

Weston & Sampson has assembled a collection of professionals with the qualifications and experience needed to provide planning and design services for Levingston Cove at Crystal Lake. To provide comprehensive services, our team includes highly qualified landscape architects, engineers, and environmental professionals licensed in Massachusetts, as well as technical and support specialists, who have successfully worked on similar projects in Massachusetts and throughout New England over the past several years. **The multi-disciplinary nature of our firm allows us to address important project issues efficiently and seamlessly using in-house staff familiar with the unique aspects of open space/recreational requirements.** Our project team allows us to bring expert credentials to every aspect of this project.

Weston & Sampson has the depth of resources to respond to your project needs and can assure the assignment of highly qualified personnel for all your project tasks and deliverables.

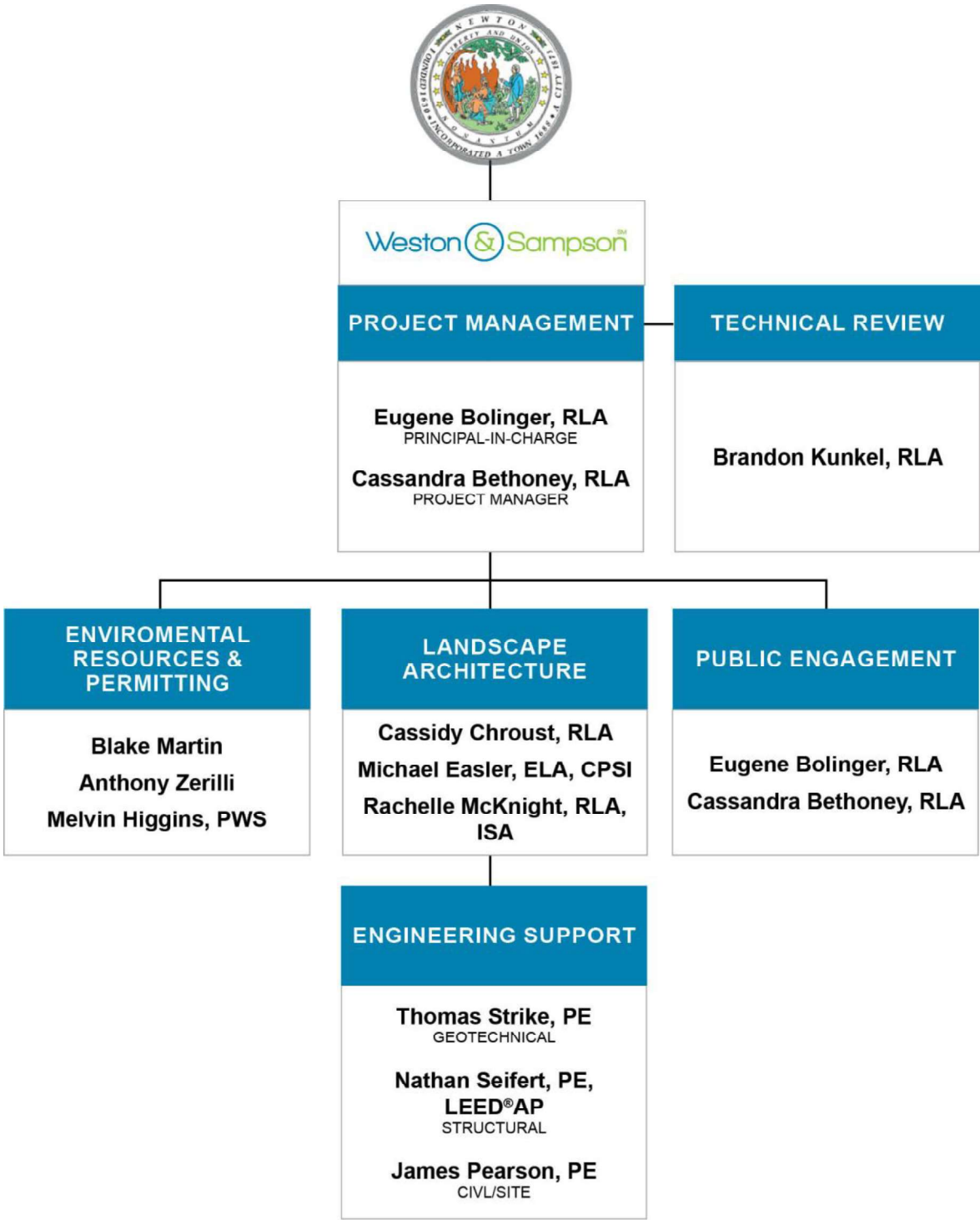
Our project management team of **Eugene Bolinger, RLA** as principal-in-charge and **Cassandra Bethoney, RLA** as project manager will have overall responsibility and accountability for project execution. They will manage the performance of our team members, ensure technical quality at each stage of the project, and monitor personnel assignments and allocations to meet project deliverable and schedule milestones.



Members of our team recently performing site reconnaissance work at a park and open space property on Boston Harbor.

Upon authorization to proceed, our proposed key team members will be immediately available for work. Weston & Sampson is committed to providing quality services and will perform the scope of work using the appropriate staff levels to meet your required schedule and remain within budget. With more than 650 multi-disciplinary professionals, we are confident that we have the depth of staff and resources to successfully complete all obligations associated with your project. We are committed to fully attending to this project and exceeding your expectations at every turn. We will manage your project from our design studio in Boston, with support from our other offices in Foxboro, Reading, and Worcester, as needed.

On the following page, we provide our project team organization chart that details the lines of communication among all our team members, their respective roles and responsibilities, as well as the estimated commitment of time for each member of the team. All team members on the chart will be made available, as needed, to participate in this planning and design effort. At certain points (a given week for instance) 100% of a team member's time may be allocated to the project. We have included summary biographies of our proposed team following our team chart and professional resumes for our team members at the end of this section.



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## PROJECT MANAGEMENT

**Eugene Bolinger, RLA** will serve as principal-in-charge of your project and will ensure that your project remains a priority of the firm. Gene is a **Massachusetts Registered Landscape Architect** with 30 years of experience in the planning, design, and implementation of open space and recreational facilities. During his accomplished career, he has successfully managed master planning, final design, and construction administration efforts for multi-disciplinary design/streetscape corridors, park, recreation, and open space projects. Gene has led many of our firm's efforts on programs with significant community input and outreach components, helping multiple stakeholders work together to develop long-term solutions to community planning needs, and brings to this project a successful track record of assisting clients in procuring funding for recreational open space projects through the PARC grant funding program.



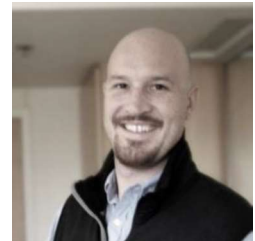
In addition, Gene has led efforts related to recreational facilities and neighborhood playground amenities at properties in Boston, Danvers, Falmouth, Framingham, Natick, Newton, Somerville, Waltham, Wilbraham, and Worcester. Gene's recent project experience also includes his work on the highly successful redevelopment of Parcel 5 into Mayor Thomas M. Menino Park in Charlestown, Massachusetts (Received 2016 BSA Accessible Design Award). This project required an accelerated schedule and included ADA accessibility/compliance as well as an extensive public engagement component.

**Cassandra Bethoney, RLA** is a **Massachusetts Registered Landscape Architect** with experience that spans a broad range of projects from planning to built work, with a focus on public parks and open spaces, streetscape design, and urban improvement projects. Cassie brings to each project strong critical thinking, pragmatism, and a commitment to quality. Cassie worked on the design and development of landscape architecture improvements to John Harvard Mall in Charlestown; a range of improvements to Boston Common and the Public Garden; master planning and conceptual designs for the Kendall Block of Commonwealth Avenue Mall; and planning and design for improvements to Children's Park, Fallon Field Playground, Harambee Park, LoPresti Park, and Menino Park. She also provided support for Weston & Sampson's efforts on the revitalization of Town Hall Plaza in Arlington; development of a strategic plan for Peddocks Island; and improvements to Lincoln Park, Conway Park, and the North Street Veterans Playground in Somerville.



## LANDSCAPE ARCHITECTURE

**Cassidy Chroust, RLA** is a landscape designer with a background that includes master planning, schematic design, design development, construction documentation, and project management. A newly licensed **Registered Landscape Architect**, Cass has successfully managed numerous park/recreation projects, including the Wayland Parks and Open Space Plan, Harambee Park Master Plan (Dorchester), a comprehensive Master Plan for Crompton Park in Worcester, and the Boston Common Master Plan. His Massachusetts experience also includes multiple urban design projects for the Boston Parks and Recreation Department, including our work at the John Harvard Mall and LoPresti Park; for Foss Park master plan and at Lincoln Park in Somerville; for the redevelopment of Riverfront Park in Springfield; for a high school athletic facility design project in Danvers; for Phases 4 and 5 of the Cushing Memorial Park open space improvement project in Framingham; and for the improvements to Institute Park in Worcester.



**Michael Easler, RLA, CPSI** is a landscape architect with specialized skills in 3D modeling and visual representation. He will support the landscape architecture tasks for this project. A **Massachusetts Registered Landscape Architect**, Mike is also experienced in native landscape planting, environmental research, construction detail development, and playground safety systems. His experience includes his current work at Riverfront Park in Springfield, as well as his efforts on the JJ Lane Park improvement project in Natick, and Mayor Thomas M. Menino Park, for which he developed paving designs and colors for the universally accessible playground area, detailed the historic reuse of industrial keel blocks as seating elements, and developed a low-cost construction system and native sedum/grass planting mixes for the proposed bulkhead meadow. Mike's other Massachusetts project experience includes his work for LoPresti Park in Boston with its synthetic turf field; the athletic complex at Danvers Hill School in Danvers; Albion Park, Lincoln Park, the North Street Playground, and at the Quincy Street open space property in Somerville; for Newton Highlands Park in Newton; and for the Warren and Waldstein neighborhood parks in Brookline.



**Rachelle McKnight, RLA, ISA** is a landscape architect and arborist whose background includes landscape and site design services for a variety of municipal, park, religious institutions, and higher education projects. Her experience includes: parks and recreation master planning, planting design, plaza and public space design, site grading, botanical inventories, trail layout, as well as digital rendering and modeling. Rachelle is proficient in the Adobe Creative Suite, a variety of fine arts, SketchUp, and AutoCAD software. She recently served as Landscape architect/designer responsible for the revitalization of Mill Brook corridor and Wellington Park in Arlington, which included site improvements, vegetation management planning, invasive species removal/control, and bank restoration.



