery and Concept Development Phases.

2 – Construction schedule includes manufacturer’s estimate for fabrication and delivery of features (i.e., 12-18 weeks). There may be opportunities to reduce this schedule should the Owner consider direct procurement of the spray features.

3 - Construction completion date of 8/16/2024 is unacceptable and would compromise splashpad operations during the season. Under this design schedule condition, construction would need to occur after the 2024 season and prior to opening day of the 2025 season.

Team Responsibility Table

Phase & Task Descriptions	Responsible Firm
1. Discovery	
Confirm Owner Goals, Objectives, Budget, and Schedule Requirements	WTI
Review existing splashpad and mechanical/treatment system	WTI
Establish preliminary project scope, required engineering, and specialty contractors	WTI/MP
2. Concept Development	
Develop splashpad renovation concepts	WTI
Right-size splashpad features	WTI
Confirm project scope, required engineering, and specialty contractors for each concept	WTI/MP
Develop Rough Order of Magnitude (ROM) aquatic construction cost opinions for each concept	MP
Confirm Owner vs Contractor procurement of splashpad features	MP
Confirm Owner’s selected concept	WTI

Phase & Task Descriptions	Responsible Firm
3. Design	
Develop project specifications	WTI
Develop project drawings	WTI
Provide progress design documents for review	WTI
Finalize Construction Documents	WTI
Establish Guaranteed Maximum Price (GMP)	MP
4. Permit Coordination	
Assist Owner with completion of plan review and permitting application	WTI
Submit construction documents, application, and associated fees to local AHJ	WTI
Coordinate with AHJ to address any review questions/comments	WTI
Update design documents with any changes required by the AHJ	WTI
5. Construction	
Construction Administration	WTI
Construction	MP

Additional/Required Services

1. Additional Site Visits
2. Additional Engineering Partners/Scope (i.e., Arch, HVAC, Elec, Plumb, Etc.)
3. Additional Contracting Partners/Scope

Conflict of Interest Statement

Firms Water Technologies, Inc and Miracle Pools, Inc declare no conflicts of interest with respect to the City of Hartsville, the City's employees and no member of the proposed team has a family member employed, elected or appointed to any public position with the City of Hartsville who may have influence over this project or would benefit financially by the selection of this proposed team.

WATER TECHNOLOGY, INC



Firm Overview

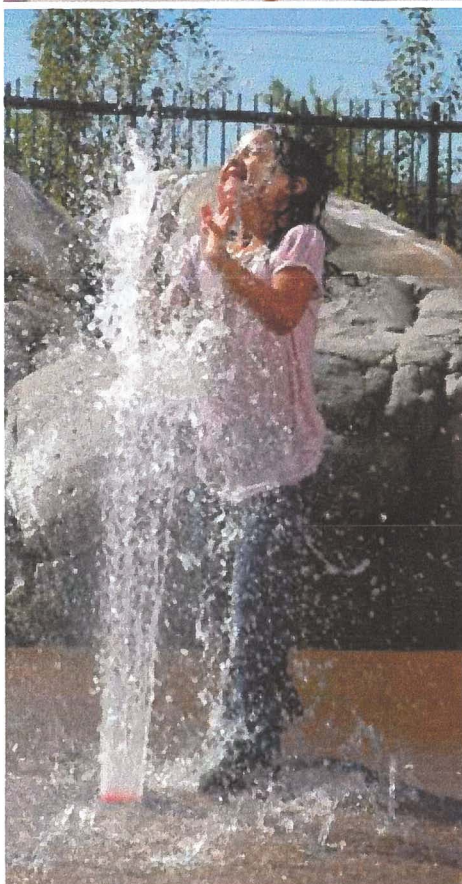
The WTI team is a highly qualified group of individuals comprised of creative architects, landscape architects, engineers, designers, business developers and administrators, all with a passion for aquatics. Together, we combine our talents to develop original, aquatic facilities from concept to reality. In addition, WTI maintains solid relationships with other consultants and contractors and continues to set the standards in the aquatic industry across the United States and around the world.

PHILOSOPHY

Water Technology, Inc.'s (WTI) creative energy and passion embraces the philosophy that aquatic recreation completes communities and makes them a better place to live.

COMPANY DETAILS

- Established in 1983
- Largest Aquatic Design Firm in North America, Staff of 65+
- Quality Control Implementation
- Collaborative Team Process
- International Portfolio
- Specialized Aquatic Professionals on Staff:
 - Executive Team (5)
 - Project Development (4)
 - Architects (4)
 - Landscape Architects (2)
 - Engineers (6)
 - - Civil (2), Mechanical (3), Structural (1)
 - Artistic / Creative Design (3)
 - Site Planners / Designers (3)
 - Technical Designers (7)
 - Mechanical Designers (6)
 - Project Managers (8)
 - Administrative (7)



WTI ADVANTAGES

- Solution driven planning and philosophy
- Two-way sharing process between WTI and client
- Forward-looking designs that support dynamic community programs
- Revit / BIM Capabilities
- 150+ AQUATIC Projects Per Year
- Historical database of cost estimates and realistic timelines

EXTENSIVE PORTFOLIO OF PROJECTS OF VARYING VENUES

- Waterparks
- Resort and Hotel Pools
- Competition Pools
- Faith Based Community Centers
- Water Playgrounds
- Public Facilities
- Therapy and Wellness Pools
- Schools and Universities

Locations

HEADQUARTERS
100 Park Avenue
Beaver Dam, WI 53916
T. 920.887.7375

TEXAS
6636 N Riverside Dr.,
Ste 500B
Fort Worth, TX 76137
T. 682.708.7007

WWW.WTIWORLD.COM



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

BILL WEAVER, PE

Project Director



Bill joined the WTI team in 2022 and brings a wealth of practical experience. He is a licensed PE in WI and OH, with a BS in Environmental Science from Ohio State University, and an MS in Environmental Engineering from Purdue University. He brings approximately 15 years of engineering experience as a design consultant on municipal wastewater treatment and conveyance projects where he most recently served as a Project Manager.

