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WILLIAM T. DRAKELEY, JR.

William "Bill" Drakeley is an award-winning shotcrete technologist specializing in concrete science and construction, particularly shotcrete applications, techniques, and standards, with thirty years (+) experience in shotcrete installation, waterfeature and geotech design and construction.

The principal and founder of Drakeley Pool Company, a luxury design/build firm based in New England, Bill is the first and only pool builder to sit as a Voting Member of the American Concrete Institute's (ACI) Committee 506 Shotcrete. Bill sat as the 2016 President of the American Shotcrete Association (ASA), is currently the Chairman of the ASA's Pool and Recreational Shotcrete Committee, and Chairman of the ACI's Committee 506-OH Shotcreting – Pools.

An educator and advocate for high industry standards, Bill has most recently developed and launched Watershape University (WU) with colleague David Peterson, P.E. to provide the highest quality of live instruction of business, design, engineering, and construction programs to students of all levels of pool, spa, aquatics, and outdoor living sectors. Bill has conducted trainings for the Colorado School of Mines, the American Society of Landscape Architects (CT), World of Concrete, Genesis 3 Construction School, Aqua Show, and the IPSP among others. His technical writings have been widely published in trade magazines. As principal of Drakeley Industries, an international consulting firm specializing in shotcrete applications, Bill provides consultation and review, training and testing, and expert testimony.

CONSULTING EXPERIENCE

NYC MTA East Side Access Frontier Kemper CM006 | underground and overhead shotcrete
NYC MTA East Side Access Harold Structures CH057A | underground shotcrete
NYC MTA East Side Access Contract CM019, CM009 | underground and overhead shotcrete
NY MTA Contract C-26007, 2nd Ave Subway Rt 132A-72nd St. G3/G4 tunnels | underground and overhead shotcrete
NYC MTA East Side Access Contract CM0004 44th Street Vent Facility | nozzleman certification and testing
CCA Civil/Halmar International/LLC JV Contract C-26504 | underground and overhead shotcrete
CCA Civil/Halmer International/LLC JV Contract CM013 | vent structure and tunnel entrance ground control
DC Water Skanska Contract ARFI-055 | underground / frozen ground shotcrete
GTF Joint Venture | ACI Nozzleman Certification
Kenny/Obayashi IV, South Hartford Tunnel | underground and overhead shotcrete
Kiewit, Brayton Point Power Plant | pipe and overhead lining interior diameter of header fittings (confined space and overhead shooting)
Kiewit GE Hudson Falls project | chemical abatement and shotcrete containment
Otsville Tunnel Rehabilitation Contract 16509
Schiaivone/Kiewit JV Contract CQ-039 Northern Boulevard Crossing | underground and overhead shotcrete
TASA Expert Witness | Testing, Site Analysis, Reporting, Depositions, Trial
Drakeley Pool Company grotto/living space | ground support/shotcrete storage caves | overhead and underground shotcrete

TRADE CREDENTIALS

State of Connecticut Licensed Swimming Pool Builder
License # SPB.0000004

Home Improvement Contractor
CT DCP License # HIC.0567297
NY DCP License # WC-23770-H11

Plumbing and Piping Limited Contractor
CT DCP License # PLM.0280149-SP

NATM Training and Practice



AFFILIATIONS

Watershape University (WU)
Founding Member
President
Featured Educator

American Concrete Institute (ACI)
Voting Member, Committee 506 – Shotcreting
Member, Committee 506-0F Shotcreting - Underground
Chairman, Committee 506-0H Shotcreting - Pools
Secretary, C660 Nozzleman Certification Task Group
ACI Shotcrete Examiner
ACI Field Inspector – Grade 1
ACI-Certified Nozzleman

American Shotcrete Association (ASA)
President (2016)
Member, ASA Executive Council
Chairman, ASA Pool & Recreational Shotcrete Committee
Voting Member, ASA Underground Shotcrete Committee
Technical Writer, *ASA Shotcrete Magazine*

Certified Judge, Project of the Year Award
Approved Educator

Retired Master, *Society of Watershape Designers*
Board of Direction, *Connecticut Chapter of the Association of Pool and Spa Professionals*
Member, *Association of Pool and Spa Professionals*
Board of Direction, Education Committee Member &
Featured Educator, *Northeast Pool and Spa Association*
Featured Educator, *International Pool Spa Patio Expo*
Featured Educator, *World of Concrete*
Featured Educator, *National Plasterers Council*