## ENVIRONMENTAL RESOURCES & PERMITTING

**Blake Martin**, Weston & Sampson's environmental resources manager, has over 30 years of specialized experience in water resources and watershed studies. He currently chairs the New England Water Works Association committee on sustainability, focusing on water resource protection and watershed improvements. Recently, Blake's efforts have led to the development of three Water Congresses (2010, 2011, 2012), which brought watershed associations and municipal utility members together to discuss, evaluate, and plan a proactive approach to watershed health. Blake has created innovative GIS approaches to mapping watershed impacts from point/non-point sources. He has managed all our projects for community-wide resource planning and zoning by-law development, including surface water protection plans. His experience includes his watershed and stormwater management work with the Cambridge Water District and close coordination with the Charles River Watershed Association on various water resource protection endeavors.



**Anthony Zerilli** will lead the environmental permitting services required for your project. Tony is an environmental scientist with more than 10 years of professional experience in the environmental and natural resource management field. He has provided permitting and wetland delineation services at various locations and monitored wetlands and construction sites for impacts caused during project construction for numerous communities throughout Massachusetts. His experience includes park/recreation-related permitting for Massasoit State Park in East Taunton for DCR, Mayor Thomas M. Menino Park, LoPresti Park in East Boston, the Whispering Hill Woods project in Woburn, and various park/recreation improvements in Framingham and Worcester. In addition, Tony is certified in the US Army Corps of Engineers methods of wetlands delineation.





**Melvin Higgins, PWS** will provide permitting and environmental resource assistance. A **Professional Wetland Scientist** in our Environmental Resources group, Mel has nearly 20 years of environmental permitting, environmental analysis, and water quality experience, including numerous environmental permitting projects for submittal to local conservation commissions and state/federal agencies. His extensive project experience includes his work on Mayor Thomas M. Menino Park in Charlestown, Massachusetts; various park/recreation improvements in Somerville, Waltham, and Worcester; and for the Whispering Hill Woods project in Woburn; and current work providing permitting and environmental resource services at Massasoit State Park in Taunton and at Draw Seven Park in Somerville on behalf of the Massachusetts DCR.



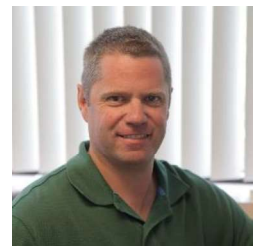
## PUBLIC ENGAGEMENT

Our professional staff has extensive experience in conducting public participation and communication programs through our work on numerous projects throughout New England. **Gene Bolinger** and **Cassandra Bethoney** have extensive community outreach and public participation experience. In addition to their other assignments, they will support our community engagement efforts for your design project. We have detailed their qualifications elsewhere within this section.

Public participation and engagement is a core component of our expertise and something we take great pride in. Our past design and improvement work at parks, fields, and playgrounds throughout Massachusetts and New England has included many projects with a range of challenges and varying opinions related to specific aspects of a design or improvement. Through careful leadership, everyone can be heard and enrolled into a successful outcome that provides the greatest benefit to the community, its visitors, and the city. No project can be successful without a comprehensive and meaningful public outreach process. To achieve success in this endeavor, an effective design for a revitalized signature park must be authentic in its service to users, visitors, and the surrounding community while honoring its history and its prime location. Our team seeks to establish and maintain valuable communication and cooperation among all those with a vested interest in the project. **To this end, we pledge to work closely with the City of Newton, all project stakeholders, and, of course, residents in an honest, open, and truly productive dialogue that builds trust and promotes the redevelopment of Levingston Cove into a multi-generational recreation amenity that offers spectacular views, access to nature and wildlife, passive recreation, and community gathering spaces.**

## ENGINEERING SUPPORT

**Thomas Strike, PE** is a senior project manager in the firm's environmental and geotechnical program. He has over 20 years of experience with geotechnical engineering design and has been responsible for managing multiple ongoing construction projects. A **Massachusetts registered Professional Engineer**, his specific areas of expertise include foundation design, retaining wall and slope stability analyses, and dam safety engineering.



**Nathan Seifert, PE, LEED®AP**, a team leader in Weston & Sampson's structural engineering department, has more than 25 years of engineering and construction experience. His areas of expertise include reinforced concrete, masonry, structural steel, and timber design, and he is well versed in the International Building Code. A **Massachusetts registered Professional Engineer**, his project experience includes design for new construction and renovation of commercial, multi-unit residential institutional and pharmaceutical/industrial buildings; water/wastewater treatment facilities; and bridges. Nathan also has construction management experience and is a LEED® Accredited Professional.



**James Pearson, PE** will also contribute to our environmental resources/permitting efforts. James is a **Massachusetts registered Professional Engineer** with more than 12 years of experience in design, analysis, and construction for a diverse range of projects, including work involving storm drainage conveyance and treatment systems, site planning and design, water distribution systems, sewer pipelines, and structural and roadway design. His skills include computer-aided site/infrastructure design and modeling, hydrology and hydraulic analysis, floodplain modeling, structural modeling, and surveying. James offers specialized expertise in the design of sustainable stormwater management systems. He has designed new and replacement utilities for both urban and suburban settings, and is experienced in the management of design, bidding, and construction administration project phases.



## TECHNICAL REVIEW

Weston & Sampson is committed to quality assurance and control. To assure that our firm's high standards are maintained, we routinely assign senior staff members to review the project team's work at regular intervals. This quality review is an important element of our approach to provide clear, biddable documents and avoid change orders during construction.

**Brandon Kunkel, RLA** is a **Massachusetts Registered Landscape Architect** with more than 10 years of experience in innovative design and master planning. Brandon's areas of expertise include parks, high-density mixed-use developments, academic and corporate campuses, and natural resource conservation and rehabilitation. Brandon is currently responsible for the construction administration phase of the new high school athletic facility in the Town of Danvers. Brandon's experience also includes work on the design services for the development of Weir Riverfront Park in the City of Taunton; the design of improvements to LoPresti Park in East Boston, including the artificial turf soccer field; an athletic fields project at the University of Massachusetts Lowell; redevelopment of Riverfront Park in Springfield; Lincoln Park in Somerville; development of a master plan for the 80-acre Merrymount Park in Quincy; and planning/design for the Charles River parklands restoration in Boston.



## BACKGROUND

2004-Present  
Vice President  
Weston & Sampson

2000-2004  
Landscape Architect  
Weston & Sampson

1988-2000  
Landscape Architect  
Levy, Eldredge & Wagner  
Associates, Inc

1986-1988  
Landscape Architect  
Johannes H. Wagner Associates

1984-1986  
Landscape Architect  
Storch Associates

## EDUCATION

1983  
Master of Landscape Architecture  
North Carolina State University

1981  
Bachelor of Science  
Environmental Design  
University of Massachusetts

## PROFESSIONAL REGISTRATION

Registered Landscape Architect  
Massachusetts No. 906  
New York No. 002213-1  
Rhode Island No. 174  
North Carolina No. 2153

## PROFESSIONAL SOCIETIES

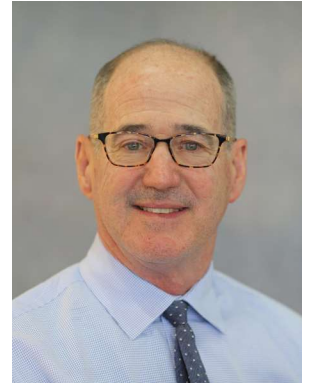
American Society of Landscape  
Architects

National Trust for Historic  
Preservation

Friends of the Boston Public  
Garden

As a vice president of Weston & Sampson, Gene currently manages more than two dozen municipal projects involving the reconstruction or restoration of city and town commons, parks, playgrounds, athletic facilities, open space properties, and urban design/streetscape corridors. During his more than 30-year career, he has successfully led master planning, final design, and construction administration efforts for multi-disciplinary park, recreation, and open space projects requiring expertise in landscape architecture, civil, structural, geotechnical and electrical engineering, architecture, metals and stone conservation, hazardous waste remediation, and environmental permitting.

For many of his projects, Gene has worked closely with the client to prepare the content for and execute the community outreach/public participation effort. This component of a project can be instrumental in generating constituent goodwill and fostering consensus among the various stakeholders.



## SPECIFIC PROJECT EXPERIENCE

**Master Plan for Two Playgrounds, Newton, Massachusetts.** Principal-in-charge for a master plan for playgrounds serving Newton Upper Falls and Newton Highlands to provide a site improvements plan that would reflect the needs of these diverse communities, guide future park development, and serve as a tool to secure funding from multiple sources. Collaborated with the city's Parks and Recreation Department to develop conceptual and final "preferred" master plans for both properties in response to the needs expressed by various community representatives at public hearings and through a comprehensive park user survey.

**Cheesecake Brook Master Plan, Newton, Massachusetts.** Project manager for a master plan for a section of Cheesecake Brook between Eddy Street and Watertown Street. Worked closely with the city's Planning and Development Department, and held a series of community meetings regarding the potential passive recreational use of the site. Addressed divergent opinions to develop an enhancement program that would satisfy all interested parties. Finalized the master plan and prepared documents for the construction of a Phase 1 program for the site.

**Coes Reservoir Park Master Plan & Design, Worcester, Massachusetts.** Project principal/project manager for the development of a master plan and multiple phases of park improvements for public open space lands surrounding Coes Reservoir. Worked collaboratively with our environmental team on this project that involves cleanup of the former Coes Knife property and dam in conjunction with the park design.

**Warren and Waldstein Parks, Brookline, Massachusetts.** Principal-in-charge for extensive public outreach efforts to craft renovation solutions for these two neighborhood parks to respond to the recreation and open space needs of the community. The designs incorporated a comprehensive restoration approach, including construction of a reoriented and reconfigured baseball field, tennis and

basketball courts, park support building, playground, splash pad, stormwater management systems, and sports lighting, among other features.

**LoPresti Park Improvements, East Boston, Massachusetts.** Principal-in-charge for the design, permitting, and construction administration work for this waterfront park project, which involved constructing a state-of-the-art synthetic turf field (funded in large part by the United States Soccer Association), realigning pedestrian connections, rotating fields for game play and practice to allow for a more efficient use of the site, and positioning the most-used play elements for improved safety and access. Considerations included sea level rise and site resiliency throughout the design process and exploring iterations of sea wall protection to balance defense against the rising sea and day-to-day access. Ultimately, the design includes granite sea wall blocks installed in a staggered pattern to diffuse wave action during extreme high tide conditions.

**Langone Park & Puopolo Playground, Boston, Massachusetts.** Principal-in-charge of design services and landscape architecture for the complete refurbishment of this signature waterfront park in Boston's historic North End. The recreational lifeline for Boston's most densely developed community, the park also provides a critical link within Boston's HarborWalk network. Design efforts include lighting, benches, interpretive signage conveying the unique historical and environmental heritage of this site, and coastal resilient strategies.