Bill's background includes 15 years of coaching experience at the club, high school, and college levels. In 2018, he led the Madison West Boys Swimming & Diving Team to a Wisconsin High School State Championship. Prior to coaching, Bill spent several years as an elite swimmer where he was a member of the USA Swimming National Team, an Olympic Trials Finalist, NCAA All-American and three-time Big Ten Conference Champion. He continues to swim and actively competes as a U.S. Masters Swimmer. As a swimmer and former coach, Bill has seen many great aquatic facilities and can pull from those experiences to guide future designs.

EDUCATION

Masters of Science, Environmental Science
Purdue University

Bachelors of Science, Environmental Science
Ohio State University

REGISTRATIONS

Professional Engineer: OH, WI

FEATURED PROJECTS

Tracy Indoor/Outdoor Waterpark - Tracy, CA
Keastone Bay's Main Amenity & Waterfront Amenity - Long Neck, DE
Pot-Nets Communities Seaside Recreation Facility - Sussex County, DE
Shirley B. Winston Pool - Columbus, GA
Rigdon Park Pool - Columbus, GA
Psalmond Road Pool - Columbus, GA
Elberton Splash Pad - Elberton, GA
City Park Pool - Iowa City, IA
Spencer Outdoor Aquatic Center - Spencer, IA
Jellystone Park Pool RV Resort - Millbrook, IL
2024 US Olympic Trials - Indianapolis, IN
Kennedy Park Outdoor Aquatic Center - South Bend, IN
Hutchinson Prairie Dunes Golf Club Pool Evaluation - Hutchinson, KS
John Hopkins Natatorium Renovation - Baltimore, MD
Red Oaks Waterpark Assessment - Madison Heights, MI
Mankato Area Public Schools - Mankato, MN
Belgrade Aquatics and Recreation Center - Belgrade, MT
Veridea Pool and Splash Pad - Apex, NC
Mahoney State Park Aquatic Facility Expansion - Ashland, NE
Ohio University Aquatic Renovation - Athens, OH
Sandusky Community Aquatic Center - Sandusky, OH
Charleston County Water Parks Electrical Assessment - Charleston, SC
Huether Family Aquatic Center Maintenance Plan - Yankton, SD
Boerne ISD Competition Pool - Boerne, TX
SMU Hydrotherapy & Plunge Pool Addition - Dallas, TX
Westminister Canterbury Elevated Pool - Chesapeake Bay, VA
Chelan Douglas Regional Sports Complex Feasibility Study - Wenatchee, WA

MIRANDA CHRISTIANSON

Director of Production



Miranda joined WTI in 2016 and brings with her over six years of CAD experience. Always up for a challenge, Miranda pushes herself to not only meet, but exceed her goals. Working closely with the Mechanical Design Department and Project Management teams, she helps ensure project milestones are met. Her detail oriented mindset drives her need to know how all the pieces fit together to make the whole; this allows her to produce high quality, accurate construction documents.

FEATURED PROJECTS

Great Wolf Lodge – Scottsdale, AZ
McClintock Swimming Pool – Tempe, AZ
Great America Cedar Fair – Santa Clara, CA
New Recreation Center Design – Commerce City, CO
Square 696 Multifamily Pool Design – Washington, DC
Pot-Nets Community Seaside Recreation Facility - Long Neck, DE
Keastone Bay Aquatics & Recreation - Sussex County, DE
DuPont Country Club - Wilmington, DE
Aquatica 2018 Waterslide Attraction – Orlando, FL
Grand Wailea Pool Finish & Mechanical – Wailea, HI
Ultimate Swim – Oak Brook, IL
Southern Area Aquatics and Recreation Center – Brandywine, MD
Frontier Town Splash Park – Ocean City, MD
Wading Pool – Shoreview, MN
Triangle Aquatic Center - Cary, NC
City Lake Aquatic Center - High Point, NC
Four Bears Phase One & Two Waterpark Expansion – New Town, ND
Nebraska Multi-Sport Complex – La Vista, NE
Grandview Heights Pool – Grandview Heights, OH
Kalahari Outdoor 2018 Outdoor Expansion – Sandusky, OH
South Lake School District – Cottage Grove, OR
Modera Glisan – Portland, OR
Peninsula Pool Renovation – Portland, OR
Whirlin Water Park – Charleston County, SC
Upper Palmetto YMCA Indian Land SC – Lancaster County, PA
Kingsport Aquatic Center - Kingsport, TN
Morristown Community Center - Morristown, TN
The Joseph Hotel - Nashville, TN
Outdoor Pool Renovation Design – Pigeon Forge, TN
Steadfast Apartments - Spring Hill, TN
Lakeview Residence – Cisco, TX
Multiple Parks Full Design – El Paso, TX
Indoor Aquatic Center – Lewisville, TX
The Vineyard Community Center Pool – Midland, TX
Cherry Park Pool – Weatherford, TX
Aquatic Center – Weimar, TX
Community Center – Airway Heights, WA
Selah Aquatic Center – Selah, WA
Family YMCA – Yakima, WA
Colburn Pool – Green Bay, WI
UW Natatorium – Madison, WI
Family YMCA – Oshkosh, WI
South Wood County YMCA – Port Edwards, WI
Aquatic Facility – Richland Center, WI
Wisconsin Rapids Regional Aquatic Center – Wisconsin Rapids, WI
Hampton Aquaplex - Hampton, VA
The Salvation Army Aquatic Center - Richmond, VA

