



January 10, 2024

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

**Re: A/E Services for North Bend
and Watoga Pool Facilities**

Dear Selection Committee:

Chapman Technical Group is most interested in providing the architectural and engineering services for the North Bend State Park and Watoga State Park Pool Facilities projects. We have completed many swimming pool projects around West Virginia and for this project we will team with Counsilman-Hunsaker, a leader in the aquatics industry. We are currently working with Counsilman-Hunsaker on a replacement pool at the Elk Elementary Center in Charleston. We have recently completed spray parks at Pipestem and Twin Falls State Parks and have designed swimming pools at Beech Fork and Moncove Lake State Parks, as well as a pool for the Laurel Lake Wildlife Management Area. Counsilman-Hunsaker has designed many swimming pool and aquatic center projects throughout the country. We have included examples of these projects within our submittal.

We will meet the goals and objectives of the project as follows:

- 1.1 We will review the existing facilities and develop plans to construct new pool facilities and splash pads at Watoga and North Bend, as well as other goals and objectives as may be determined by WVDNR.
- 1.2 Designs will be executed to comply with applicable WVDEP regulations, as well as building codes and standards, and will be consistent with WVDNR needs, objectives, and budget.
- 1.3 We will provide construction administration services using the design professionals who designed the project.

You will find all the requested information regarding our firm and within this submittal. We would very much appreciate the opportunity to present our project team and further discuss your project. Meanwhile, if you have any questions or need additional information, please contact me at (304) 727-5501 or by email at jbird@chaptech.com

Sincerely,
CHAPMAN TECHNICAL GROUP



Joseph E. Bird, ASLA
Senior Vice President

200 Sixth Avenue
Saint Albans, WV 25177

304.727.5501

Buckhannon, WV
Lexington, KY

www.chaptech.com



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COMPANY OVERVIEW & AWARDS



Established in 1984, Chapman Technical Group has steadily grown into a diverse firm of professionals, many of whom were educated in West Virginia colleges and universities. We have achieved an outstanding reputation for developing high-quality projects, while meeting schedules and budgets.

In 2013, Chapman Technical Group was acquired by the Lexington, Kentucky based A/E firm of GRW, allowing us to provide a wider range of services while expanding our resources. Now, in addition to our offices in St. Albans, and Buckhannon, West Virginia, as part of the GRW family, we also work in Kentucky, Ohio, Tennessee, and Indiana.

Our architectural group not only designs new buildings from the ground up, but also specializes in renovations and historic restoration projects. Our award-winning landscape architects provide master planning, as well as detailed site design for parks and public spaces projects.

In addition to our building studio, our engineering support staff gives us the ability to meet almost any challenge a project may present. All of our mechanical, electrical, plumbing engineering is provided in-house, and our civil engineers work with our landscape architects to provide site designs that are functional while achieving a high level of aesthetics.

Water and sewer system design is accomplished by our environmental engineers, and when on-site wastewater treatment is required, we can do it.

Working with our airport group, we can provide full airport design services, from runway and lighting design, to hangars and terminal buildings.

COMPANY OVERVIEW & AWARDS



SRC Building Renovation
WV AIA Merit Award, 2016
Historic Preservation



I-79 Rest Area
AIA Merit Award, 2010

COMPANY OVERVIEW & AWARDS



Upshur County Courthouse Renovations
WV AIA Honor Award, 2008
Historic Preservation



COMPANY OVERVIEW & AWARDS



Upper Big Branch Miners Memorial
WV ASLA Honor Award, 2012



Nuttallburg Historic Mining Complex
WV ASLA Merit Award, 2012



Counsilman Hunsaker
AQUATICS FOR LIFE

Getting to Know Us

History

Counsilman-Hunsaker was founded in 1970 as a collaboration between a world-famous swimming coach and one of his former athletes. Through his coaching career and extensive writings, James E. "Doc" Counsilman, Ph.D., revolutionized the swimming world through research and innovation, training numerous Olympic and National champions along the way. One was Joe Hunsaker, a former three-time National Champion and World Record holder. With Doc Counsilman serving primarily in a consulting role, Joe Hunsaker developed the firm into one of today's foremost authorities on design and operation of aquatic facilities.

What Sets Us Apart

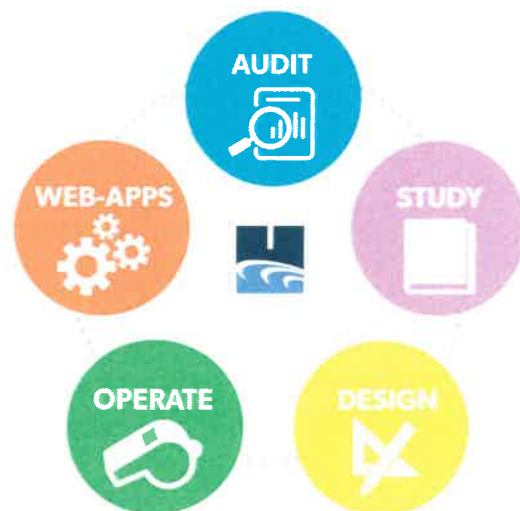
For more than 50 years, Counsilman-Hunsaker has provided design and operational consulting for thousands of national and international aquatic projects of every size and complexity. Our portfolio includes newly designed and renovated pool projects for many market sectors: Parks & Recreation, Education, Hospitality and Wellness. Project types range from competition venues, leisure pools and waterparks to therapy pools and spas.