**Improvements to Lincoln Park, Somerville, Massachusetts.** Principal-in-charge for design services and landscape architecture improvements to the existing park, including open space improvements, active and passive play recreational features, athletic fields, educational opportunities, and a unique stormwater collection and management system. Designs include interactive education-based elements including an outdoor classroom, rainwater harvesting, and teaching gardens in collaboration with the Dr. Albert F. Argenziano Middle School, which is located adjacent to the park.

**Fallon Field Playground, Roslindale, Massachusetts.** Principal for this playground improvement project. Responsibilities included planning, design, community outreach, and construction administration. Community input was a huge driver to create this unique and innovative playground space built into a hillside. This playground includes many non-traditional play elements, features universal accessibility throughout and is home to the tallest slide structure in Boston.

**North Union Spray Park and Hibbert Playground, Arlington, Massachusetts.** Project principal for the development and presentation of separate park designs as part of a commission to re-imagine two public open spaces to meet the varied needs of the community and the distinct site conditions at each location. Also responsible for construction documents and construction administration.

**Albion and Grimmons Parks Improvements, Somerville, Massachusetts.** Principal-in-charge for the master planning, construction document design, and community outreach process for two parks in different city neighborhoods, including multi-use courts, community gardens, splash pad areas, shaded seating plazas, and new play equipment.



## BACKGROUND

2020-Present  
Senior Project Landscape Architect  
Weston & Sampson

2017-2020  
Project Landscape Architect  
Weston & Sampson

2016-2017  
Associate Landscape Architect  
Sasaki

2013-2016  
Landscape Architect  
Weston & Sampson

2012-2013  
Design Intern  
Landscape Architecture  
Weston & Sampson

2012  
Community Service  
Fellow/Brownfields Program Intern  
US Environmental Protection  
Agency

2010  
Landscape Architect Intern  
Olmsted Center for Landscape  
Preservation

2007-2010  
Contract Landscape Designer  
The S/L/A/M Collaborative  
Architects and Engineers

2009  
Landscape Intern  
The Fells Historic Estate and  
Gardens

## EDUCATION

2013  
Master in Landscape Architecture  
Harvard University

2009  
Bachelor of Science  
Landscape Architecture  
Ecological Design Concentration  
Cornell University

2008  
Art History Study Abroad  
Florence University of the Arts, Italy

Cassie is a registered landscape architect with experience that spans a broad range of projects from planning to built work, with a focus on public parks and open spaces, streetscape design, and urban improvement projects. She has specialized skills in ecological restoration along waterways and stormwater detention basins, and she is interested in the role that an engaged public process plays in making vibrant landscape spaces. Cassie brings to each project strong critical thinking, pragmatism, and a commitment to quality.



## SPECIFIC PROJECT EXPERIENCE

**Comprehensive Design for Centennial Beach Refurbishment, Hudson, Massachusetts.** Landscape architect for design and permitting services for the renovation of a popular town-managed swimming beach. Project includes a new bathhouse, renovated old bathhouse for storage, open air pavilion space, beach and landscape restoration, a new accessible path system, extensive stormwater management upgrades, and parking area improvements.

**Eastman Conservation Area Improvements, Needham, Massachusetts.** Landscape architect for design of upgrades for the Eastman Conservation Area, an outdoor learning laboratory with a varied landscape that includes wetlands, meadows and streams, open bodies of water, uplands, and rock outcroppings. Project included design of boardwalks, at-grade trails, overlooks, piers, and a wide range of other site amenities that help to support the storytelling about wildlife and other environmental features that are unique to this rich and varied conservation landscape.

**Arlington Reservoir Master Plan, Arlington, Massachusetts.** Landscape architect for the development of a master plan for the Arlington Reservoir property, including an environmental assessment and a land survey. Responsibilities include a comprehensive public engagement program and collaboration with project stakeholders to establish a strategy for the implementation of compelling, appropriate, and sustainable site improvements.

**Hedges Pond Recreation Area and Preserve Master Plan, Plymouth, Massachusetts.** Involved in the development of the master plan for this area (former Camp Dennen property). Project involved identifying realistic opportunities for uses that considered environmental protection and enhancement; potential reuse of former camp infrastructure; implementation of improvements to meet important recreational needs of residents and the larger community; and potential for revenue generation to offset future maintenance and operations costs.

**Percy Rideout Playground, Concord, Massachusetts.** Landscape architect responsible for the design of the park expansion and improvements, including tennis and basketball courts, sidewalks/pathways, increased/redesigned parking, a baseball field, and ADA accessible restrooms. Other improvements included the design of a bioretention pond and rain garden for stormwater management, as well as the use of biodegradable mulch under the playground structure, and fencing.

## PROFESSIONAL REGISTRATION

Registered Landscape Architect  
Massachusetts, No. 4209

## HONORS & AWARDS

2009  
American Society of Landscape  
Architects Award of Merit

**Public Outreach Facilitation | Redevelopment of the McIntyre Building, Portsmouth, New Hampshire.** Facilitated a comprehensive public outreach process to give all citizens a voice in identifying the elements essential to a successful redevelopment of the Thomas J. McIntyre Building site in downtown Portsmouth. Worked with the city to develop and refine the information and graphic content presented and discussed at each public engagement session. Prepared written meeting summaries for posting to the city's website and use as the 'essential framework' for the city and the development team to follow for the design development phase of the project.

**Restoration of John Harvard Mall, Charlestown, Massachusetts.** Landscape architect for the development of a master plan and design for the restoration of this historic park/plaza in the Charlestown neighborhood. The project included a robust community involvement program, new pavement treatments, an inclusive playground, accessible routes through the site, a redesigned park entrance, and sustainable design solutions.

**Town Hall Plaza Improvements, Arlington, Massachusetts.** Landscape architect for the design and construction administration services for improvements to historic Town Hall Plaza. Responsible for establishing an important town gateway, safe and accessible pedestrian connections, carefully selected landscaping, and a vibrant public space for community events, including a wide range of other aesthetic enhancements that are accessible, multi-generational, historically and culturally appropriate. Efforts also include a comprehensive public engagement process.

**Peddocks Island Management & Conceptual Development Plan, Boston Harbor Now.** Landscape architect for the development of a master plan for improvements at this historic Boston Harbor Island. Working together with our multi-disciplinary team, subconsultants, BHN, DCR, and the National Park Service, project efforts include extensive site research, public engagement, and a sustainable model for redevelopment. The island is open to the public as a natural, recreational park accessed via ferries.

**Fallon Field Playground, Roslindale, Massachusetts.** Led the design effort for this playground improvement project and was pivotal to the community outreach process with Roslindale residents. Cassie also completed construction documentation for bidding. Community input was a huge driver to create a unique and innovative playground space, which was built into a hillside. This playground includes many non-traditional play elements, features universal accessibility throughout, and is home to the tallest slide structure in Boston (now an iconic park feature).

**Riverfront Park, Watertown, Massachusetts.** Landscape architect responsible for developing schematic and design development drawings for the second phase of improvements to this linear park, a Department of Conservation property located along the Charles River. The main component to this second phase of work is to renovate an existing playground that explores adventure/sensory play and serves students at the neighboring Perkins School for the Blind. Improvements also include walking trails, slope stabilization, habitat restoration, and fishing piers along the park's 1/2-mile-long riverfront edge. *(With previous employer)*

## BACKGROUND

2018-Present  
Team Leader  
Weston & Sampson

2017-2018  
Project Manager  
Weston & Sampson

2014-2017  
Landscape Architect  
Weston & Sampson

2012-2014  
Landscape Architect  
Copley-Wolff Design Group

2012  
Landscape Architect  
The Cecil Group

2011-2012  
Landscape Architect  
Independent Consulting

2007-2011  
Landscape Architect/Associate  
DLR Group

2005-2007  
Landscape Designer  
Geller Devellis Inc.

2003-2005  
Assistant Landscape Designer  
Mia Lehrer and Associates

2001-2003  
Assistant Landscape Designer  
Geller Associates

## EDUCATION

2001  
Bachelor of Landscape Architecture  
University of Rhode Island

## PROFESSIONAL REGISTRATION

Registered Landscape Architect:  
Massachusetts No. 4040

## PROFESSIONAL SOCIETIES

American Society of Landscape  
Architects (ASLA, BSLA)

Council of Landscape Architecture  
Registration Board (CLARB)

Brandon is a landscape architect with more than 15 years of experience in innovative design and master planning. His areas of expertise include urban parks, natural resource conservation and rehabilitation, academic and corporate campuses, and high-density mixed-use urban developments. He has managed projects associated with planning land use area development, including work with sensitive and complex issues related to environmental concerns, sustainability, and historic preservation. Brandon routinely collaborates with public officials, state agencies, and external consultants on multiple projects concurrently.



## SPECIFIC PROJECT EXPERIENCE

**Redevelopment of Riverfront Park, Springfield, Massachusetts.** Landscape architect for the development of renovation/restoration strategies as part of a master plan for this riverfront property, including park upgrades and infrastructure improvements. Plans for redevelopment of the park include universal accessibility; site/pedestrian access and connectivity; horticultural and landscaping; an interactive water feature; and improvements to signage, performance spaces, lighting, and utility connections.

**Boston Common Master Plan Update, BPRD, Boston, Massachusetts.** Provided landscape architecture/project management services for recently completed updates to the "Boston Common Management Plan," which was first adopted by the Boston Parks Commission in 1996.

**Pathway and Entrance Improvements at Boston Common and Public Garden, Boston Massachusetts.** Provided landscape architecture/project management services for pathway enhancements, including landscape site design/improvements and historic preservation/restoration. Improve the pathways and entrances to the Boston Common, the Public Garden, and Commonwealth Avenue Mall. Responsible for completing a thorough assessment of existing entrance and pathway conditions and a prioritized improvement program. Efforts involved working closely with multiple stakeholders and the Boston Landmarks Commission.

**Langone Park and Puopolo Playground, Boston, Massachusetts.** Project manager responsible for working with the Boston Parks and Recreation Department to develop final designs and obtaining permits for the complete refurbishment of this signature waterfront park in Boston's historic North End. The recreational lifeline for Boston's most densely developed community, the park also provides a critical link within Boston's HarborWalk network. Design efforts include lighting, benches, interpretive signage conveying the unique historical and environmental heritage of this site, and coastal resilient strategies.

**Improvements to Buzzards Bay Park, Bourne, Massachusetts.** Project manager responsible for improvements to Buzzards Bay Park, a signature waterfront park located on the Cape Cod Canal. Led the planning, design, and construction of park improvements including a splash pad, pathways/connections, landscaping/ plantings, seating areas, and a picnic/gathering pavilion, among other amenities

and enhancements.