EDUCATION

Associate of Applied Science
Architectural Commercial Design
Wisconsin Indianhead Technical
College
Rice Lake, WI

BRIAN W. FREBER, P.E.

Director of Engineering



Brian joined the WTI Team in 1998 and is a Senior Project Manager and Director of Engineering & Project Management. He coordinates with the in-house staff and consultants to ensure that each client gets the best facility and client service possible. As a project manager of the larger scale commercial public and private projects, Brian successfully balances multiple project responsibilities including the pool mechanical/filtration system engineering and utility coordination, construction document development, and construction administration services. As Director of Engineering & Project Management, Brian reviews and establishes company policies, procedures and standards, leads and assists the WTI Project Management team, and completes drawing and specification quality control reviews prior to submittal.

Brian is a licensed Civil and Environmental Engineer holding professional registrations in 37 States and Provinces in the United States and Canada and is a member of the National Council of Examiners for Engineering and Surveying. In 2009 Brian was recognized for his special accomplishments in the water leisure industry and awarded the World Waterpark Association Executive Board Award. An active member of the swimming pool and waterpark industry he maintains his NSPF Certification as a Pool & Spa Operator and participates on the ASTM Committee F24 on Amusement Rides and Devices, as well as the Writing Committee for the Association of Pools & Spa Professionals ANSI/APSP-16 2011 Standard Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs.

EDUCATION

Bachelor of Science
Civil / Environmental Engineering
University of Wisconsin - Madison
Madison, WI

Bachelor of Science
Industrial Engineering
University of Wisconsin - Madison
Madison, WI

REGISTRATIONS

Professional Engineer:
Canada: Alberta, British Columbia,
Ontario, Saskatchewan
United States: AL, AZ, CO, CT, DC, FL,
GA, IA, ID, IL, KS, KY, LA, MA, ME, MI,
NC (#PE-035471), ND, NH, NJ, OH,
OK, OR, PA, RI, SC, SD, TN, TX, VA,
WI, WV, WY

NSPF Certified Pool / Spa Operator (CPO)

National Council of Examiners for
Engineering and Surveying (NCEES)

PROFESSIONAL AFFILIATIONS

Themed Entertainment Association (TEA)
National Swimming Pool Foundation (NSPF)

American Society for Testing and
Materials (ASTM)

Association of Pool and Spa

FEATURED PROJECTS

Kalahari® Resorts, Inc. - 5+ Locations throughout the United States
Great Wolf Resorts, Inc.® - 20+ Locations throughout North America
Suncor Community Leisure Centre at McDonald Island Park - Fort McMurray, AB
Edmonds Aquatic and Community Centre - Burnaby, BC
Knott's Berry Farm - Buena Park, CA
California's Great America - Santa Clara, CA
Lalandia Aquadome - Billund, Denmark
Miami Dolphin's Water Park - Miami, FL
SeaWorld's Aquatica - Orlando, FL
Universal Volcano Bay Waterpark - Orlando, FL
Grand Wailea, A Waldorf Astoria Resort - Wailea, HI
Grand Harbor Resort & Waterpark - Dubuque, IA
Magic Waters - Cherry Valley, IL
Garden Rapids Waterpark - Garden City, KS
Boyne Avalanche Bay - Boyne Falls, MI
American Dream at the Meadowlands - Meadowlands, NJ
Professional Football Hall of Fame Waterpark Experience - Canton, OH
Windsor Family Aquatic and Library Complex - Windsor, ON
Dorney Park Renovations - Allentown, PA
Seven Springs Mountain Resort - Champion, PA
Splash Lagoon - Erie, PA
Seneca Valley District Pool Replacement - Harmony, PA
Hersheypark - Hershey, PA
Virtua Health System Center - Moorestown, PA
Edgewater Apartments Amenity Pool - Philadelphia, PA
Mount Airy Casino Resort - Mount Pocono, PA
Marywood University - Scranton, PA
Washington & Jefferson Natatorium - Washington, PA
Kalahari® Resorts, Inc. - Poconos, PA
Whirlin' Waters Adventure Waterpark - Charleston, SC
Carolina Pines - Conway, SC
SeaWorld Adventure Park - San Antonio, TX



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

CAROLINA PINES RV RESORT

Conway, South Carolina



OWNER

Sun Communities, Inc.
27777 Franklin Road, Suite 200
Southfield, MI 48034

COMPLETED

2019

WEBSITE

www.sunrvresorts.com/carolina-pines

Carolina Pines provides the best of Myrtle Beach at an upscale family-friendly RV resort. Because Carolina Pines is not located on the ocean, they sought to construct a family-focused waterpark that would entertain guests.