In addition, we have completed hundreds of aquatic Facility Audits and Feasibility Studies for the development of new or renovation of existing facilities. Leaning on this expertise, we help analyze, benchmark, and execute every project thoroughly, efficiently, and successfully.

Counsilman-Hunsaker is made up of an integrated team of design professionals and operational specialists with unrivaled aquatic industry experience. Our team brings exceptional collaboration skills and new project designs for the delivery of a high-quality, innovative aquatic facility. Our operational specialists can not only help prepare for a successful launch, but serve as a guide to our clients in achieving long-term operational success.

Full Circle of Expertise

Counsilman-Hunsaker offers a full circle of aquatic services from existing facility evaluation to comprehensive concept development; from project visioning through design, engineering and construction administration to business management and aquatic operations. These services are completely customized and configured in a variety of ways to precisely fit the needs, desires and objectives of the owner/operator and the project team.





Counsilman Hunsaker
AQUATICS FOR LIFE

Getting to Know Us

Audit

Through our Facility Audit services, many owners have discovered that replacing worn out equipment with short life cycles will allow them to serve a whole new generation of users. Other times, older pools can be economically reconstituted into modern swim centers. Counsilman-Hunsaker's evaluation of existing pools help to give our clients the information needed to make a knowledgeable decision regarding repair, renovation, or replacement.

Study

Through this comprehensive service, we provide the information our clients need to make a knowledgeable decision about the future of aquatics for their community. Our study process supplies the necessary tools to reveal valuable insights and information before funding and transitioning into the design and engineering phase of a new aquatic facility.

Design

From project visioning and development through sealed engineering drawings, we do it all. Even when starting with just a sketch of a client's vision, we work closely and collaboratively throughout the design process to create aquatic facilities that meet or exceed our clients' dreams while staying within budget.

Operate

At Counsilman-Hunsaker, our goal is to optimize both our client's daily operations and the aquatic users' experiences. Following the successful completion of design and construction, our in-house swimming pool operators continue to assist many of our clients with on-site facility

operations. Our operations team is comprised of highly trained, experienced professionals who have obtained the highest ranking of Health and Safety Instructor certifications available. Our clients benefit from the experience and knowledge of our team, knowing that our recommendations and operational services are supported by all the leading aquatic safety providers.

Web-Apps

Peace of mind comes through an efficient and safe facility but managing risk appropriately and effectively can be a challenge for operators. That's where HydroApps comes in, a full suite of web-based applications that takes aquatic facility management and professionalism to the next level. Developed in partnership with some of the most highly-regarded operational and educational leaders in the industry, our HydroApps provides aquatic facilities with the benefit of our combined aquatic knowledge and innovation along with the tools to streamline compliance, documentation, and record keeping.



In 2015, Councilman-Hunsaker performed a feasibility which addressed a needs assessment, program requirements, and financial performance to help the city with specific information for the design of a new outdoor aquatic center. Three options were developed to meet the aquatic needs. Each option included a conceptual drawing, project cost, and pro forma.

In 2017, the new 7,500 sq. ft. aquatic center opened to the public and included a competition pool, slides, and lazy river. The competition pool is set to host swimming lessons, swim team practices, swim meets and water basketball games. Aquatic amenities include:

3,500 sq. ft. Lap Pool

- Six 25-yard lap lanes
- Stair entry
- Two 1-meter diving boards
- Volleyball and basketball nets

7,500 sq. ft. Leisure Pool

- Lazy river
- Two stair entries
- Two waterslides
- Play structure
- Tot slide
- Various spray features
- Spray pad



Councilman-Hunsaker also performed Pre-Opening Services including: an assessment of operational needs, produced a Standard Operational Procedures Manual and trained management team on the following:

- Operational procedures, including opening, daily, and closing duties of all staff
- Orientations, weekly in-services, emergency action plans, evaluations, and documentations
- Maintenance needs and practices, including daily cleaning, water quality management, and weekly pool and amenity upkeep



Project Cost: \$6,000,000
Aquatics Cost: \$3,850,000
Date Completed: July 2017

Services Provided:
Aquatic Design & Engineering: 2017
Aquatic Operations: 2017
Feasibility Study: 2015



The Copper Sky Recreation Complex is the sporting, fitness, and leisure destination in Maricopa. Comprised of the Copper Sky Multigenerational Center and the Copper Sky Regional Park, this expansive recreational development offers state-of-the-art equipment, green spaces and intriguing programs designed to enhance Maricopa residents' quality of life.

The complex features extensive recreational opportunities including two outdoor pools, a full fitness center, two indoor basketball courts, eight multi-purpose fields, a dog park, skate plaza and a 5-acre fishing lake.

The 13,000 sq. ft. outdoor aquatic center is a fun-filled outdoor swim and sun oasis open for the summer swim season. The lap pool is heated and available for year-round use. Features include:



4,600 sq. ft. Competition Pool

- Eight 25-yard lap lanes
- Stair entry
- Two 1-meter diving boards

6,300 sq. ft. Leisure Pool

- Multiple stair entries
- Waterslide
- Current channel
- Vortex
- Rock climbing wall
- Spray features
- Water volleyball and basketball
- Floatable raft



1,900 sq. ft. Sprayground

- Railroad themed features including a railroad crossing complete with railroad tracks
- Custom dumping water tower feature

Project Cost: \$16,000,000
Aquatics Cost: \$2,200,000
Date Completed: March 2014
Services Provided:
Aquatic Design & Engineering



Marshall University wanted to provide a center that would bring health and wellness programs together, while promoting a sense of community. Used as an attraction / retention tool, the new 121,000 sq. ft. Student Health Recreation Wellness Center provides a place where students can pursue exercise, leisure experiences, and recreation activities.