**Weir Riverfront Park (former FB Rogers site), Taunton, Massachusetts.** Worked with Weston & Sampson's in-house licensed site professionals, engineers, and permitting specialists to fully integrate the design of Weir Riverfront Park with the site cleanup strategy for the former FB Rogers site. Created the new park on the edge of the Taunton River, adding to the city's open space system.

**Improvements to John Harvard Mall, Boston Parks and Recreation Department, Charlestown, Massachusetts.** Provided landscape architecture and design services related to the historic restoration and improvements to this urban park and plaza, including entry areas, pathways, sitting areas, and a playground. This project involved a rigorous public engagement process, ADA compliance/accessibility accommodations, tree preservation, and sustainable design solutions.

**Improvements to Lincoln Park, Somerville, Massachusetts.** Landscape architect for design/landscape architecture services for the existing park, including open space improvements, active and passive play recreational features, athletic fields, educational opportunities, carefully curated planting selection, and a unique stormwater collection and management system. Project work also included a comprehensive public participation program, including a detailed visual representation effort, and construction administration services.

**Harambee Park Master Plan, Boston Parks and Recreation Department, Dorchester, Massachusetts.** Landscape architect for the master planning of Harambee Park, one of the city's largest open space assets. Efforts included inventory and analysis of all park features, identification of deficiencies and safety hazards, soil and survey analysis, circulation analysis, athletic facilities assessment and recommendations, vegetation enhancement and management recommendations, a public participation/communication program, and a detailed construction cost estimate for the final recommended improvements.

**Children's Park Improvements, Boston Parks and Recreation Department, Roxbury, Massachusetts.** Landscape architect for the renovation of and updates to the current Children's Park, which involved acquisition of two vacant properties, expansion of the site, inclusion of multi-generational park amenities, and a significant community participation component. Design efforts included park layout/design, equipment selection, site-specific vegetation/plantings, and development of before/after site imagery for use in community outreach/involvement efforts.

**Improvements to LoPresti Park, East Boston, Massachusetts.** Provided design, permitting, and construction administration work for this Boston Parks and Recreation Department project, which involved construction of a state-of-the-art synthetic turf field (funded in large part by the United States Soccer Association), realigning pedestrian connections, rotating fields for game play and practice to allow for a more efficient use of the site, and positioning the most-used elements of play for improved park safety and access.

**Kennedy Senior Center Park, Quincy, Massachusetts.** Developed park plans that included a universally accessible walking trail, open air pavilions, a greenhouse, formal gardens, open lawns, fitness amenities, and bocce and horseshoe courts for a new \$1.6 million, 4.25-acre park with activities to promote successful aging and provide senior residents with opportunities for staying engaged in the community.

## BACKGROUND

2020-Present  
Senior Project Landscape Architect  
Weston & Sampson

2017-2020  
Project Landscape Architect  
Weston & Sampson

2014-2017  
Landscape Architect II  
Weston & Sampson

2012-2014  
Landscape Designer  
Landworks Studio

2012  
Landscape Design Intern  
Hargreaves Associates

2011-2012  
Landscape Design Intern  
Boston Parks/Urban Wilds/Student  
Conservation Association

2011  
Design+Build Intern  
Sol LeWitt Summer House

2010  
Landscape Design Intern  
Weston & Sampson

## EDUCATION

2012  
Master of Landscape Architecture  
Rhode Island School of Design

2001  
Bachelor of Arts  
Economics  
Denison University

## PROFESSIONAL REGISTRATION

Registered Landscape Architect  
Massachusetts No. 4236

Cassidy is a landscape architect in the firm's design program. His background includes schematic design plans, design development, construction documentation, and project management. He has developed designs through a variety of mediums, including hand sketches, AutoCAD, digital graphics, and model making.



## SPECIFIC PROJECT EXPERIENCE

**Mill Brook Corridor and Wellington Park, Arlington, Massachusetts.** Provided landscape design services for the revitalization of Mill Brook corridor and Wellington Park. Project includes site improvements, vegetation management planning, invasive species removal/control, and bank restoration.

**First & Railroad Street Park/Playground, Fitchburg, Massachusetts.** Landscape designer for renovations to this important community park. Upgrades included benches, picnic areas, pathways, plantings, informational signage, and a basketball court. Coordinated our efforts in partnership with the Montachusett Opportunity Council, a local community group.

**Improvements to Parkhill Park, Fitchburg, Massachusetts.** Landscape designer for the development of state-of-the-art play facilities and the restoration of passive wetland resource areas within this dramatic 50-acre Works Progress Administration (WPA)-era park. The playground and water spray park improvements added to the range of existing facilities at this regional park. Improvements also included storm drainage and a renovated bathhouse.

**Coes Reservoir Park, Worcester, Massachusetts.** Provided landscape architecture services for the development of a master plan and multiple phases of park improvements for public open space lands surrounding Coes Reservoir. Worked collaboratively with our environmental team on this project that involves cleanup of the former Coes Knife property and dam in conjunction with the park design. Improvements to date include a pedestrian bridge, relocation of historic structures, parking facilities, design and construction of the city's premier universally accessible children's playground, and establishment of a continuous greenway corridor along the western, southern, and eastern edges of the reservoir.

**Children's Park Improvements, Boston Parks and Recreation Department, Roxbury, Massachusetts.** Provided landscape design services to renovate and update the current Children's Park, which involved acquisition of two vacant properties, expansion of the site, inclusion of multi-generational park amenities, and a significant community participation component.

**Improvements to Lincoln Park, Somerville, Massachusetts.** Landscape designer for design services and landscape architecture improvements to the existing park, including open space improvements, active and passive play recreational features, athletic fields, educational opportunities, and a unique stormwater collection and management system.



**Improvements to LoPresti Park, Boston Parks and Recreation Department, East Boston, Massachusetts.** Design, permitting, and construction administration work for this project, which included realigning pedestrian connections, rotating fields for game play and practice to allow for a more efficient use of the site, and positioning the most-used elements of play for improved park safety and access. Also worked on the initial conceptual design for a fountain plaza in the park.

**Worcester Common Restoration, Worcester, Massachusetts.** Landscape architect for the \$5 million restoration of historic Worcester Common, located downtown adjacent to the historic high-empire style Worcester City Hall. Provided landscape architect support for the reestablishment of historic pedestrian linkages and entrances; enhancement of the site's monuments, memorials, and burial grounds; expansion of green space; and new amenities for civic and cultural events and activities.

**Improvements to Byram Park, Greenwich, Connecticut.** Provided landscape architecture assistance as part of the design and engineering of a new park and public outdoor pool facility with a large zero-depth entry pool with lap lanes, splash pad, and kiddie pool to replace an outdated facility on the site.

**Institute Park Comprehensive Master Plan, Worcester, Massachusetts.** Provided landscape architecture assistance for the construction administration phase resulting from the comprehensive master plan for this important property adjacent to Worcester Polytechnic Institute (WPI), including significant public participation. The project included improved performance facilities; improved park aesthetics; active and passive recreation options; edge improvements; utility system upgrades; a cleaner, safer, and "greener" park; improved access and circulation; and ADA compliance.

**Universal Playground Design, Cambridge, Massachusetts.** Landscape architect for the design and construction of a new universal playground within the existing Danehy Park located in North Cambridge. The new accessible playground will include accommodations for physical, sensory, and social needs. Park design efforts also involve a water play area, site access/circulation, parking, and stormwater management.

**Robbins Farm Field Renovations, Arlington, Massachusetts.** Project manager responsible for providing schematic design, design development, construction documents, bid phase services, and construction administration for upgrades and improvements to Robbins Farm Park. Project included a comprehensive community outreach and engagement component.

**Nipper Maher Playground Improvements, Waltham, Massachusetts.** Provided landscape architecture assistance for Phase 6 of a multi-phase improvement project at this important park and open space facility. Site improvements included concession building renovations, major baseball and Little League field improvements, installation of bleacher systems with shade shelters, pathway systems, park landscaping, and the placement of a variety of site furnishings and amenities throughout the property.

## BACKGROUND

2020-Present  
Senior Project Landscape Architect  
Weston & Sampson

2018-2020  
Project Landscape Architect  
Weston & Sampson

2013-2018  
Landscape Architect  
Weston & Sampson

2012-2013  
Interpretive Ranger and Historic  
Researcher  
National Park Service

2011  
Modeling Consultant for Local  
Office Landscape Architecture, as  
well as Harvard Professor Jane  
Hutton

2011  
Intern  
Michael Van Valkenburgh and  
Associates

2011  
Labor and Prairie Restoration  
Foreman  
Willow Lake Farm

2006  
Environmental Research Assistant  
California Institute of Technology

## EDUCATION

2013  
Master in Landscape Architecture  
Harvard University

2010  
Bachelor of Environmental Design  
Sustainable Studies Concentration  
University of Minnesota

## PROFESSIONAL CERTIFICATION

Registered Landscape Architect  
Massachusetts, No. 4221

Certified Playground Safety  
Inspector (CPSI) No. 33340-1218

Michael is a landscape architect with specialized skills in 3-D modeling and visual representation. He is also experienced in native landscape planting, environmental research, construction detail development, and playground safety systems.

## SPECIFIC PROJECT EXPERIENCE

**Field and Playground Master Plan, Highlands Park, Newton, Massachusetts.** Provided landscape design services for a preferred site improvements plan that serves as a guide for future development of this park, as well as a tool to secure funding from various private, city, state, and federal sources.

Responsibilities included helping to develop a conceptual and final "Preferred" master plans in response to the needs of the city, as expressed by various community representatives at a series of public hearings and through the issuance of a comprehensive Park User Survey.

**Revitalization of Draw Seven Park, Massachusetts Department of Conservation & Recreation.** Landscape architect for the revitalization of signature park along the banks of the Mystic River in Somerville, Massachusetts. Work includes providing urban design/landscape architecture, sustainability/resiliency, utility infrastructure, waterfront engineering, environmental permitting, architecture, facilities planning, public participation, and cultural resource planning services to redesign and revitalize this high-visibility waterfront space.

**First and Railroad Street Park/Playground, Fitchburg, Massachusetts.** Landscape designer for renovations to this important community park. Upgrades included benches, picnic areas, pathways, plantings, informational signage, and a basketball court. Coordinated our efforts in partnership with the Montachusett Opportunity Council, a local community group.

**JJ Lane Park, Natick, Massachusetts.** Landscape design services for the development of a new neighborhood park and playground that involved the creation of a children's play area with seating/shelter, loop pathways, a small park support structure, new parking areas, innovative stormwater management techniques, a pedestrian bridge, and a variety of other passive and active recreational elements.

**Conservation Area, Outdoor Classroom, Boardwalk, and Sports Field Upgrades and Improvements, Needham, Massachusetts.** Landscape designer for the athletic fields (youth baseball and multi-purpose rectangular fields) and accessible trail, boardwalk, and outdoor classroom for the Eastman Conservation Area at Newman Elementary School in Needham.