EDUCATION

Northeastern University
Bachelor of Science in Business Administration 1988

Dean College
Associates Degree in Business 1985

Genesis 3 Design School
Society of Watershape Designers Certification 2007
The Vocabulary of Architecture and Style | 2007
Measured Perspective Drawing | 2007
Basic Color Theory | 2007
Elements of Design | 2006
Introduction to Perspective Drawing | 2005
Watershape Construction School | 2005
Designing Water Features and Fountains | 2005

AWARDS

American Shotcrete Association Outstanding Pool & Recreational Project Award Winner 2005-2008, 2010, 2013, 2014, 2017
American Shotcrete Association Outstanding Underground Award 2013
The Northeast Spa and Pool Association Gold Award for Outstanding Achievement in Design & Building Concrete 2012, 2016, 2019
The Northeast Spa and Pool Association Best of Competition Award 2019
The Northeast Spa and Pool Association People's Choice Award 2019
Aqua 100 | Excellence Award 2006
Aqua Magazine Design Award | Concrete Pools 2005

INDUSTRY PRESENTATIONS: MODULES

A Plaster Crew's Guide to Shotcrete Issues
American Concrete Institute Nozzleman Certification Training
Advanced Construction School
Advanced Shotcrete Technologies
Basic Construction School
Basic Tile & Coping
Best Practices for Cast-In-Place Concrete as Designated by the ACI Complex Projects
Commercial Pool Profiles
Concrete Science
Construction at Difficult Sites - Introduction to Shotcrete Pneumatically Applied Concrete
Construction Techniques for a Vanishing Edge Pool
Major Renovations 2-Day Construction Course
Pool Shell Cracking in Shotcrete Construction: A Survey of Case Studies and ASA and ACI Guidelines
Project Profiles: An Interactive Discussion on Design & Construction

Reinforced Concrete Pools
Shotcrete: Sprayed Concrete as an Aesthetic & Structural Tool
Shotcrete & Plaster: Not the Marriage You Think It Is
Shotcrete Standards & Codes
Shotcrete Technologies for the Pool Industry
Shotcrete Uncovered
Site Evaluations & Field Instruments
State of the Art in Shotcrete Pool Design and Construction
The Technical Aspects of Shotcrete
Underground Shotcrete: Case Study – MTA CC / Long Island Railroad / East Side Access Project
VGB Anti-Entrapment – Code Interpretations & Installations
Waterproofing & Finishes Panel Discussion

INDUSTRY PRESENTATIONS: VENUES

American Shotcrete Association Shotcrete Convention & Shotcrete Technology Conference | 2018 Napa, CA
 Atlantic City Pool and Spa Show | Atlantic City, NJ | 2010 - 2020
 Aqua National Pool Show | 2006 - 2007
 Bel-Aqua | Tarrytown, NY | 2018-2019
 Carecraft | New York, NY | 2013, 2018
 Canadian Pool & Spa Conference & Expo | 2017
 Colorado School of Mines | Golden, Colorado | 2014
 Concrete 202 | CT Chapter, American Society of Landscape Architects | Hartford, CT | 2015
 Dive Into Swimming Pools | CT Chapter, American Society of Landscape Architects | Greenwich, CT | 2013
 Everything Under the Sun | Orlando, FL | 2019
 Genesis 3 Construction School | 2019 San Antonio, TX | 2018 Cincinnati, OH | 2017 Orlando, FL | 2016 New Orleans, LA | 2011 New Orleans, LA | 2010 Las Vegas, NV | 2009 La Jolla, CA | 2008 Atlanta, GA | 2008 Dallas, TX | 2007 Boston, MA | 2006 Morro Bay, CA
 Genesis 3 Major Renovations School | 2019 Hamilton, NJ | 2018 Apopka, FL | 2018 Long Beach, CA | 2017 Hamilton, NJ | 2017 Vista, CA
 International Pool | Spa | Patio Expo | 2019 New Orleans, LA | 2018 Las Vegas, NV | 2017 Orlando, FL | 2016 New Orleans, LA | 2010-2015 Las Vegas, NV
 Mid-America Pool & Spa Show | 2014
 National Plasterers Council | 2019 Washington, DC | 2017 New Orleans, LA | 2013 San Antonio, TX | 2012 San Diego, CA
 New York Build | New York, NY | 2018
 Southeast Pool & Spa Show | 2014
 Southwest Pool & Spa Show | 2014, 2019
 State of Connecticut Pool Building Commission | 2013
 State of Connecticut Health Department | 2009
 World of Concrete | Las Vegas, NV | 2008, 2013, 2015