The facility offers a natatorium, a 1/7 mile running track, group exercise rooms, basketball, volleyball, racquetball, badminton and pickleball courts and a climbing wall. The facility also will be equipped with a wide range of exercise equipment, including treadmills, step machines and weight machines. Counselman-Hunsaker teamed with Hastings & Chivetta Architects to design Marshall's new aquatic center, including aquatic amenities such as:

3,900 sq. ft. Indoor Leisure Pool

- Fitness lap lanes
- Vortex
- Underwater bench seating
- Water volleyball area
- 195 sq. ft. whirlpool spa

Publications:

2010 - 'Architectural Showcase'
Athletic Business magazine

Project Cost: \$2,900,000

Aquatics Cost: \$700,000

Date Completed: March 2009

Services Provided:

Aquatic Design & Engineering



Photos courtesy of Phil Wegener



Located in a neighborhood park that supports a wide variety of recreation opportunities, the new Scott Carpenter Pool redevelopment project includes the only 50-meter pool in the city of Boulder. This unique amenity supports many aquatic recreational needs of the Boulder community, including swim meets for the Boulder Barracudas Swim Club. The pool redevelopment meets the needs of the community such as balancing lap swimming capacity with open swim availability, providing amenities that are multi-generational and multi-use, providing a renovated bathhouse to support the pool use, exploring partnership opportunities to leverage current funding, and incorporating sustainability measures where feasible. Based upon the goals of the project and feedback from the community, the existing "L" shaped lap pool was replaced with an 87,120 sq. ft. aquatic center featuring a 10 lane, 50-meter pool, a bathhouse that was extensively renovated and expanded, and new leisure amenities which will serve all ages.

Councilman-Hunsaker was responsible for the design and engineering of the pools, sprayground, pool mechanical equipment, and the hydraulic, heating, filtration, and chemical treatment systems for the swimming pool and sprayground components. Aquatic amenities include:

12,300 Sq. ft. Competition Pool

- Ten 50-meter lap lanes
- Twenty 25-yard cross-course lap lanes
- Water volleyball
- Water basketball

8,000 sq. ft. Recreation Pool

- Faux rock-climbing wall
- Three-meter tower with dropslide and jumping platform
- Lazy river
- 1-meter diving board
- Zero-depth entry
- Space-themed play structure

1,800 sq. ft. Sprayground

- Rocket-themed fountain feature
- Double runout waterslide tower

Funding sources for the project included \$4.2 million from the 2017 renewed community, culture and safety tax, \$5.3 million from the park development excise tax, and \$4.7 million from the Parks and Recreation Capital Improvement funds.

Reference:

Bryan Beary
Community Building + Partnerships Manager
Boulder Parks & Recreation
3198 Broadway
Boulder, CO 80304
Phone: 303.413.7273
Email: bearyb@bouldercolorado.gov
Project Cost: \$15,755,500
Aquatics Cost: \$4,661,000

Start Date: April 2017; Date Completed: August 2020

Services Provided:
Aquatic Design & Engineering



In 2019, the City of Aurora commissioned Councilman-Hunsaker to perform a Facility Audit on the existing swimming pools located in Parklane Park. An opinion of probable cost for recommended repairs was provided and compared to the cost of full replacement. After analyzing the costs, the City opted to renovate the existing lap pool, replace the wading pool with a new sprayground, and demolish and replace the existing bath house.

After undergoing much-needed improvements, the Parklane Pool finally reopened the summer of 2022. The renovation utilized a portion of the existing smaller bath house's basement while replacing the entire first floor. The pool equipment in the mechanical room, located in the basement, was fully replaced with state-of-the-art filtration, pumping, heating, and chemical treatment equipment.

Renovations were also made to the existing lap pool including the replacement of grab rails, pool lift, perimeter coping, skimmers, pool finish, and the addition of two climbing walls. The new 900 sq. ft. sprayground includes a variety spray features for children to enjoy.

Reference:

Andrew Van Essen
City of Aurora
Project Manager
P.O. Box 441002
Aurora, CO 80044
Phone: 303.739.7000
Email: avanessen@auroragov.org

Date Started: February 2019
Date Completed: November 2021

Services Provided:
Aquatic Design & Engineering: 2021
Facility Audit: 2019

Project Cost: \$2,000,000
Aquatics Cost: \$560,000
General Contractor: TCC Corporation
Pool Contractor: High Country Pools and Spas



The Florida Aquatics Swimming & Training (FAST) facility is the premier swimming, training and competition venue in the Southeastern United States. Designed to host swimming competitions for local, state, and national competitors, FAST features an indoor 50-meter competition pool, an outdoor 50-meter warm-up pool, and an outdoor sprayground. The outdoor warm-up pool is a pre-engineered stainless-steel system built by Myrtha and was previously used for the U.S. Olympic Trials.



FAST will provide a wide variety of programs beyond recreation and competition. The programs at FAST will include swim lessons, drowning prevention, aquatic therapy and fitness, and life-saving water training for lifeguards and fire and rescue personnel.

Aquatic features an indoor 27,200 total sq. ft natatorium as well as a 40,000 sq ft. outdoor area.