**Improvements to LoPresti Park, Boston Parks and Recreation Department, East Boston, Massachusetts.** Provided design, permitting, and construction administration work for this waterfront project, which included realigning pedestrian connections, rotating fields for game play and practice to allow for a more efficient use of the site, and positioning the most-used elements of play for improved park safety and access. Sea level rise and site resiliency were researched and considered throughout the design process. Iterations of sea wall protection were explored to find balance between defense against the rising sea and day to day



## HONORS & AWARDS

2008  
Engineering Design for the  
Developing World Contest Winner

access. Ultimately, granite sea wall blocks in a staggered pattern were installed to diffuse wave action during extreme high tide conditions.

**Mayor Thomas M Menino Park, Charlestown, Massachusetts.** Landscape designer for the development of this waterfront site into a new, highly successful and universally accessible park and playground that incorporates adaptations for anticipated sea level rise. Developed paving designs and colors for the universally accessible playground area, detailed the historic reuse of industrial keel blocks as seating elements, and developed a low-cost construction system and native sedum/grass planting mixes for the proposed bulkhead meadow. The park also includes an accessible harborwalk with informational signage and spectacular views of the city and the water.

**Warren and Waldstein Parks, Brookline, Massachusetts.** Supported the design team in leading extensive public outreach for these two neighborhood parks to craft renovation solutions that would respond to the recreation and open space needs of the community. Assisted with initial design conceptions, construction document production, and presentation graphics for public meetings.

**Lincoln Park, Somerville, Massachusetts.** Provided design and construction services for the development and refinement of the Lincoln Park design throughout the public participation and construction documentation phases. Also assisted with the on-site layout of materials and patterns for the school yard and playground areas. Work at the park included open space improvements, active and passive play recreational features, athletic fields, educational opportunities, and a unique stormwater collection and management system.

**North Street Veterans Playground, Somerville, Massachusetts.** Assisted with improvements to this neighborhood park, including updated playground equipment, accessible rubber safety surfacing, a half-basketball/soccer court, tennis bounce board, splash pad, a café seating area, much-needed green space and plantings, and sustainable design features.

**Improvements at Crocker Playground, Fitchburg, Massachusetts.** Landscape architect for this important park that supports the neighborhood and larger surrounding community. Work included the addition of a new interactive water play facility to the existing park that includes the playground, a basketball court, and two open play fields. Improvements included the construction of the splash pad, installation of new utilities improvements, as well as a shade shelter, park benches, pathway systems, and related site amenities.

**Powers Farm Conservation Area, Randolph, Massachusetts.** Landscape designer for the planning and design of this former working farm acquired by the town for use as a passive recreation resource that connects directly to downtown. Project work involved incorporating a pavilion, parking facility, play area, and perimeter pathway to allow for universal access and community use.

## BACKGROUND

2020-Present  
Project Landscape Architect  
Weston & Sampson

2019-2020  
Landscape Architect II  
Weston & Sampson

2016-2019  
Landscape Designer  
Weston & Sampson

2015  
Researcher  
Rewilding Europe

2014  
Research Assistant  
US Forest Service

2008-2013  
Scenic Artist/Production Assistant  
Hudson Scenic/Warner Bros.

2001-2007  
Landscape Designer/Gardener  
Western Kentucky University

2004-2005  
Habitat Restoration Associate  
Mammoth Cave National Park

## EDUCATION

2016  
Master of Landscape Architecture  
State University of New York  
College of Environmental Science  
and Forestry

2013  
Graphic & Web Design Certificate  
Hunter College

2007  
Bachelor of Arts  
Anthropology  
Western Kentucky University

## CERTIFICATIONS

Registered Landscape Architect:  
Connecticut No. LAR.0001519

ISA Certified Arborist  
Erosion & Sediment Control  
Training  
Trainee SWT#0020-T

OSHA 10-hour Construction  
Safety Training

Rachelle is a landscape architect and arborist whose background includes landscape and site design services for a variety of municipal, park, religious institutions, and higher education projects. Her experience includes: parks and recreation master planning, planting design, plaza and public space design, site grading, botanical inventories, trail layout, as well as digital rendering and modeling. Rachelle is proficient in the Adobe Creative Suite, a variety of fine arts, SketchUp, and AutoCAD software.



## SPECIFIC PROJECT EXPERIENCE

**Mill Brook Corridor and Wellington Park, Arlington, Massachusetts.** Landscape architect/designer responsible for the revitalization of Mill Brook corridor and Wellington Park, including site improvements, vegetation management planning, invasive species removal/control, and bank restoration.

**Bridge Street Pocket Park, Waitsfield, Vermont.** Prepared design documents for the construction of a pocket park adjacent to the “Big Eddy” covered bridge in Waitsfield. The park was designed to provide visitors and residents with access to a popular swimming spot on the Mad River, while commemorating the historic footprint of a building destroyed by flooding during Hurricane Irene.

**Halfmoon Dog Park Feasibility Study, Halfmoon, New York.** Conducted a feasibility study for the development of a dog park with two areas (one for large dogs and one for small dogs). Conceptual design included parking, utility considerations, and site amenities to provide a safe environment for dogs and people.

**Portland Park and Fields Complex, Portland, Connecticut.** Provided planning and site design services for the development of a multi-field athletic complex and park facility for the town. The complex includes two soccer fields, two baseball fields, an outdoor splash pad, a playground, a recreation building, concessions building, and a multi-use trail network with outdoor fitness stations. Also provided site grading services for this project.

**Simsbury Parks & Open Space Master Plan, Simsbury, Connecticut.** Landscape architect responsible for the development of the Simsbury Parks & Open Space Master Plan. Conducted extensive field investigations of town owned parks and open spaces to develop recommendations for improvements to facilities and the restoration of degraded natural systems. Developed mapping and recommendations to guide future acquisition of open space to facilitate wildlife passage and to preserve intact landscape corridors.

**Development of a Riverbank Vegetation Management Plan, Massachusetts Department of Conservation and Recreation (DCR).** Landscape architect responsible for the for development of a Riverbank Vegetation Management Plan for the Charles River Basin within the municipalities of Boston, Cambridge, Newton, and Watertown. The plan included extensive inventory and mapping of 17 miles of existing vegetation, riverbank typologies, and declining trees. Recommendations included phased installations of native vegetation restoration pilot projects

## PROFESSIONAL AFFILIATIONS

American Society of Landscape  
Architects

International Society of Arboriculture

Society for Ecological Restoration

representing a wide array of shoreline stabilization and biodiversity objectives, as well as guidelines for the removal and management of invasive and noxious vegetation along the shore.

**Resilient Massachusetts Action Team (RMAT): Technical Support, Executive Office of Energy and Environmental Affairs (EOEEA), Massachusetts.** Landscape architect/arborist for the RMAT Technical Support project for the Massachusetts EOEEA, which will advance priority actions from the State Hazard Mitigation and Climate Adaptation Plan for climate resilient projects throughout the Commonwealth. Work includes developing consistent standards for using climate projection data, guidelines and best practices for implementing the climate resilient standards, and a resilient benefit evaluation web-based tool for use in capital planning.

**Vegetative Management Plan for the Head of the Charles Regatta® Reunion Village Hospitality Area, Cambridge, Massachusetts.** Landscape designer for the preparation of a vegetation management plan (VMP) on behalf of the HOOCR and in cooperation with the Massachusetts Department of Conservation and Recreation (DCR). Developed this plan on an accelerated schedule to address the need for vegetation/species management by targeting selective invasive and noxious plants along the riverbank at the location of the Reunion Village.

**Rondout Riverport Shoreline Restoration and Public Access, Kingston, New York.** Site designer for the restoration and stabilization of the shoreline of the Rondout Historic Waterfront area. Conducted extensive desktop and site analysis to understand existing river edge and adjacent property conditions. Design elements include site-specific living shoreline installations to provide riverine and land-based habitat and flood protection, as well as engineered shore stabilization techniques to protect important infrastructure and historic properties.

**County of Rensselaer Hudson River Access Plan (with Planning4Places), Rensselaer, New York.** Site designer for the preparation of a river access study for the County of Rensselaer. Analyzed potential sites along the river, engaging stakeholders through public meetings, developing and prioritizing recommendations, and creating preliminary concept plans. Sites were evaluated to determine whether improvements would accomplish the goal of providing paddleboat access and which sites would most likely benefit from local stewardship.

**Watervliet Reservoir Water Chestnut Project, Guilderland, New York.** Conducted extensive field analysis to map the extent invasive water chestnut in the Watervliet Reservoir and developed recommendations for the effective removal and maintenance of the species over the long-term. Water chestnut outcompetes a variety of other aquatic vegetation and creates nearly impenetrable mats across wide areas of water. These mats can be as much as a foot thick and reduce passage of light into the water, which, in turn, reduces dissolved oxygen levels and influences nutrient cycling. The study assessed the current infestation of water chestnut and analyzed the influx of sediment at the inlet of the reservoir at the Normanskill Creek. Costs and recommended removal of water chestnut and wetland restoration in the northern portion of the reservoir were included in the study.



**BACKGROUND**

2013-Present  
Vice President | Practice Leader  
Weston & Sampson

2003-2013  
Associate  
Weston & Sampson

2001-2003  
Project Manager/Team Leader  
Weston & Sampson

2000-2001  
Senior Hydrogeologist  
Geosphere Environmental  
Management, Inc.

1999-2000  
Senior Hydrogeologist  
Talkington Edson Environmental  
Management, LLC

1998-1999  
Eastern Regional Coordinator  
Layne New England

1996-1998  
Regional Manager  
HydroGroup, Inc./  
Ground Water Associates, Inc.

1991-1996  
District Manager  
Ground Water Associates, Inc.

**EDUCATION**

1984  
Bachelor of Arts  
Geology, Economics,  
Environmental Studies  
Williams College

**PROFESSIONAL  
CERTIFICATIONS**

40-Hour Training Course for  
Hazardous Materials Site Training,  
OSHA 29CFR1910.120

**PROFESSIONAL  
SOCIETIES**

American Water Works Association  
Association of Ground Water  
Scientists and Engineers  
National Ground Water Association  
New England Water Works  
Association 2000 Annual  
Conference

Blake is Weston & Sampson's Environmental Resources Manager and has over 30 years of experience evaluating groundwater systems, designing permanent systems for extraction and supply, and supervising rehabilitation efforts at municipal groundwater supplies. He has managed over 900 projects involving well rehabilitation, well design, safe yield analysis, hydraulic modeling, and water quality sampling. He has evaluated groundwater supply sources for contamination migration, water quality impacts, emerging contaminants, efficiency, and yield improvements throughout New England, New York, and Pennsylvania for a variety of municipal clients.

