



## DRAKELEY INDUSTRIES

74 HICKORY LANE | BETHLEHEM | CONNECTICUT 06751

**WILLIAM T. DRAKELEY, JR.**

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William Drakeley is an award-winning industry expert 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. Services include consultation and review, training and testing, and expert testimony.

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 is also the former President of the American Shotcrete Association (ASA), the Chairman of the ASA's Pool and Recreational Shotcrete Committee, and Chairman of the ACI's Subcommittee 506-0H Pool Shotcrete.

An educator and advocate for high industry standards, 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.

### 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  
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  
Otisville Tunnel Rehabilitation Contract 16509  
Schivone/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

Master, Society of Watershape Designers  
License # KM 019-07

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 Underground Shotcrete Training and Practice

CONSULTING | TRAINING | EXPERT TESTIMONY



## AFFILIATIONS

### *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, 2009-2011  
 Approved Educator

### *Genesis 3 Design Group*

Member & Liaison to the Advisory Council, Genesis 3 Education Council  
 Featured Educator, Genesis 3 Construction School

### Platinum Member, *Society of Watershape Designers*

Board of Direction, *Connecticut Chapter of the Association of Pool and Spa Professionals*  
 Member, *Association of Pool and Spa Professionals*  
 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
American Shotcrete Association Outstanding Underground Award	2013
The Northeast Spa and Pool Association Gold Award for Outstanding Achievement in Design & Building Concrete	2012, 2016
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 Shotcrete Technologies*

### *Best Practices for Cast-In-Place Concrete as Designated by the ACI Complex Projects*

### *Concrete Science*

### *Construction at Difficult Sites - Introduction to Shotcrete Pneumatically Applied Concrete*

### *Construction Techniques for a Vanishing Edge Pool*

### *Pool Shell Cracking in Shotcrete Construction: A Survey of Case Studies and ASA and ACI Guidelines*

### *Project Profiles: An Interactive Discussion on Design & Construction*

### *Shotcrete: Sprayed Concrete as an Aesthetic & Structural Tool*

### *Shotcrete & Plaster: Not the Marriage You Think It Is*

### *Shotcrete Standards & Codes*

## INDUSTRY PRESENTATIONS: VENUES

Atlantic City Pool and Spa Show | Atlantic City, NJ | 2010 - 2017  
 Aqua National Pool Show | 2006 - 2007  
 Carecraft | New York, NY | 2013  
 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  
 Genesis 3 Construction School | 2011 New Orleans, LA | 2010 Las Vegas, NV | 2009 La Jolla, CA | 2008 Atlanta, GA | 2008 Dallas, TX | 2007 Boston, MA | 2006 Morro Bay, 2006  
 International Pool | Spa | Patio Expo | 2016 New Orleans, LA | 2010-2015 Las Vegas, NV  
 Mid-America Pool & Spa Show | 2014  
 National Plasterers Council | 2017 New Orleans, LA | 2013 San Antonio, TX | 2012 San Diego, CA  
 Southeast Pool & Spa Show | 2014  
 Southwest Pool & Spa Show | 2014  
 State of Connecticut Pool Building Commission | 2013  
 State of Connecticut Health Department | 2009  
 World of Concrete | Las Vegas, NV | 2008, 2013, 2015

## PUBLICATIONS

<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>Beginnings: The History of the Shotcrete Industry (Part I of III)</i> Shotcrete Magazine	Summer 2015
<i>The Form of the Foreman</i> AQUA Magazine	June 2015
<i>Country Comfort</i> AQUA Magazine	January 2015
<i>ASA's Pool &amp; 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 &amp; 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 &amp; 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 &amp; 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