12,325 sq. ft. Indoor Competition Pool

- Ten 50-meter lap lanes
- Two 1-meter and two 3-meter diving boards

2,000 spectators seating

- 16,000 sq. ft. Outdoor Warm Up Pool
- Eight 50-meter lap lanes and six 25-meter lap lanes
- Myrtha pre-engineered pool construction

2,250 sq. ft. Sprayground

- Various spray features



Reference:

Jim Walkup - Project Manager
On Top of the World, LLC
8435 SW 80th Street
Ocala, FL 34481
Phone: 352.873.0848

Email: Jim_walkup@otowfl.com
Project Cost: \$33,777,245

Aquatics Cost: \$5,400,000

General Contractor: Parrish McCall

Pool Contractor: Weller Pools

Date Completed: March 2022

Services Provided:

Aquatic Design & Engineering

Publications:

'Aquatic Design Portfolio' - 2023 *Athletic Business* magazine

'Dream Designs' - 2023 *Aquatics International* magazine



In 2011, residents voted in favor of a \$26 million bond referendum for a new aquatic facility and sports park for the City of Rogers, Arkansas. That dream became a reality in 2013 with the opening of the Rogers Aquatic Center.

The aquatic facility features over 18,000 sq. ft. of water surface in five bodies of water and showcases exciting amenities for all ages. Upon entering the facility, patrons are drawn past the lazy river to the towering waterslide complexes – one featuring a bowl slide and two speed slides and the other providing two twisting body flumes. The lazy river offers a variety of active and passive spaces including water lounge areas and an elevated plunge pool with an overflowing edge.



The six-lane competition pool provides for everything from fitness and recreational programming to competitive swim meets and diving. For small children and families, a spray pad and two family pools were designed to keep the young ones entertained for hours on end.

- 3,500 sq. ft. Competition Pool with six 25-yard lap lanes, stair entry, and two 1-meter diving boards
- 7,500 sq. ft., 10 ft. wide Lazy River with three stair entries, underwater bench, vortex, underwater shelf, spray features and an elevated slide plunge pool with an overflow edge spilling across the adjacent water lounge area
- Two separate 35 ft. tall body flume slide towers, two high-speed runout slides and a bowl slide
- 5,000 sq. ft. Leisure Pool with zero depth entry, two stair entries, interactive play structure, lily pad walk, water volleyball and basketball, spray features, underwater bench and underwater shelf
- 1,600 sq. ft. Plunge Pool with two stair entries, exit for bowl slide and rock climbing wall
- 800 sq. ft. Tot Pool with play structure, zero entry, kiddie slide, cascade and spray features
- 1,200 sq. ft. Sprayground with multiple in-ground and above ground spray features



Publications and Awards:

2016 - 'Dream Designs' *Aquatics International* magazine
2015 - 'Arkansas ACEC Design' Award

Project Cost: \$12,300,000
Aquatics Cost: \$4,000,000
Date Completed: May 2013
Services Provided:
Aquatic Design & Engineering



Moncove Lake State Park Swimming Pool and Bathhouse

West Virginia Division of Natural Resources
324 4th Avenue
South Charleston, West Virginia 25303

The Moncove Lake State Park swimming pool features a stainless steel gutter recirculation system and a wading pool surrounded by spraying jets of water. The 25-meter pool is a long-needed addition to the state park located south of Lewisburg.

In order to provide adequate water for the pool, not only was the construction of a pool filter room required, but the entire water system for the park had to be renovated. The water system design included a larger well pump, a larger green sand filter to remove iron, and upgraded water storage and filter backwash capabilities.



Pipestem Sprayground
Pipestem Resort State Park
3405 Pipestem Drive
Pipestem, West Virginia 25979

As part of the design team of CAS Structural Engineering, Chapman Technical Group helped plan and design a new sprayground for Pipestem Resort State Park for the West Virginia Division of Natural Resources. Chapman Technical Group was responsible for the overall planning and layout of the facility which includes a new sprayground, bathhouse, parking, and a pedestrian bridge linking the site to the McKeever Lodge across the street.

As part of the project, the old swimming pool and recreation center will be demolished and transformed into additional outdoor recreation space for the park.



The West Virginia Division of Natural Resources swimming pool at the Laurel Lake Wildlife Management Area near Lenore, West Virginia had fallen into serious disrepair and had actually closed down. Chapman Technical Group designed a rehabilitation of the pool that included a new stainless steel gutter recirculation

system, a membrane liner, a new interactive wading pool, and new concrete decks. After the demolition of the old bathhouse, a new bathhouse was built which also houses the filtration equipment for the wading pool. The project was completed in 2010 at a cost of \$714,000.

WV Division of Natural Resources Laurel Lake Wildlife Management Swimming Pool Mingo County, West Virginia





Joseph E. Bird, ASLA

Senior Vice President Project Manager

Years of Experience: 44
Years with Chapman: 37

Education

B.S., Landscape
Architecture, 1978
West Virginia University

Registration

Architect: WV, KY, IN

Affiliations

Council
of Landscape
Architectural
Registration Boards

WV Chapter,
American Society of
Landscape Architects

Experience

Joe has been involved in a wide range of projects in his 40+ years of experience. In addition to his landscape architectural design experience, he has served as Project Manager for many major multi-discipline projects ranging from site development to major architectural projects. His experience includes coordinating the efforts of various local, state, and federal agencies.

Site Development

Site planning and project management for numerous projects throughout West Virginia ranging from small campus sites to large sites for commercial, government, industrial, and institutional development. Projects include military complexes, campuses, public housing developments and other public facilities.