**SPECIFIC PROJECT EXPERIENCE**

**WASM 3 to Shaft 7 Connecting Mains, MWRA, Greater Boston, Massachusetts.** Provided environmental, permitting, and regulatory support to MWRA's WASM 3 to Shaft 7 connecting mains for planning and design of construction of new 48-inch water pipeline and rehabilitation of Section 59 and 60 of the existing 20-inch water pipeline that traverses through the communities of Arlington, Belmont, Boston, Newton, and Watertown.

**Various Water Services, Mixed-Use Housing Development, Plymouth, Massachusetts.** Developed stormwater management, water conservation, and water reuse strategies for a 1,500-home mixed-use development in Plymouth. Work included permitting under local state and federal agencies, designing infiltration systems for recharge of treated effluent, capital costs, and design of a wastewater reuse system for landscape irrigation, and stormwater management designs for over 600,000 square feet of impervious surfaces.

**Geothermal Systems for Municipal Buildings, Various Locations, Massachusetts.** Evaluated operational and capital costs, system designs, and permitting requirements for geothermal systems for municipal building projects in Newburyport, Westford, Nashoba, and Stoughton, Massachusetts. These feasibility level assessments ranged from individual municipal facilities (e.g., small fire stations) to large municipal compounds (e.g., wastewater treatment facilities).

**Taunton River Watershed Management Plan, Massachusetts.** Project coordinator for a portion of the Taunton River watershed management plan. Evaluated infrastructure impacts on water and wastewater distribution within 40+ towns. This GIS-based analysis included groundwater supply extraction, and domestic and municipal wastewater discharge.

**Comprehensive Water Resources Management Plan, Norton, Massachusetts.** Responsible for evaluating water resource issues related to the development of a comprehensive water resources management plan. Work involved scheduled meetings with Citizens Advisory Council to discuss data results, public education methods, and institutional modifications for Norton's future.

## PAPERS & PRESENTATIONS

- February 2017  
Martin, B.A., "Emerging Contaminants: PFAs," MWUA
- September 2016  
Martin, B.A., "Emerging Contaminants: A Tale of Two Cities," NEWWA
- June 2016  
Martin, B.A., "Emerging Contaminants: Update on an Evolving Landscape," MCWRS
- September 2016  
Martin, B.A., "Emerging Contaminants: How Low is Low Enough?," GSWRA
- May 2016  
Martin, B.A., "Water System Responds to Perfluorochemicals: A Case Study," EBC Site Remediation and Redevelopment Program
- March 2015  
Martin, B.A., "How to Save an Aquifer-The Pease AFB Story," NEWWA
- October 2015  
Martin, B.A., "2015 Water Resources and Sustainability Symposium," NEWWA
- October 2015  
Martin, B.A., "The Water Management Act and I/I," MWUA
- September 2015  
Martin, B.A., "The Outer Cape Future Water Resource Strategies" 134th NEWWA Conference
- September 2002  
Martin, B.A. presented "The Use of Low-Cost Micro-Measurement Techniques for Aquifer Monitoring and Safe yield Analysis: A Case Study, Portsmouth, New Hampshire"
- October 1990  
Martin, B.A. and R.A. Francis, "Long-term VOC treatment effectiveness using pump and recovery methods in a multi-layered aquifer setting," Plainville, CT. Water Pollution Control Federation, 63rd Annual Conference, Washington, DC
- Environmental Evaluations for Water Supply, Salem, New Hampshire.** Evaluated watershed protection bylaws, landfill impacts, and water quality monitoring programs for town's water supply. Developed a watershed protection initiative consisting of education programs and a water protection committee.
- Source Water Asset Program, DEP, Massachusetts.** Identified land use patterns, resource protection areas, watershed yields, and potential contamination sources for 27 municipal systems. The grant program included review of protection by laws and the recommendation of necessary changes and implementation plans. The project required coordination of GIS mapping for input in the Massachusetts GIS program.
- Comprehensive Water Resource Management Plans, Various Locations, Massachusetts.** Managed hydrogeologic investigations for wastewater discharge and nutrient load modeling for comprehensive water resource management plans in Concord, East Bridgewater, Norton, North Reading, and Sudbury, Massachusetts.
- Water Supply Services, Various Locations.** Evaluated watershed yield and zones of contribution for water supplies in Berwick, East Boothbay, Houlton, and Sunday River, Maine; Derby Center, Jericho, and Ludlow, Vermont; Lee and Troy, New Hampshire; and Frankfurt, Middleville, Newburgh, and Poughkeepsie, New York.
- Watershed Evaluations, Various Locations, Massachusetts.** Developed and implemented watershed evaluations for point and non-point pollution sources under the State Lakes and Ponds Grant Program. Completed studies in Tyngsborough, Leominster, and Seekonk.
- Hobbs Brook Reservoir Evaluations, Cambridge, Massachusetts.** Project manager for evaluations for Hobbs Brook Reservoir, a drinking water source for the city. Evaluated limnologic conditions, characterized nutrient inputs from stormwater systems, and developed recommendations for cost-effective stormwater BMPs and an in-lake management program. The characterization included an evaluation of nuisance aquatic vegetation, water quality profiling and an evaluation of historic water quality sampling efforts, both within the reservoirs embayments as well as from stormwater systems.
- Watershed Recharge Plan, Sharon, Massachusetts.** Developed an integrated GIS-based watershed recharge plan for the town. The plan identified water balance issues from current water withdrawals and return flows from wastewater and stormwater. Using GIS systems, areas were prioritized for recharge and infiltration providing a foundation for future projects and town-based regulation.

## BACKGROUND

2012-Present  
Permitting Manager  
Weston & Sampson

2002-2012  
Environmental Scientist  
Weston & Sampson

2002  
Laboratory Technician  
Biomarine Laboratories

1998-2002  
Environmental Science Student  
Bates College

1998 and 1999  
Department of Public Works  
Gloucester, Massachusetts

## EDUCATION

2002  
Bachelor of Science  
Environmental Science  
Bates College

## PROFESSIONAL CERTIFICATION

OSHA HAZWOPPER 40 Hour  
Regulations 29 CFR  
1910.120 and 1926.65

Army Corps Certified  
Wetlands Delineation  
June 2003

Tony is an environmental scientist with nearly 20 years of professional experience in the environmental and natural resource management field. He coordinates all aspects of environmental permitting for Weston & Sampson. Working within the fields of hydrogeology, engineering, water resource development, wetlands sciences, renewable energy and construction oversight, Tony has specialized experience with developing permitting strategies that follow stringent permitting requirements for a variety of environmental engineering projects including municipal infrastructure and construction projects, renewable energy siting and development, lake management and dredging, and wetland creation/restoration.



## SPECIFIC PROJECT EXPERIENCE

**Charles River Riverbank Vegetation Management Plan, Massachusetts Department of Conservation and Recreation.** Permitting manager for development of the Charles Riverbank Vegetation Management Plan (RVMP), which utilizes an ecological-functions approach and incorporates parts of four communities (Boston, Cambridge, Newton, and Watertown) that play a role in permitting the plan.

**Moakley Park Master Plan, Boston Parks and Recreation Department (BPRD), Boston, Massachusetts.** Providing support for project management, climate resilience, and interdisciplinary engineering services for the advancement of the Moakley Park Vision Plan. Moakley Park is the largest waterfront park in Boston and is increasingly vulnerable to flooding due to climate change. The project scope includes baseline technical assessments, community engagement, and schematic flood barrier design. Responsibilities for this project include evaluation of permitting requirements for implementation of the Master Plan.

**Parks and Recreation Projects, Boston, Massachusetts.** Permitting manager for all aspects of the permitting tasks for various parks and recreational projects involving environmental due diligence support, engineering evaluation, and wetlands permitting. Working with landscape architects to provide delineation of resource areas, identification of altered wetlands areas, development of permitting strategies and schedules, permitting of final designs (including playgrounds, turf fields, and water access), and expert testimony at public hearings. Projects included two waterfront parks: LoPresti Park and Mayor Menino Park.

**High School Athletic Complex, Danvers, Massachusetts.** Provided permitting services for the development of a sports complex at Danvers High School. Work included the development of new synthetic turf field, relocation of practice fields, and the baseball field, all located near a perennial stream and within the 200-foot riverfront area. Worked with the project team to develop a permitting strategy based on several alternatives and permitted the preferred alternative. Provided expert testimony and construction oversight.

**Newman School Fields, Needham, Massachusetts.** Provided permitting services for the redevelopment of athletic fields behind Newman School, located adjacent

to a conservation area and wetland resource areas. Worked with the project team to develop a permitting strategy for the fields as well as a passive recreational trail through the conservation land. Successfully permitted the project through the local wetland process. Provided expert testimony and construction oversight.

**Atlantic Sports Center, Amesbury, Massachusetts.** Provided permitting services for the private development of a sports complex, including hockey rinks, office building, and ancillary structures. Worked with the project team to develop a permitting strategy based on several alternatives. Worked to reduce or eliminate the permitting needs by developing a working alternative for development and taking the project through design.

**Environmental Permitting Assistance, Various Locations, New England.** Provided environmental permitting assistance associated with wetlands impacts and restoration in several communities. Permits included MEPA certification, ACOE General Permit, MassDEP 401 Water Quality Certification, Chapter 91 Licensing, NHESP Notification, and wetlands permitting. Permitting projects have included remediation within Mill Creek and Ashuelot River in Keene; Medfield State Hospital Remediation for the DCAMM; Miller's River restoration and monitoring for MassDOT; Willow Pond Dredging for Look Park in Northampton; Weymouth Sewer Main Replacement and wetland restoration; Salisbury Industrial Park for Salisbury; Kingman Pond Dam for Mansfield; and the Arlington Reservoir Dam, Mill Brook Corridor & Wellington Park, and Robbins Farm Field Renovations and Upgrade project in Arlington.

**On-Call Environmental Services, Massachusetts Port Authority Sites, Various Locations, Massachusetts.** Provided environmental permitting support for multiple task orders for on-call environmental services, including the dredging of PCB-impacted sediment at Hanscom Field in Bedford, Massachusetts. Supervised wetland monitoring and stormwater compliance of construction impacts associated with the runway improvements at Logan Airport, Boston Massachusetts. Work included filling/dredging of coastal resource areas and associated construction impacts, including stormwater management.

**Sailor's Home Pond Dredging, Quincy, Massachusetts.** Assisting with the wetlands component of this project which involves the completion of in-pond sediment removal and modification of the local stormwater infrastructure through retrofit stormwater BMPs.

**Water Quality and Sediment Sampling, Various Locations, Massachusetts.** Designed and ran water quality and sediment sampling and analysis on lakes and ponds throughout Massachusetts. Work was coordinated through grants received by various town agencies, including conservation committees and parks and recreation departments, and consisted of installing piezometers and running tests for bacteria, metals, waste effluent, etc. Projects included the Runnins River in Seekonk, Rockwell Pond in Leominster, Lake Mascuppig in Tyngsboro, and Lake Pearl in Wrentham, Massachusetts.