Water Technology, Inc. (WTI) was hired to provide aquatic design and engineering services for the Carolina Splash Water Park.

Families will appreciate the 2,486 SF splash pad with 16 geysers, tot slide, and geometric spray features sure to provide hours of safe fun and aquatic play for parents and kids alike.

Across from the tot splash pad is a 6,321 SF zero-depth entry family activity pool with ten geysers, a kiddie slide, and three-sided basketball hoops in the 4' deep end. For those interested in relaxing, the activity pool is surrounded by mini cabanas and relaxing pool chairs just feet away from snacks and beverages from the nearby restaurants.

In the center of Carolina Splash is the star attraction, a 11,185 SF wet deck with a multi-level interactive play structure. Vibrant seaside murals, palm trees, smiling suns, and pelicans decorate the citrus-colored sprawling play structure. The play structure features activities for all ages and includes numerous spray features, geysers, bridges, five runout slides, and an enormous 350-gallon dumping bucket.

Tom O'Branovic, the Vice President of Sun Communities Inc., said he heard high praise of the new facilities, staff, and the overall experience of Carolina Pines. After opening weekend O'Branovic reports that every weekend is completely booked for the next six months, and 80% of weekdays are filled.

AMENITIES

6,321 SF Activity Pool
1 Kiddie Slide
10 Geysers
Zero-Depth Entry
3 Basketball Hoops

11,185 SF Wet Surface Area Play Structure
Interactive Play Structure with
5 Runout Slides and Dumping Bucket

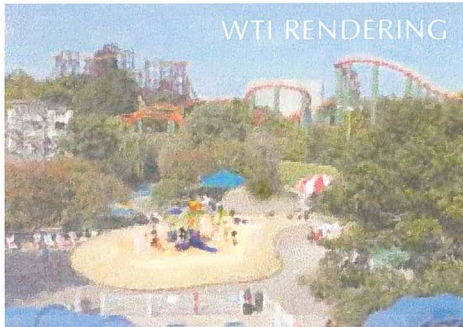
2,486 SF Splash Pad
16 Geysers
10 Interactive Water Features



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

SOAK CITY SPLASH ISLAND

Doswell, Virginia



OWNER

Cedar Fair, LP
One Cedar Point Drive
Sandusky, OH 44870-5259

COMPLETED

2015

WEBSITE

www.kingsdominion.com

AMENITIES

Hurricane Heights Slide Addition
2,649 SF Spray Pad
Cylinder Spray
Aqualien Rainforest
Cascade Sprays
Watergarden Turtle
Watergarden Snail
Watergarden Crab
Bloom Sprays (2)
Leaf Spray
Geysers
Multi-Level Interactive Play
Feature w/ Bucket

WTI has designed projects for the Cedar Fair company for over two decades. Splash Island at Kings Dominion features include small slides designed for young children and multiple jets of streaming water that spray up from the ground, as well as overhead. Little ones can let their imaginations run wild as they get soaked underneath large cascading flowers, take a trip down a slide, or pump and direct water that shoots out from one of the many splash pad creatures. Splash Island will also offer options for parents and family members looking to relax and soak up the sun in the adjacent lounge area while they watch the children play.

5-foot tall slide complex features three thrilling new attractions. On Paradise Plunge, thrill-seekers will step into one of three chambers and wait anxiously for the floor to drop out from underneath their feet, sending them in a high-speed, almost vertical free fall through a series of loops and s-curves in a translucent flume. Aqua Blast will send riders twisting and spiraling through an enclosed chute featuring four intense 360-degree loops across 449 feet of slide before they're dropped out into a pool of water. A wet and wild adventure will await guests on Thunder Falls as they climb into a single or double raft before being launched down a series of intense drops and turns.



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

ALDERGROVE CREDIT UNION COMMUNITY CENTRE

Langley, British Columbia, Canada



OWNER

Township of Langley
27032 Fraser Highway
Langley, BC V4W 3P6

OWNER REFERENCE

Jasman Cheema, EIT, B.Eng
Graham
604.940.4500
jasmanc@graham.ca

COMPLETED

2018

AWARDS / FEATURES

2019 Facility of Merit, Athletic Business
2019 Architectural Showcase, Athletic Business
2019 Aquatic Design Portfolio, Athletic Business
2020 Facility Excellence Award, British Columbia Recreation and Parks Association
2020 Aquatics International's Dream Designs

Water Technology, Inc. worked alongside the architect of record in this unique Design-Build delivery of a \$30M+ recreation centre for the Township of Langley. The new Aldergrove Credit Union Community Centre (ACUCC) replaces the aged Aldergrove Community Arena and the existing Aldergrove Outdoor Pool.

This one-of-a-kind facility boasts a twelve-month operating season with something for everyone. In the winter, the 25-metre lanes, lifestyle pool and hot tub will all remain open under a large wood canopy which offers the only year-round outdoor swimming experience in the Greater Vancouver area. This facility truly offers amenities for users of all ages and interests. Breaker Bay Wave pool offers a zero-depth entry experience and a movie screen for special programming and events at ACUCC. The Circus theme is carried throughout the park, both in the Big Top Circus Play Structure and the "Roller Soakers" Slide Tower and Slides. Canyon Creek Lazy River provides endless floating and swimming opportunities with the current in the river or in the river rapids while floating under spray features. The Pacific Lagoon is a fully-accessible pool specifically designed for all abilities with its gradual ramp, warm and shallow water, underwater bench seating and small slide. The competition pool also boasts 1-metre and 3-metre diving along with a rope swing for the adventurous swimmers.