Parks and Recreation

Projects include, master planning for municipal parks, swimming pools, bathhouses, cabins and support facilities for the West Virginia Division of Natural Resources and similar facilities for county and municipal park systems. Also involved in the design of facilities such as softball fields, fishing access facilities, recreation facilities for prisons, as well as passive recreation areas for public and private clients.

Miscellaneous

Other project experience includes the urban planning and development, streetscape design, roadway and storm drainage projects, as well as the project management of numerous major architectural projects throughout West Virginia.

Recent Relevant Experience

Old Central City Gazebo Space Redesign; Huntington, WV
Smith Street Streetscape; Charleston, WV
St. Albans C Street Plaza; St. Albans, WV
Scottsville Streetscape; Scottsville, KY
Meadow River Trail; Greenbrier County, WV
Clear Fork Trail; Raleigh County, WV



CARL NYLANDER P.E.

Principal – Studio Director

PROFESSIONAL BACKGROUND

Carl Nylander is an award-winning designer experienced with projects serving municipalities, universities, YMCAs, school districts, and hospitality establishments. With a specific emphasis on projects in the northeastern region of the United States, Carl has demonstrated an ability to lead diverse groups through the planning, design, and construction process. As a former competitive collegiate swimmer, coach, lifeguard, and instructor, his insight into the aquatics industry provides practical, cost-effective, and efficient designs along with a unique understanding of aquatic programs and their requirements. In each project, Carl is responsible for the design of all swimming pool mechanical systems. In addition to his design responsibilities, Carl has served as the Chairman of the Facility Design & Construction Technical Committee as a part of the Model Aquatic Health Code overseen by the Centers for Disease Control from 2009 through 2013 and now sits on the Board of Directors for the Conference for the Model Aquatic Health Code.

RECENT AWARD-WINNING DESIGNS

Facilities of Merit Award, <i>Athletic Business</i>	Outstanding Sports Facility Award, <i>NIRSA</i>
Shane Holmes at Rocky Ridge Calgary – 2018	Colby College – Harold Alford Athletics and Recreation Center – 2022
Auburn University – 2014	Honorable Mention Award,
University of Connecticut – 2021	Learning by Design
Colby College Recreation Center – 2021	Malcom X College – IL – 2018
Hackley School – 2021	

NOTABLE PROJECTS

2015 Pan American Games – Toronto – ON
 Boston Celtics Training Facility – Red Auerbach Center – Boston – MA
 Boston College – Margot Connell Recreation Center – Chestnut Hill – MA
 Colby College – Harold Alford Athletics and Rec Center – Waterville – ME
 Derry Township – New Community Recreation Building – Derry – PA
 Georgia Institute of Technology – Football Training Center – Atlanta – GA
 GLOW YMCA and Rochester Regional Health – UMMC – Batavia – NY
 Jackson High School – Jackson – MI
 New York University – New York – NY
 Oberlin College – Carr Natatorium – OH
 Parkview Health YMCA – Warsaw – IN
 Remington YMCA – Quarry Park Recreation Facility – Calgary – AB
 Rolling Hills Park Aquatic Center – Peters Township – PA
 Rhode Island College – Campus Recreation Center – Providence – RI
 Shane Homes YMCA at Rocky Ridge – Calgary – AB
 Syracuse University – The Barnes Center at The Arch – Syracuse – NY
 The Cove at Piazza – Philadelphia – PA
 The Hawk Recreation Center – Farmington Hills – MI
 University of Connecticut – Student Recreation Center – Storrs – CT
 University of Michigan – Football Performance Center – Ann Arbor – MI

EDUCATION

Georgia Institute of Technology
 Bachelor of Science
 Mechanical Engineering – 2003

YEARS OF EXPERIENCE

With Councilman-Hunsaker
 2004 – Present

PROFESSIONAL REGISTRATIONS

CT, DC, DE, IN, KY, MA, MI, MO, NH,
 NJ, RI, MN

RELEVANT EXPERIENCE

2002 – 2003
 Assistant Swim Coach
 Georgia Institute of Technology

1998 – 2002
 Competitive Swimmer
 Georgia Institute of Technology
 Team Captain in 2002

CERTIFICATIONS & AFFILIATIONS

Professional Engineer – Mechanical

Model Aquatic Health Code –
 Facility Design & Construction
 Technical Committee Chairman:
 2009 – 2013

Conference for Model Aquatic
 Code – Technical Review
 Committee Chairman: 2015 & 2017
 Board of Directors: 2017 – Present

Certified Pool/Spa Operator – PHTA

Two-Time Power 25 Recipient, Most
 Influential Industry Professionals,
Aquatics International.



W. Thomas Cloer, III

NCARB, AIA
Project Architect

Years of Experience: 22
Years with Chapman: 17

Education

B.S., Architecture, 2001
University of Tennessee

Registration

Architect: WV, VA, KY

Affiliations

National Council
of Architectural
Registration Boards

WV Chapter,
American Institute
of Architects

St. Albans Historic District
Committee Member

Experience

Tommy has extensive architectural experience, having worked with clients on programming, planning, budget analysis, design, construction documents, bidding, construction phase services, and code compliance. He regularly provides leadership in architectural design and project management for new building design and renovation projects such as K-12, parks and recreation, and government and municipal facilities.

Tube Park Lodge; Canaan Valley, WV

Project Architect for the New Tube Park Lodge and other existing facilities upgrades that were part of a wide range of improvements to the ski area at Canaan Valley Resort State Park. The new tubing lodge features a wood burning fire place, rest rooms, a concession stand for hot drinks and an outdoor patio with wood-burning fire pit.