## BACKGROUND

2002-Present  
Senior Environmental Scientist  
Weston & Sampson

1995-1999  
Hydrologist  
ENSR  
Acton, Massachusetts

1995  
Consultant  
The Nature Conservancy  
Durham, North Carolina

1994  
Environmental Specialist  
Water Quality Management Division  
U.S. Environmental  
Protection Agency  
Philadelphia, Pennsylvania

1990-1992  
Environmental Education/Forestry  
Extensionist  
United States Peace Corps Benin,  
West Africa

## EDUCATION

2009  
Post-baccalaureate Certificate  
Geographic Information Systems  
Pennsylvania State University  
(Masters level courses in problem  
solving with GIS, GIS Database  
Development and Environmental/  
Water Related GIS Applications)

1995  
Master of Environmental  
Management  
Duke University

1987  
Bachelor of Arts  
Economics/French

## PROFESSIONAL REGISTRATION

Professional Wetland Scientist  
(PWS #2520)

## PROFESSIONAL SOCIETIES

Society of Wetlands Scientists

Association of Massachusetts  
Wetland Scientists

Melvin is a senior environmental scientist in the firm's Environmental Resources group. He has over 20 years of water quality, environmental analysis, and environmental permitting experience.

## SPECIFIC PROJECT EXPERIENCE

### Sailor's Home Pond Environmental Assessment and Management Plan, Quincy, Massachusetts.

Conducted an evaluation of Sailor's Home Pond, located at the intersection of Rice Road and Wendell Avenue in Quincy, to address concerns regarding pond water quality due to land use practices, increased fill and sediment, impacts from phosphorus and nitrogen, algal blooms, and reduced vegetation. Collected and reviewed available documents to understand general pond and watershed characteristics and to identify what data gaps needed to be filled. Proposed management options included dredging, increased street sweeping and catch basin cleaning, stormwater pollutant removal (retrofit stormwater BMP), chemical and aeration treatment, modified stormwater infrastructure, and long-term annual monitoring.

**Maskwonicut Street Bridge, MassDOT, Sharon, Massachusetts.** Identified protected environmental resources within project limits for the replacement of an existing single-span bridge, currently out of service, which carries Maskwonicut Street over the AMTRAK/MBTA railroad tracks in the Town of Sharon. Guided the project through the environmental and historic permitting process for state regulations.

**Intersection Improvements Design, Colrain, Massachusetts.** Provided services in conjunction with the complete design of intersection improvements at Main Road, Jacksonville Road (Route 112), and Greenfield Road to facilitate traffic movements through the area. Conducted field efforts to identify protected environmental resources and help design the project to minimize environmental impacts.

**Charles River Riverbank Vegetation Management Plan, Massachusetts Department of Conservation and Recreation (DCR).** Provided permitting services for the development of the Charles Riverbank Vegetation Management Plan (RVMP), which utilizes an ecological-functions approach and incorporates parts of four communities (Boston, Cambridge, Newton, and Watertown) that play a role in permitting the plan.

### Vegetative Management Plan for the Head of the Charles Regatta® Reunion Village Hospitality Area, Cambridge, Massachusetts.

Senior environmental scientist for the preparation of a vegetation management plan (VMP) on behalf of the HOCR and in cooperation with the Massachusetts Department of Conservation and Recreation (DCR). Provided permitting guidance for VMP development on an accelerated schedule to address the need for vegetation/species management by targeting selective invasive and noxious plants along the riverbank at the location of the Reunion Village.





North American Lake Management  
Society

New England Water Works  
Association

## PAPERS & PRESENTATIONS

Gong, Gavin; Hickey, Ken; and Higgins, Mel, "Hydrodynamic Flow and Water Quality Simulation of a Narrow River System Influenced by Wide Tidal Marshes," Presented August 1998.

Sung, Windsor and Higgins, Mel, "Trace Metal Levels in the Municipal Wastewater of Greater Boston," Water Environment Research, July 1998.

Sung, Windsor and Higgins, Mel, "Boston Harbor as a Continuous-Flow Stirred Tank Reactor, Use of Mussel Biomonitoring and Effluent Discharge," Boston Society of Civil Engineers, February 1998.

**Permitting for the Nantucket Harbor Shimmo and PLUS Parcels Sewer Extension Project, Nantucket, Massachusetts.** Providing permitting and wetlands consulting services related to the comprehensive sewer extension project on the island. Responsible for ensuring that all project work meets the stringent environmental permitting requirements. Compiled and submitted permits to the Nantucket Conservation Commission (Notice of Intent), Nantucket Historic Commission (Certificate of Appropriateness) and Massachusetts Endangered Species Act (MESA) office (Project Review).

**Phase II Remediation of Former Manufactured Gas Plant, Keene, New Hampshire.** Assisting with the wetlands and permitting component of this impacted sediment dredging project. Assisted with preparation of ACOE, NHDES, and local permit applications, including Programmatic General permit, Dredge and Fill permit, and Alteration of Terrain permit.

**Furnace Pond Dredging, Pembroke, Massachusetts.** Assisting with the wetlands and permitting component of this project which involves improving the ecological and recreational value within Furnace Pond by deepening the pond through the dredging process.

**Sailor's Home Pond Dredging, Quincy, Massachusetts.** Assisting with the wetlands and permitting component of this project which involves the completion of in-pond sediment removal and modification of the local stormwater infrastructure through retrofit stormwater BMP's.

**Stormwater Recharge Siting Study, Pembroke, Massachusetts (SWMI Grant # BRP-2012-06).** Worked with the town to create a watershed-based planning tool for enhancing the effectiveness of the Water Management Act permitting process, and to clarify ways to measure and implement mitigation concepts under the SWMI framework. Used advanced GIS technology to select recharge sites through the development and analysis of overlay maps, including soil permeability, saturated thickness, depth to groundwater. LiDAR topography, wetland resources, Water Resource Protection districts, land ownership, impervious cover, and stormwater infrastructure.

## BACKGROUND

2018-Present  
Team Leader  
Weston & Sampson

2014-2018  
Project Manager  
Weston & Sampson

2008-2014  
Structural Engineer  
Hart Design Group, LLC

2007-2008  
Project Manager  
The Torrey Company

2005-2007  
Project Manager  
Churchill & Banks, LLC

1999-2005  
Structural Engineer  
Lin Associates, Inc.

1994-1999  
Field Engineer  
Bechtel Corporation

## EDUCATION

1994  
Bachelor of Science  
Civil Engineering  
Worcester Polytechnic Institute

## PROFESSIONAL REGISTRATION

Massachusetts (No. 41693)  
Rhode Island (No. 7663)  
Connecticut (No. 29660)  
Kentucky (No. 29965)  
Florida (No. 79595)  
South Carolina (No. 35047)  
Vermont (No. 018.0134531)  
North Carolina (No. 048585)

LEED® Accredited Professional

## PROFESSIONAL SOCIETIES

American Society of Civil Engineers

Nathan, a team leader in Weston & Sampson's structural engineering department, has more than 25 years of engineering and construction experience. His areas of expertise include reinforced concrete, masonry, structural steel, and timber design, and he is well versed in the International Building Code. His project experience includes design for new construction and renovation of commercial, multi-unit residential institutional and pharmaceutical/industrial buildings; water/wastewater treatment facilities; and bridges. Nathan also has construction management experience and is a LEED® Accredited Professional.



## SPECIFIC PROJECT EXPERIENCE

**Municipal Services Facility, Andover, Massachusetts.** Responsible for structural design and construction administration for a new 60,000-square-foot public works facility with vehicle storage, vehicle maintenance, and administration areas. Structure was a one- and two-story pre-engineered metal building.

**Department of Public Works and Natural Resources Facility, Orleans, Massachusetts.** Responsible for structural design and construction administration for a new 42,000-square-foot public works facility with vehicle storage, vehicle maintenance, and administration areas. Structure was a one-story pre-engineered metal building.

**New Public Works Facility, Hopkinton, Massachusetts.** Responsible for structural design and construction administration for a new 40,000-square-foot public works facility with vehicle storage, vehicle maintenance, and administration areas. Structure was a one- and two-story pre-engineered metal building.

**Consolidated Public Works Department Facility, Waterbury, Connecticut.** Responsible for structural design and construction administration for a new 120,000-square-foot facility designed to house all public works operations (administration, shops, highway, parks, refuse) plus a central DPW vehicle maintenance shop, and separate shops for maintenance of fire department vehicles, and police department vehicles. Structure was a combination of new pre-engineered and conventional steel additions on an existing steel structure. Substantial structural modifications were performed on the existing building.

**Bridge Reconstruction Services for the Mountain Road over Mill Brook C-05-06 Bridge, MassDOT, Charlemont, Massachusetts.** Engineer responsible for providing services as part of the complete reconstruction and relocation of the roadway and the Mountain Road Bridge over Mill Brook. The 16-meter single-span bridge included pre-stressed, pre-cast concrete butted box beams and integral abutments. In accordance with MassDOT requirements, work included survey, final roadway design, design of sidewalks to ADA standards, utility/drainage improvements, geotechnical engineering, detour route selection, and contract documents preparation.

**Ireland Street over West Branch Bronson Brook, MassDOT, Chesterfield, Massachusetts.** Provided structural engineering services for the replacement of an existing 56-foot single span, steel thru-girder bridge. Responsibilities included performing a bridge type study; developing conceptual bridge plans, evaluating bridge superstructure replacement options of prestressed concrete NEXT beams, steel girders with precast concrete deck panels, and steel girders with shop fabricated concrete decks; and analyzing existing abutments.

**Water Street over Blackstone River Bridge, Millbury, Massachusetts.** Responsible for structural design and construction administration for the bridge substructure and superstructure design for Mass Highway Department. The superstructure was constructed with prestressed concrete box beams.

**Central Artery/Tunnel Project, Boston, Massachusetts.** Worked on project to depress a major artery through the city and adding a third harbor tunnel. Responsible for field construction inspection and other construction management duties on portions of the project.

**Ayer Commuter Rail Parking Facility for Montachusett Regional Transit Authority (MART), Ayer, Massachusetts.** Structural Engineer of Record for the design of a one-level, 79-space elevated parking deck servicing the local commuter rail station. The elevated parking deck was constructed in precast concrete supported on cast-in-place concrete foundations.

**Repairs to Existing Marine Industrial Park Central Parking Garage for Boston Planning and Development Agency (BPDA), Boston, Massachusetts.** Responsible for managing the repairs to an existing five-level precast parking garage. Scope of work includes structural repairs, waterproofing repairs, joint replacement, drainage replacement, fire protection replacement, and fire alarm renovation. The parking garage remains in service during the repairs.