WTI was proud to be part of the innovative Design-Build team for the ACUCC. Langley's investment in aquatic recreation is absolutely unparalleled and their new amenities will serve patrons for years to come.

AMENITIES

25M, 6 Lane Competition Pool:

- (1) 1M Diving Board
- (1) 3M Springboard

175 SM Social Pool:

Basketball Hoop

601 SM Lazy River:

- Sprays
- Dumping Features

405 SM Wave Pool

33 SM Whirlpool

624 SM Splash Pad:

- Play Structure
- 4 Slides
- Dumping Bucket
- Variety of Jets
- Rain Grove
- Interactive Features

Slides:

- (2) Tube Slides with Runouts
- (1) Body Slide with Runout

REINDAHL PARK SPLASH PAD

Madison, Wisconsin



OWNER

City of Madison
210 Martin Luther King Jr. Blvd
Madison, WI 53703

COMPLETED

2014

AWARDS / FEATURES

2015 - Aquatic Design Portfolio -
Athletic Business

WEBSITE

www.cityofmadison.com/parks/

Dozens of children, of all ages, gathered under the interactive features for the inaugural activation of the water sprays at Reindahl Park. The spray ground is free and open to the public throughout summer months.

WTI was hired in 2013 by the City of Madison for the design and engineering of the Reindahl Park Splash Pad, support/concessions building, and Shade Shelters. Through a series of public and staff meetings, WTI developed the design for the new splash park. The 2,200 Square Foot splash pad is designed into three connecting spray zones, each appealing to a slightly different age group. Adjacent to the splash pad are shade shelters, designed by WTI, which house 2-4 picnic tables and a mechanical support/concessions building. Uniquely, a remote monitoring system connects to the splash pad for the convenience of the Madison Park Maintenance department to keep an eye on the mechanical systems.

Other improvements expected to take place at the park over the course of five years include athletic facility enhancements and new shelter landscaping. The park is also home to a major soccer complex, reservable shelter, playground, basketball court, community gardens, and tennis courts.

AMENITIES

2200 SF Splash Pad

Vortex

(1) Aqualien PowerSpinner

(2) Loop No1

(1) Bamboo No10

(1) Team Spray No2

(1) Team Spray No1

(3) Directional Water Jet

(1) Ombrello Twirl No1

(1) Ombrello Twirl No2

(1) Ombrello No1

(2) Ombrello No2

(5) Jet Stream

(3) Aqualien Flower No1

(1) Fountain Spray

(2) Groud Geyser

(1) Aqua Dome No1

(2) Spray Loop

(1) Watergarden Activator No1

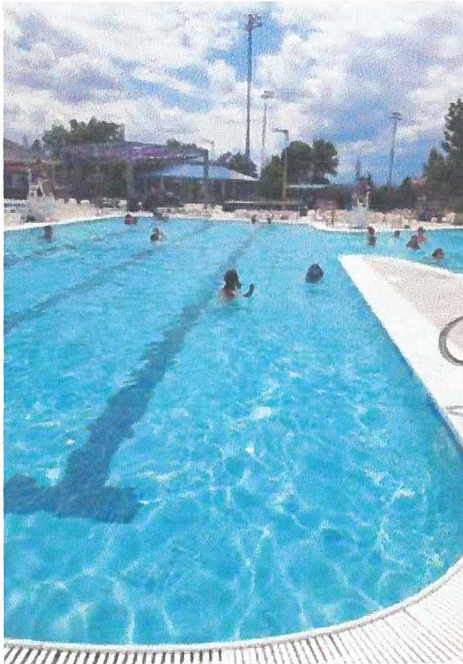
(2) Foot Activator



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

H2O'BRIEN POOL

Parker, Colorado



OWNER

Town of Parker
20120 E Mainstreet
Parker, CO 80138

OWNER REFERENCE

Bryan Gentilini, NREMT, AqP, CPRP,
Recreation Supervisor - Aquatics
City of Parker
303.805.3268

COMPLETED

July 2022

AWARDS / FEATURES

Aquatic Design Portfolio
Athletic Business, 2021

WEBSITE

www.parkerrec.com/234/H2OBrien-Pool

H2O'Brien Pool suffered from decreased attendance within the last seven years of its life. The city quickly recognized the aging of the facility and the prominent need of improvements and repairs. Water Technology, Inc. (WTI) was hired as the consultant alongside the architect of record, Barker Rinker Seacat to restore this beloved community pool.

Taking into consideration the existing site, the design team was faced with the challenge of ensuring that the footprint of the new play structure, deemed the best fit for the specific requirements of the existing structure, fit within the blueprint of the existing pool. After careful consideration, a hybrid Kaledioscope and Grasslands Activity Tower were selected. The design process was seamless thanks to Waterplay Interactive Concept Designer, an advanced planning tool that was used between the design team and Town Officials to collaboratively decide on design elements.

The \$2.8 million renovation consisted of the new Activity Tower with two tot slides that features several interactive play features such as a Sky Soaker (Dumping Bucket), Waterfall 2, Water Weaver 3, Aqua-Knot, Funbrella, Misty Twisty, and more creating the ultimate universal play experience. A leisure pool with zero-depth entry and 4-lap lanes provides opportunities for all users regardless of age.