Pipestem State Park Spray Ground; Pipestem, WV

Project Architect for the new spray ground building and other existing facilities upgrades. The 1,600 sf spray ground building serves as the bathhouse, office and pump and filter room for the new spray ground adjacent to the building.

Various State Park Cabins

Project Architect for 3 new 2,200 sf deluxe 4 bedroom cabins at Chief Logan State Park. This project also included utilities upgrades and a new access road. Project Architect for 13 new 1,500 sf modern 4 bedroom cabins at Blackwater Falls State Park. This project included site development, and utilities upgrades while also minimizing the environmental impact. Tommy was also the Project Architect for renovations to 9 cabins at Watoga State Park.

Pipestem State Park Lodge Renovations; Pipestem, WV

Project Architect for renovations to McKeever Lodge including facade improvements related to structural repairs, plaza surface replacement, and locker room renovations. Tommy also served as the Project Architect for similar projects at Twin Falls and Hawks Nest State Park

Blackwater Falls State Park Lodge Vehicular Entry Canopy; Davis, WV

Project Architect for new 3 lane vehicular entry canopy at entrance to lodge building. The new entry canopy provides protection from the weather while loading and unloading vehicles and entering the

Deluxe Picnic Shelters

Project Architect for two new deluxe picnic shelters. The shelters will accommodate approximately 150 people and include mens and womens toilet rooms and a kitchen for food prep and serving.



Robert G. Belcher, P.E.

Senior Vice President
Project Officer

Years of Experience: 39
Years with Chapman: 36

Education

B.S., Civil Engineering, 1983,
West Virginia Institute of
Technology

Registration

Civil Engineer: WV, OH, VA

Affiliations

WV Water Environment
Association

Contractor's Association of
WV

WV American Water Works
Association

WV Society of Professional
Engineers

WV American Council of
Engineering Companies

WVUIT Civil Engineering Ad-
visory Board

WV Qualifications Based
Selection Council

Awards

George Warren Fuller
Award, 2001

Experience

Water Systems

Design and project management for numerous water systems for both public and private water companies. Projects include new water treatment plants as large as 6.0 MGD, improvements to existing plants, water mains and distribution systems. Water storage projects include glass-lined steel tanks, welded high-strength steel tanks, elevated pedestal tanks, and pre-stressed concrete tanks.

Wastewater Systems

Design and project management for numerous wastewater systems throughout West Virginia. Projects include new, secondary and tertiary wastewater treatment plants as large as 4.5 MGD, improvements to existing plants, small-flow treatment plants, new and rehabilitation of wastewater collection systems, and facility plan updates.

Miscellaneous

Design and project management for large highway and bridge projects, airport improvements projects, large stormwater management projects including assistance with MS4 compliance, as well as potable water and wastewater system design for site development projects throughout West Virginia.



Monty Maynard, PE

LEED AP BD+C

Vice President

Years of Experience: 45
Years with GRW: 26

Education

B.S., Electrical Engineering,
1978,
University of Kentucky

Registration

Professional Engineer
(Electrical): KY, WV, IN, GA,
TN, TX, FL

LEED Accredited
Professional, Building
Design + Construction

Affiliations

National Fire Protection
Association

International Society of
Automation

American Council of
Engineering Companies

National Council of
Examiners for Engineering
and Surveying

Experience

Monty's experience with electrical design, process instrumentation and control design, and project management is extensive. He has been involved with the design of building systems for more than 300 projects, ranging from water resources projects to the design-build of federal prisons with total construction values as high as \$984 million. His areas of technical expertise include electrical power distribution, substation design, alarm systems, communications, lighting, lightning protection, instrumentation/controls/telemetry, power quality, energy efficiency and code compliance.

Cumberland Valley Technical College Building One Renovation; Harlan, KY

Electrical Engineer. Renovation design for 31,000 SF building including updated exterior appearance, and modernized teaching spaces. Work included total replacement of building mechanical and electrical systems.

Fort Knox Macdonald Elementary School Renovation; Ft. Knox, KY

Principal-in-Charge. Renovation of a 63,000 SF Army school with year-round schedule. Involved a new standing seam roof installed over 48,000 SF to create an attic for 100% replacement of existing HVAC system equipment with geothermal-based heat pump system, new electrical service system, and fire alarm system upgrade.

Lexington Catholic High School Phase II Addition, Lexington, KY

Engineering Manager. 48,000 SF addition included 1800-seat two level gymnasium and running track, performing arts stage, art wing, and new administration area.

Marshall University Weisberg Family Engineering Laboratory, Huntington, WV

Electrical Engineer. New, 16,000 SF engineering laboratory building. Building security systems included access control and CCTV. HVAC systems feature rooftop VAV systems with variable electric reheat.



Cory Sharrard, PE

LEED AP

Mechanical Engineer

Years of Experience: 23
Years with GRW: 3

Education

B.S., Industrial Technology,
1996, Murray State University

B.S., Mechanical Engineering,
1998, University of Kentucky

Registration

Professional Engineer: KY, IN,
OH, WV, NY, TN

NCEES Member allows
reciprocity with other states

LEED AP

Affiliations

American Society of Heating,
Refrigerating and Air-
Conditioning Engineers

Kentucky Society of
Professional Engineers

Experience

Cory possesses more than 20 years' experience with mechanical engineering including design of traditional water source heat pump (WSHP), geothermal WSHP, hybrid geothermal WSHP, variable refrigerant flow (VRV), split system, rooftop units, unit ventilators, variable air volume (VAV), and ice storage systems. Her experience includes numerous K-12, higher education, vocation school, detention center, church, and library projects.