PUBLICATIONS

<i>The Importance of ASA's Outstanding Shotcrete Project Awards Program</i> Shotcrete Magazine	Summer 2019
<i>Swimming Pool Renovation with Shotcrete</i> Shotcrete Magazine	Spring 2019
<i>Sound Mastery</i> Pool and Spa News	May 2019
<i>Working at Water's Edge</i> Watershapes Magazine	November 2018
<i>The Art of Estimation</i> Pool Pro Magazine	October 2018
<i>A Steep Achievement</i> Watershapes Magazine	April 2018
<i>Recreating a Masterpiece: A Successful Marriage of Cast-in-Place and Shotcrete</i> 2017 Outstanding Pool & Recreational Project Shotcrete Magazine	Spring 2018
<i>In Pursuit of Art</i> Watershapes Magazine	November 2017
<i>Shotcrete Shock</i> Pool Pro Magazine	September 2017
<i>A Jewel in the Woods</i> Watershapes Magazine	June 2017

<i>Clearing the Air</i> AQUA Magazine	March 2017
<i>Shotcrete Rising (Part III of III)</i> Shotcrete Magazine	Fall 2016
<i>Shotcrete Reborn (Part II of III)</i> Shotcrete Magazine	Spring 2016
<i>The Form of the Foreman</i> AQUA Magazine	June 2015
<i>Beginnings: The History of the Shotcrete Industry (Part I of III)</i> Shotcrete Magazine	Summer 2015
<i>Country Comfort</i> AQUA Magazine	January 2015
<i>ASA's Pool & Recreational Shotcrete Committee Position Statement #4:</i> Watertight Shotcrete for Swimming Pools Shotcrete Magazine	Winter 2015
<i>A Natural Fit, An Exact Science</i> 2014 Outstanding Pool & Recreational Project Shotcrete Magazine	Winter 2015
<i>Shotcrete Use in Pool and Recreational Projects</i> Best Practice Compilation Shotcrete Magazine	Winter 2014
<i>Cliffside Plunge: Rewriting the Rules for Concrete Placement</i> 2013 Outstanding Pool & Recreational Project Shotcrete Magazine	Winter 2014
<i>Honoring the Past</i> Watershapes Magazine	2014
<i>Teaching the Nozzlemen</i> World Tunneling Magazine	Fall 2013
<i>ACI Nozzleman Certification Sessions: What Not To Do</i> Shotcrete Magazine	Summer 2013
<i>The Learning Curve: Nozzleman Qualification for New York City Subway Tunnels</i> 2013 Outstanding Underground Project Shotcrete Magazine	Winter 2014
<i>ASA's Pool & Recreational Shotcrete Committee Position Statement #3:</i> Sustainability of Shotcrete in the Pool Industry Shotcrete Magazine	Summer 2013
<i>Perfecting Placement</i> Shotcrete Magazine	Spring 2013
<i>ASA's Pool & Recreational Shotcrete Committee Position Statement #1:</i> Compressive [Strength] Values of Pool Shotcrete Shotcrete Magazine	Winter 2012
<i>Natural Fit</i> Shotcrete Magazine	Summer 2012
<i>ASA's Pool & Recreational Shotcrete Committee Position Statement #2:</i> Definitions of Key Shotcrete Terminology Shotcrete Magazine	Summer 2012
<i>Artful Restoration</i> Watershapes Magazine	2011
<i>Soundview YMCA</i> 2010 Outstanding Pool and Recreational Project Shotcrete Magazine	Spring 2011
<i>Indoor Fortitude</i> Watershapes Magazine	2010
<i>Letter to the Editor: Waterproofing</i> Shotcrete Magazine	Fall 2010

<i>Corporate Member Profile: Drakeley Industries, LLC.</i> Shotcrete Magazine	Summer 2010
<i>Checks and Balances</i> Shotcrete Magazine	Fall 2009
<i>Spotlight: The Fast Lane</i> AQUA Magazine	2009
<i>Top of the Class</i> Watershapes Magazine	2009
<i>ASA Project Award Winner</i> Concrete International Magazine	2009
<i>Shot Above the Rest</i> AQUA Magazine	2009
<i>Canterbury High School</i> 2008 Outstanding Pool & Recreational Project Shotcrete Magazine	Spring 2009
<i>Building Lasting Bonds</i> Luxury Pools	2008
<i>Need for Nozzleman Certification in the Pool Industry</i> Shotcrete Magazine	Winter 2008
<i>Contemporary Edge</i> Shotcrete Magazine	Spring 2007
<i>How Dense Are You</i> Shotcrete Magazine	Spring 2007
<i>Engineering Expertise</i> Luxury Pools	2006
<i>Hillside Escape</i> Better Home and Gardens	Spring 2006
<i>Think Logical Technologies</i> Shotcrete Magazine	Spring 2006
<i>Shooting for Perfection</i> Pool and Spa News	2006