After a quick turnaround, with the renovations completed during the off-season, the H2O'Brien was set to open Memorial Day Weekend 2020, however, COVID-19 Pandemic delayed the opening until July 2020.

"It's been packed pretty much nonstop," said Bryan Gentilini, the town's recreation supervisor for aquatics. "As soon as it hit the 80s, it's been packed every day."

AMENITIES

- 7,382 SF Leisure Pool
- Play Structure with Two Child Slides
- Zero Depth Entry
- 4 Lap Lanes
- Interactive Water Features
- Dumping Feature
- Variety of Sprays



WORLD LEADERS IN AQUATIC PLANNING, DESIGN AND ENGINEERING

SPLASH PAD EXPERIENCE

In Progress - Partial Listing



Elberton Splash Pad - Elberton, GA



Walnut Grove Splash Pad - Walnut Grove, GA



Great Wolf Lodge Resorts - Webster, TX



Chad Wallace, MBA, LEED AP

CEO / Co-Owner

chad@miraclepoolsinc.com

cell: 757.870.7738



As CEO of Miracle Pools, Chad manages job procurement, estimating, preconstruction services, as well as assists with project management duties on specialty projects. Under his leadership, MPI has doubled its gross sales. In addition to leadership at Miracle Pools, Chad has over 18 years of general contractor / construction management industry experience and a proven track record of success in achieving time, budget, and quality goals on a broad range of multimillion-dollar projects. He provides a full-range of construction management services during the construction phase, utilizing his excellent leadership, communication and relationship building skills.

Recent and Current Projects

P907 Little Creek Training Facility – \$1.6Mil

Virginia Beach Surf Park - \$800K

UVA Football Ops Cold Plunge and Hydrotherapy - \$624K

Proximity Mixed Use Amenity Pool - \$315K

Danville Riverfront Splashpad - \$1.1Mil

Trinity Landing Asst. Living Therapy and Lap Pools - \$645K

James A. Leach Aquatic Facility - \$1.9Mil

Greensboro CC Adult, Community and Splashpad - \$985K

Cone Health Therapy, Lap and Spa Pools - \$912K

West Charlotte High School - \$910K

Education and Relevant Experience:

Masters of Business Administration, UNC Wilmington

Bachelors of Science, Building Construction, Virginia Tech

FMI Project Manager Academy Completion (PMP Coursework)

Carolinas AGC Project Manager Academy Coursework

OSHA 30 Hour Certification & First Aid/CPR

10 year Employment with W.M. Jordan as Project Manager



Brooks Barnett

COO / Co-Owner

brooks@miraclepoolsinc.com

cell: 910.523.2719



As COO of Miracle Pools, Brooks manages all aspects of operations, constructability reviews, personnel training, and main point of contact for general contractor & client relationships. Under his leadership, MPI has increased manpower three-fold and has increased profitability on projects on average by 15% due to his organizational skills and training of field staff. In addition to leadership at Miracle Pools, Brooks has over 28 years of construction management industry experience specializing in leading teams between developers, ownership, sub-contractors, and design teams. Brooks takes great pride in having delivered many large-scale projects with exceptional quality. Brooks has earned a reputation of enforcing high standards and communicating with integrity, honesty, and professionalism.

Recent and Current Projects

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James A. Leach Aquatic Facility - \$1.9Mil

Greensboro CC Adult, Community and Splashpad - \$985K

Cone Health Therapy, Lap and Spa Pools - \$912K

West Charlotte High School - \$910K

Education and Relevant Experience:

Dundalk Community College

AGC Superintendent Training Program

OSHA-30 Certification & First Aid/CPR

ASHE Healthcare Construction Certificate

Local Ironworkers Apprenticeship Program

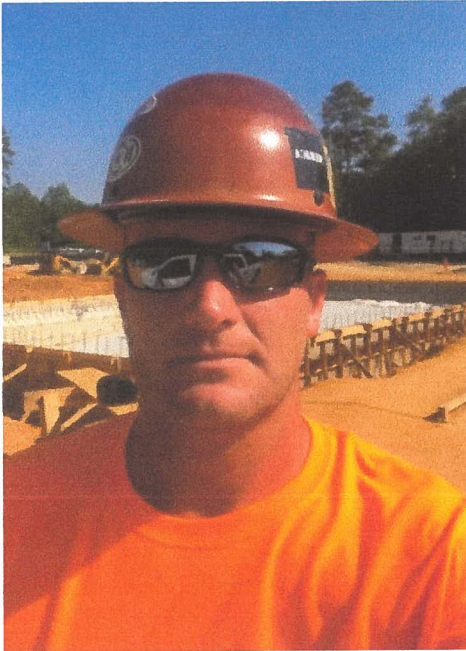


Matthew Davis

Senior Superintendent

matt@miraclepoolsinc.com

cell: 252.665.2190



As senior superintendent of Miracle Pools, Matt manages all field operations on all major/capital projects and field point of contact for general contractor, clients and subcontractors. Matt has been with Miracle Pools for over 19 years growing from a helper, foreman, superintendent and now the senior superintendent. He is the front line for MPI to ensure quality and schedule are always met. Matt's extensive history in the aquatics industry has qualified him to lead construction of any project. Matt has earned a reputation of enforcing high standards and creative problem solving with all trade partners on project sites.