WV Division of Natural Resources Building 74 - South Charleston, WV

Mechanical Engineer for evaluation and recommendations for possible improvements and upgrades to building systems in three-story, 37,000 SF, masonry-construction facility that houses approximately 100 employees. Among improvements selected for design are replaced of heating and cooling systems, windows, TS fighting with LED lighting LED fixtures, and replacement of ceilings and floor finishes, as well as new DDC controls throughout building.

WV Capitol East Campus - Charleston, WV

Mechanical Engineer for planning, design, and bidding services for a 26,771 SF warehouse facility with surplus and receiving, a warehouse store, office area, maintenance shop with welding, grounds mechanic shop for vehicle maintenance, and equipment storage facility serving the General Services Division on the Capitol East Campus. Included are an open storage and bulk storage building, as well as a separate building for Capitol mail room.

Clay County Schools Bus Garage; Clay, WV

Mechanical Engineer; FEMA funded project for new bus garage constructed above 100 year flood elevation. Project included 5,000 SF masonry garage (constructed on deep foundations) with two service bays, wash bay, parts storage, and drivers lounge. Separate building houses spare tires.

Clay County High School Renovation and Addition; Clay, WV

Mechanical Engineer; Design and construction administration phase services for gymnasium and locker rooms, commons area, and HVAC system renovations; door/window replacement; and security/communications system improvements. Portion of construction will occur during summer months, but most was completed while school is occupied.

Buffalo Trace Distillery Design-Build Process Building at Wastewater Treatment Plant; Frankfort, KY

Architectural, mechanical, process, and structural design services for design-build of process building at Buffalo Trace Distillery's wastewater treatment plant in Frankfort, KY. Approximate 13,000 SF pre-engineered metal building, with height of up to 33 feet, houses equipment and processes for new wastewater treatment plant.



Structural Engineering, Inc.

Carol A. Stevens, P.E. Structural Engineer

EDUCATION

West Virginia University, BSCE, 1984
Chi Epsilon National Civil Engineering Honorary
The Pennsylvania State University, ME Eng Sci, 1989

PROFESSIONAL REGISTRATION

P.E.	1990	Pennsylvania
P.E.	1991	West Virginia
P.E.	1994	Maryland
P.E.	2008	Ohio

BACKGROUND SUMMARY

2001 – Present	President, Structural Engineer CAS Structural Engineering, Inc.
1999 – 2001	Structural Engineer Clingenpeel/McBrayer & Assoc, Inc.
1996 – 1999	Transportation Department Manager Structural Engineer Chapman Technical Group, Inc.
1995 – 1996	Structural Engineer Alpha Associates, Inc.
1988 – 1995	Structural Department Manager Structural Engineer NuTec Design Associates, Inc.
1982 – 1988	Engineer AAI Corporation, Inc.

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers, WV Section
Past Past President
National Society of Professional Engineers
American Concrete Institute
American Institute of Steel Construction
West Virginia University Department of Civil and
Environmental Engineering Advisory Committee
West Virginia University Institute of Technology
Department of Civil Engineering Advisory Comm

CIVIC INVOLVEMENT

ASCE Christmas in April Project

EXPERIENCE

West Virginia, Central West Virginia Transit Authority (CENTRA): Repairs to existing facility roof and parapet wall to repair leaks.

West Virginia, Bluefield Transit Building: Design of new office, maintenance and bus storage facility for the Bluefield Transit Authority.

West Virginia, State Capitol Complex, Dome Structure: Exploratory investigation and preparation of construction documents for repairs to structural steel in Capitol Dome.

West Virginia, State Capitol Complex, Building 3: Structural design and construction administration of repairs and renovations to limestone canopy.

West Virginia, State Capitol Complex, Main Capitol Building Parapet: Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/cracking/leaks. Construction contract for repairs has been awarded and work is progressing. Building is on State Historic Register.

West Virginia, Huntington Parking Garage: Designed structural repairs to existing parking facility. New deck expansion joints were installed at the upper level and a new deck coating system was applied to parking level above retail space.

West Virginia, State Capitol Complex, Governor's Mansion: Structural analysis and design in addition to evaluation report for modifications and renovations to several areas of mansion. Building is on State Historic Register.

West Virginia, State Capitol Complex, Holly Grove Mansion: Structural evaluation report for preliminary condition assessment of building structure. Building is on State Historic Register.

West Virginia, State of West Virginia Building 2, California Ave Parking Garage, Charleston, WV: Performed condition survey of existing 1950's reinforced concrete parking facility and recommended repairs to Owner. Owner opted to raze structure.

West Virginia, St. Mary's Parking Structure: Performed condition survey of existing post-tensioned

P.O. Box 469

Alum Creek, WV 25003-0469

(304) 756-2564 (voice)

(304) 756-2565 (fax)

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Structural Engineering Certification Board

parking structure designed in 1978. Recommended repairs to the Owner.

Pennsylvania, Sewickley Manor Parking Garage: Performed condition survey of existing parking structure constructed in the 1960's. Structure consists of precast concrete beams and joists supported by concrete columns. Recommended repairs to Owner.

Pennsylvania, Holiday Inn Parkway East: Performed condition survey of existing structure designed in 1974. Determined that there were structural deficiencies and recommended repair solutions to Owner.

Pennsylvania, Fifth & Neville Apartments Parking Garage: Performed condition survey of existing parking structure constructed in the 1960's. Recommended repair solutions to Owner.

West Virginia, Upshur County Courthouse: Developed construction documents for structural repairs to main entrance and dome of 1899 structure. Work is currently under contract.

PREVIOUS EXPERIENCE

West Virginia, Huntington TTA Bus Garage: Designed repairs to existing building foundation and floor slab in office area for project including renovations of offices, driver's and mechanic's area and locker room recreations room/break room.

West Virginia, State Capitol Building: Designed structural system to replace deteriorated reinforced concrete slab at landing on north side of Capitol steps.

West Virginia, Farrell Law Building: Performed analysis of existing deteriorated structural sidewalk over parking area. Recommended repair solutions for reinforced concrete and aged terra cotta façade of 1920's building.

West Virginia, Upshur County Courthouse Annex: Performed structural evaluation and design for repairs to existing multi-story Annex addition.

West Virginia, Sissonville Library: Structural design of new 7,000 SF branch library. Structure consisted of wood framing.

West Virginia, Cabell Huntington Hospital Boiler Mezzanine: Structural analysis and testing of existing reinforced concrete mezzanine with significant degradation from brine tank leakage. Developed new structural system to replace existing concrete mezzanine utilizing steel framing and steel grating.

West Virginia, Beckley Wastewater Treatment Plant: Designed reinforced concrete tanks and masonry support structures for new wastewater treatment plant.

West Virginia, Morgantown High School Additions: Designed steel framing and foundations for science classroom, cafeteria and gymnasium additions to existing education complex.

West Virginia, Grafton High School Addition: Designed steel framing and foundations for new science classroom addition to existing high school.

Pennsylvania, Metropolitan Edison Company, Headquarters: New 80,000 SF two-story office addition to existing complex.

Pennsylvania, Defense Distribution Region East: Structural engineering and design for a 33,000 SF Hazardous Materials Storage Warehouse.

Pennsylvania, Glatfelter Insurance: Design of steel framing and foundations for new 30,200 SF building.
Maryland, U.S. Army Corps of Engineers, Baltimore District, Administration Building: Seismic design of new 10,000 SF masonry building.

Pennsylvania, Carlisle Syntec: Design of foundation supports for 800,000 lb rubber vulcanizing machine; enlargement of foreman's office including new framing to support mechanical equipment on roof; new monorail installation; extension of existing gantry rail.

Pennsylvania, Engel Worldwide: Steel framing and foundations for new 12,000 SF two-story office building; design of crane beams and columns for adjacent 60,000 SF crane building.

Pennsylvania, AMP IMF: Structural design for the renovation and conversion of a stamping facility into an integrated manufacturing facility (IMF) housing operations for stamping as well as blow molding processes.

Texas, York International: Structural survey of existing building structure for modifications to incorporate large testing and manufacturing areas for mechanical equipment.

Maryland, Columbia 100: Design of structural steel framing for new two-story 43,000 SF office building.

Pennsylvania, York Federal Savings and Loan Association/New Service Corporation: Design of steel framing, reinforced concrete retaining wall and foundations for new 14,400 SF two-story office building.

Pennsylvania, Yorktowne Parking Garage: Study of reinforced concrete/steel framed parking garage.

REFERENCES



1. Ms. Damita Johnson
City Manager
City of Oak Hill
100 Kelly Avenue
Oak Hill, WV 25901
(304) 469-9541
2. Honorable Scott James, Mayor
City of St. Albans
1488 MacCorkle Avenue
St. Albans, WV 25177
(304) 722-3391
3. Mark A. Crites
Building Project Management Specialist
General Services Division – Engineering Section
Building 4, Fifth Floor
112 California Avenue
Charleston, WV 25305
(304) 352-5515



Counsilman · Hunsaker

AQUATICS FOR LIFE

References

Mark Nottingham, Parks Planner
City of Greenville
Greenville Recreation and Parks Department
Parks Division
200 W 5th Street
Greenville, NC 27858
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Email: mnottingham@greenvillenc.gov

Chris Hale
Aquatic Technician
City of Denver
3375 Wright St.
Wheat Ridge, CO 80033
Phone: 303.549.3248
Email: christopher.hale@denvergov.org

Bryan Turner
Mecklenburg County Government
Senior Project Manager, Justice, Government & Historic Landmark Facilities
1112 Harding Place, Ste. 200
Charlotte, NC 28204
Phone: 980.314.2504
Email: Bryan.turner@mecklenburgcounty.org

Jennifer Brown, COO
YMCA of Southwestern IN, Inc.
Manage Deaconess Aquatic Center
24 Don Mattingly Way
Evansville, IN 47710
Phone: 812.492.6702
Email: brown@ymcaswin.org

Patrick Walker, Operations Manager
The Bridge Sports Complex
400 Forrester Boulevard
Bridgeport, WV 26330
Phone: 304.848.8270
Email: pwalker@thebridgewv.com

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Joseph E. Bird, Senior Vice President

(Address) 200 Sixth Avenue, St. Albans, WV 25177

(Phone Number) / (Fax Number) 304-727-5501/ N/A

(email address) jbird@chaptech.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Chapman Technical Group

(Company) 

(Signature of Authorized Representative)

Joseph E. Bird, Senior Vice President January 9, 2024

(Printed Name and Title of Authorized Representative) (Date)

304-727-5501 / N/A

(Phone Number) (Fax Number)

jbird@chaptech.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0310 DNR2400000005

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Chapman Technical Group

Company

Authorized Signature

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.