Recent and Current Projects

P907 Little Creek Training Facility – \$1.6Mil

UVA Football Ops Cold Plunge and Hydrotherapy - \$624K

James A. Leach Aquatic Facility - \$1.9Mil

Greensboro CC Adult, Community and Splashpad - \$985K

Cone Health Therapy, Lap and Spa Pools - \$912K

West Charlotte High School - \$910K

MARSOC Training Facility - \$963K

P-1160 Fitness Facility – \$863K

Bald Head Pools - \$3.2Mil

Brooks Family YMCA – \$1.2Mil

Education and Relevant Experience:

CCC Academy Graduate

OSHA-30 Certification, First Aid/CPR, fall protection, scaffold, lifting/loading equipment, confined space and silica programs.

Specialty Project Resume



MIRACLE
— POOLS —

Amazing Pools. Excellent Service.



Amazing Pools. Excellent Service.

Miracle Pools, Inc is a Commercial Pool Builder licensed in North Carolina and Virginia. In business since 1990, our expertise centers around large scale commercial swimming pools. We have built commercial projects for private developers, multi-family projects, assisted living, indoor and outdoor competition pools as well as specialty pool facilities for military and federal clients.

We love to assist designers, owners and contractors in the development of their plans and are currently involved with several design-build projects and have completed over 25 design build projects. By incorporating the Miracle Pools early in the design process, we use our construction expertise to coordinate with the owner and the design team to produce beautiful pools that are both economical and efficient for the end user.

Miracle Pools has multiple NC professional engineering partners that assist with bringing pool concepts through design to permit approval. With a home base in eastern NC, and completing dozens of pools in the area, we are very familiar with local jurisdiction requirements as well as NC health codes. Miracle Pools is also a pre-approved pool contractor with multiple national aquatic design firms, including Counsilman-Hunsaker, Aquatic Design Group, Water Technologies, and Aquatics H2O.

Company Information

- Family-owned company with majority ownership, leadership and overall direction through Kelly Barnett and Lindsay Wallace.
- 2023 Expected Gross Sales: \$6.4 million [2022 Gross Sales \$3.1 million]
- Established 1990
- Services Mid-Atlantic region in Virginia, North Carolina, South Carolina, and Georgia
- MPI has completed NASCLA General Contractors exam with abilities to perform work in 16 states with current licenses in North Carolina (#30187) and Virginia (#2705151089). South Carolina License is currently awaiting processing.
- Full construction staff with administration staff specializing in government, military, HUD and private project requirements. Includes
 - 3 project managers
 - 3 superintendents and 12 full time field staff

Family Activity
Center
Bald Head Island,
North Carolina



General
Contractor:
Thomas
Construction



Description: The Bald Head Island Family Activity Center features multiple pools. Miracle Pools is responsible for construction of the main leisure pool, 3800SF, the children's play pool, 1700SF with water play features, the 960SF splash pad, and the 600SF dedicated plunge pool featuring custom dual water slides.



**Greensboro
Country Club
Greensboro, North
Carolina**

General Contractor: FL Blum

Description: The Greensboro Country Club features two pools, the adult pool is 2575SF and community pool is 5155SF, and an 800SF splash pad. The adult pool features a tanning shelf and lap lanes. The community pool features a beach entry, slide, and 6 competition length lanes, with stainless steel 66" pressure sand filter.





**James A.
Leach Aquatic
Center
Raeford, North
Carolina**

General Contractor:
Metcon Construction

Description: Construct one 8 lane 25 yard competition pool with stainless steel gutter with integral evacuator, including Colorado Timing System (Gen 7 with Scoreboard). 1,400 SF zero entry activity pool with play features. Project also includes 22' tall, 160LF slide.



New Bern Aquatic Center New Bern, NC

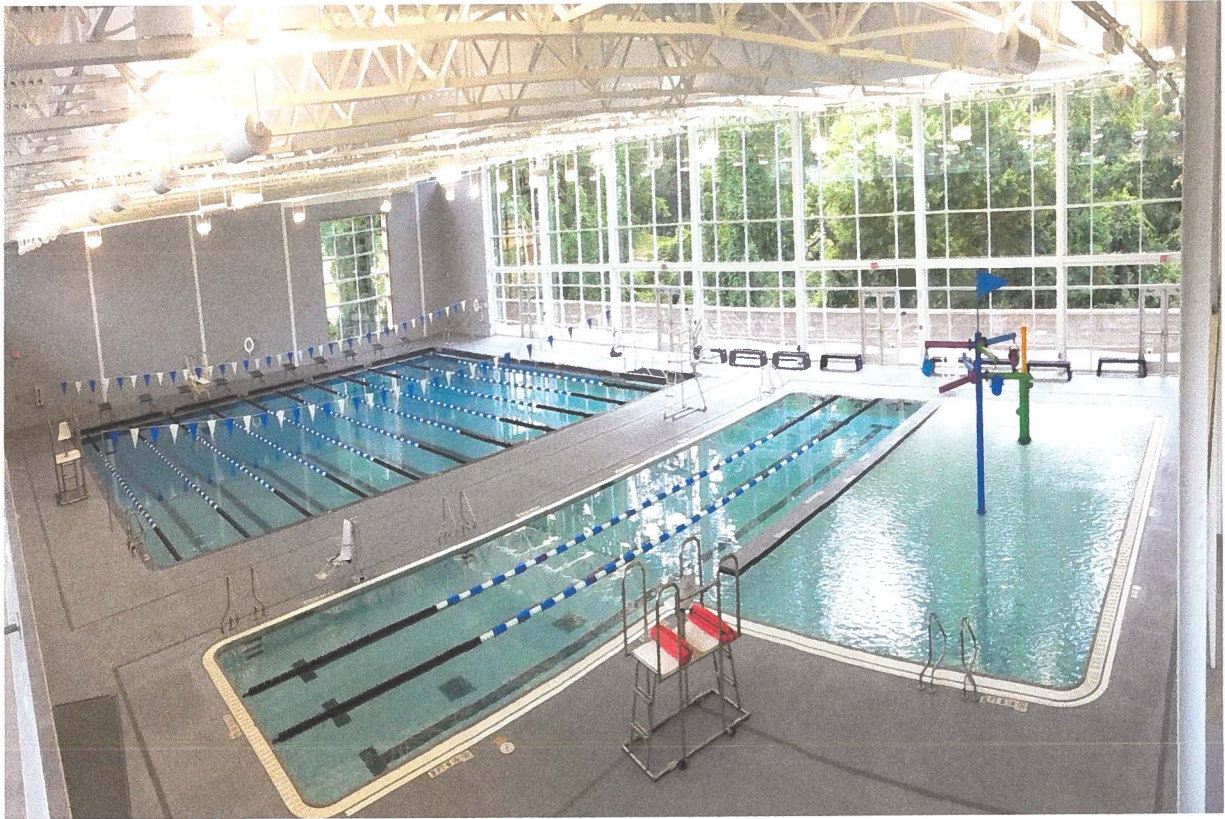
Description: 4,500 SF pool with competitive lap lanes, water slide, water features, and zero entry pool.



Bow Creek Recreation Center Virginia Beach, Virginia

General Contractor: McKenzie Construction Company + Miracle Pools (Joint Venture)

Description: 7,000 SF pool with competitive lap lanes, diving pool, water slide, water features, and zero entry pool.



Brooks Family YMCA Charlottesville, Virginia

General Contractor: Loughridge Construction Company

Description: 6,000 SF lap pool with stainless steel gutter system and one 2,500 SF warm-up pool with zero entry and play features.



Twin Rivers YMCA New Bern, North Carolina

Description: 6,000 SF, 25-meter competition pool with stainless steel recirculation system, pressure sand filter, dual water slide, and one 1,500 SF spray park with balance tank and pressure sand filter.



Seymour Johnson Community Pool and Splash Pad Goldsboro, North Carolina

Description: Construct one 4-lane competition pool with beach/zero entry with water slide and play features. Pools include including pressure sand filters and chemical automation systems. Separate Air Force themed splash pad.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
9/20/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Arthur J. Gallagher Risk Management Services, LLC 777 108th Ave NE #200 Bellevue WA 98004	CONTACT NAME: Charles Underhill	
	PHONE (A/C, No, Ext): 425-586-1045	FAX (A/C, No): 425-451-3716
E-MAIL ADDRESS: charles_underhill@ajg.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : Travelers Property Casualty Co of America		25674
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

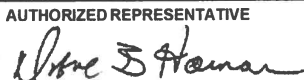
INSURED Water Technology Inc. 100 Park Avenue Beaver Dam WI 53916	WATETEC-01
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COVERAGES CERTIFICATE NUMBER: 128917848 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y		6801J744112	6/4/2023	6/4/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000		
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$		
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$		
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> N/A					PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$		

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: AOAP Conference.
 The Association of Aquatic Professionals (PO Box 1041, Liberty Hill, TX 78642) and its agents as well as the Grand Sierra Resort and Convention Center (2500 E 2nd St, Reno, NV 89595) are included as Additional Insured under General Liability coverage per blanket form #CGD3810915 but only as respects operations of named insured in written contract.

CERTIFICATE HOLDER Association of Aquatic Professionals PO Box 1041 Liberty Hill TX 78642	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:
COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to SECTION II – WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

- a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies, or in connection with premises owned by or rented to you.

The person or organization does not qualify as an additional insured:

- c. With respect to the independent acts or omissions of such person or organization; or
- d. For "bodily injury", "property damage" or "personal injury" for which such person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

- e. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.
- f. This insurance does not apply to the rendering of or failure to render any "professional services".
- g. In the event that the Limits of Insurance of the Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement does not increase the limits of insurance described in Section III – Limits Of Insurance.

- h. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.

2. The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organizations as a named insured for such loss, and we will not share with the other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal injury" for which coverage is sought arises out of an offense committed;

after you have signed that "written contract requiring insurance". But this insurance provided to the additional insured still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any other insurance.

COMMERCIAL GENERAL LIABILITY

3. The following is added to Paragraph 8., **Transfer Of Rights Of Recovery Against Others To Us**, of SECTION IV – **COMMERCIAL GENERAL LIABILITY CONDITIONS**:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, done under a "written contract requiring insurance" with that person or organization. We waive this right only where you have agreed to do so as part of the "written contract requiring insurance" with such person or organization signed by you before, and in effect when, the "bodily injury" or "property damage" occurs, or the "personal injury" offense is committed.

4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After you have signed that written contract;
- b. While that part of the written contract is in effect; and
- c. Before the end of the policy period.