**Brunswick Gardens Middle School (currently Lilla G. Frederick Pilot Middle School), Boston, Massachusetts.** Structural engineering for a new 144,000-square-foot composite steel framed structure.

**Copeland Building, Mass Maritime Academy, Buzzard's Bay, Massachusetts.** Responsible for analyzing the existing structure, developing structural details, and construction administration for the structural renovation of a historic building that included jacking and underpinning the foundation, and seismic and wind bracing.

## BACKGROUND

2018-Present  
Senior Project Manager  
Weston & Sampson

2015-2018  
Project Manager  
Weston & Sampson

2013-2015  
Project Engineer  
Weston & Sampson

2005-2013  
& 1999-2004  
Staff Engineer  
Miller Engineering & Testing, Inc.

2004-2005  
Geotechnical Engineer  
PSI, Inc.

1998-1999  
Field Engineer  
SMW Seiko, Inc.

## EDUCATION

2005  
Master of Science  
Geotechnical Engineering  
University of Massachusetts, Lowell

1998  
Bachelor of Science  
Civil & Environmental Engineering  
University of Massachusetts,  
Amherst

## PROFESSIONAL REGISTRATION

Professional Engineer:  
Massachusetts No. 50328  
New Hampshire No. 13858

Tom is a senior project manager in the firm's environmental and geotechnical program. He has over 20 years of experience with geotechnical engineering design and has been responsible for managing multiple ongoing construction projects. His specific areas of expertise include foundation design, retaining wall and slope stability analyses, and dam safety engineering.



## SPECIFIC PROJECT EXPERIENCE

**Massasoit State Park Dam Rehabilitations, Taunton, Massachusetts.** Project manager and dam safety engineer for rehabilitation of five earthen embankment dams in Massasoit State Park ranging from 180 to 365 feet long and 10.5 to 18.5 feet tall. The dams are Intermediate Size, High Hazard Structures. The project includes coordination with Massachusetts DCR Office of Dam Safety, environmental permitting, repair of concrete outlet structures, raising the crest of one of the dams, and embankment improvements including slope armoring, and mineral filter construction. Coordinated and completed engineering analyses; prepared drawings and specifications; coordinated environmental permit preparation and presentations; and provided bidding assistance.

**East Park and Navy Yard Park, Natick, Massachusetts.** Geotechnical engineer for the project which involved renovations to these two parks, including underground utilities, ADA compliant pathways, play equipment, park and drive improvements, restrooms, lighting, sports fields, court replacement, stormwater management systems, and signage.

**South Mill Pond Courts and Leary Field Lighting Improvement Project, Portsmouth, New Hampshire.** Geotechnical engineer for the project which involved the complete refurbishment of six tennis courts and two basketball courts and the addition of court lighting.

**Beach Revetment, Manchester-by-the-Sea, Massachusetts.** Geotechnical engineer for the revetment efforts at Singing Beach in the coastal town. The goal of improving the existing revetment structure is to preserve and protect the shoreline at Singing Beach against erosion and sea level rise. Responsible for coordination with the Conservation Agent and the contractor.

**East Park and Navy Yard Park, Natick, Massachusetts.** Geotechnical engineer for the project which involved renovations to these two parks, including underground utilities, ADA compliant pathways, play equipment, park and drive improvements, restrooms, lighting, sports fields, court replacement, stormwater management systems, and signage.

**White Memorial Pool, Rutland, Vermont.** Senior geotechnical engineer assisted with constructability issues and a dewatering plan for the contractor to successfully implement in a deep excavation adjacent to Moon Brook with a high-water table and soft soils.

**Arbor Way Retaining Wall Assessment, Fitchburg, Massachusetts.** Project manager for the Arbor Way retaining wall assessment, which included a condition

assessment of the failing wall and recommendations for design repairs.

**Newman School Athletic Fields & Eastman Conservation Area Improvements, Needham, Massachusetts.** Geotechnical engineer for this project to design boardwalks/trail improvements and sports field upgrades to the Eastman Conservation Area, which serves as an outdoor learning laboratory for the elementary school.

**Emery Field Multi-Use Fields and Pathways Project, Kittery, Maine.** Geotechnical engineer for the project which included the construction of a multi-use athletic field with subsurface drainage system and irrigation system and an ADA-compliant walking path that links all facilities, to be shared by service vehicles and emergency vehicles.

**Clesson Brook Road State Bridge #B-28-010 Replacement, Buckland, Massachusetts.** Geotechnical engineer for replacement of the existing bridge over Clesson Brook. The project included removal of the existing single span bridge (33-foot-long span) with a new concrete arch bridge with a 51-foot-long span. Coordinated geotechnical fieldwork and laboratory testing, completed engineering analyses, and prepared a technical report including geotechnical earthwork and design recommendations. It was recommended that the abutments and wing-walls were supported by conventional shallow spread footings bearing on the native glacial till.

**Shady Hill School Repair, Cambridge, Massachusetts.** Geotechnical project manager for the 6th and 8th grade building repair and modification project at the Shady Hill School. Prepared project scope and budget, coordinated geotechnical fieldwork, completed engineering analysis, and prepared a technical report. Conducted a geotechnical evaluation of the perimeter foundations of the 6th grade building that had exhibited structural distress, and the 8th grade building where water had infiltrated the basement level and the non-structural basement slab had partially collapsed. Recommended underpinning the 6th grade building foundation with helical piers to correct the structural deficiencies. Recommended replacement of the 8th grade basement slab with a slab structurally connected to existing pressure-injected-footing deep foundations. Also recommended a perimeter cut-off wall and drainage system to prevent water infiltration into the basement area.

**Alewife Brook Shopping Center, Cambridge, Massachusetts.** Geotechnical engineer for the approximately 50,000-square-foot building. Coordinated geotechnical fieldwork and laboratory testing and completed engineering analyses and a technical report including recommendations the proposed site development. Addressed geotechnical considerations including up to 15 feet of urban fill and organic materials and relatively shallow groundwater below the building area. Recommended compacted stone columns for improvement of the existing fill and organic soils to support a conventional shallow foundation and slab-on-grade and reduce excavation and disposal of potentially contaminated soils. Provided the design and construction teams with geotechnical engineering support and managed observation of geotechnical-related aspects of earthwork, ground improvement, and foundation construction.



**BACKGROUND**

2019-Present  
Senior Project Manager  
Weston & Sampson

2015-2019  
Project Manager  
Weston & Sampson

2013-2015  
Project Engineer  
Weston & Sampson

2011-2013  
Project Engineer  
RH2 Engineering

2002-2011  
Engineering Technician  
Thornton Engineering

2001-2002  
Engineering Technician  
Precision Structural Engineering

**EDUCATION**

2002  
Bachelor of Science  
Civil Engineering  
Oregon Institute of Technology  
Magna Cum Laude

**PROFESSIONAL REGISTRATION**

Professional Civil Engineer:  
Massachusetts No. 50675  
Maine No. 13334  
New Hampshire No. 14212  
Oregon No. 69365  
California No. 80272

**PROFESSIONAL AFFILIATIONS**

Boston Society of Civil Engineers  
Section of the American Society of  
Engineers (BSCES)

American Water Works Association  
(AWWA)

New England Water Works  
Association (NEWWA)

Professional Engineers of Oregon

James, a project manager at Weston & Sampson, has more than 15 years of experience in design, analysis, and construction for a diverse range of projects, including water distribution systems, sewer pipelines, storm drainage conveyance and treatment systems, site planning and design, and structural and roadway design. His skills include computer-aided site/infrastructure design and modeling, hydrology and hydraulic analysis, floodplain modeling, structural modeling, and surveying.



**SPECIFIC PROJECT EXPERIENCE**

**Newton Highlands Playground, Newton, Massachusetts.** Site/civil engineer for park/playground improvements generated in response to the needs of the city as expressed by various community representatives at a series of public hearings and through the issuance of a comprehensive Park User Survey.

**Langone Park and Puopolo Playground, Boston, Massachusetts.** Site/civil engineer responsible for reviewing on-site grading and drainage to ensure project compliance with Massachusetts DEP stormwater policy and BWSC criteria and ensure proper site drainage. Design efforts include sizing, design, and specifications of on-site drainage facilities and coordination with landscape design to ensure a seamless design.

**Harambee Park, Boston Parks and Recreation Department, Dorchester, Massachusetts.** Site/civil engineer for Phase 1 Improvements to Harambee Park, one of the city's largest open space assets. Efforts included record research of existing utilities, field investigation of on-site drainage, sewer and water infrastructure, and coordination with proposed design to mitigate utility conflicts. Design effort also included sizing of on-site storm drainage systems to meet BWSC criteria.

**Fallon Field Playground, Boston Parks and Recreation Department, Roslindale, Massachusetts.** Site/civil engineer for improvements to Fallon Field Playground in Roslindale. The project involved the installation of new playground equipment, surfacing, and pedestrian walks. Efforts included review of landscape grading and drainage design and recommendations and design direction to the design team to ensure compliance with BWSC stormwater policy.

**Hobart Park Improvements, Boston Parks and Recreation Department, Brighton, Massachusetts.** Site/civil engineer for improvements to Hobart Park in Brighton. The project involved the re-design of recreational space and the addition of a water play feature. Efforts included review of landscape grading and drainage design and recommendations and design direction to the design team to ensure regulatory compliance and technical feasibility for proposed stormwater improvements and water service connections.

**Improvements to Buzzards Bay Park, Bourne, Massachusetts.** Site/civil engineer responsible for improvements to this signature waterfront park located on the Cape Cod Canal. Park improvements include a splash pad, pathways/connections, landscaping/plantings, seating areas, and a picnic/gathering pavilion, among

other amenities and enhancements.

**Comprehensive Design for Centennial Beach Refurbishment, Hudson, Massachusetts.** Site/civil engineer for renovation of a popular town-managed swimming beach. Project includes a new bathhouse, renovated old bathhouse for storage, open air pavilion space, beach and landscape restoration, a new accessible path system, extensive stormwater management upgrades, and parking area improvements.

**Distribution Center Site Work, Taunton, Massachusetts.** Developed site design plans, drainage plans and calculations, and wetland replication design and grading for the expansion of a private developer's distribution center.

**Site Plan Peer Review, Tewksbury, Massachusetts.** Performed peer review services for site development plans in conformance with the town's subdivision rules and regulations.

**Water Treatment Plant Site Work, Chatham, Massachusetts.** Designed yard piping, site grading, and infiltration system for a 1-mgd water treatment plant.

**Water Treatment Plant Site Work, Norton, Massachusetts.** Designed yard piping, site grading, and residuals lagoons for a new treatment plant.

**DPW Facility Roadway Plans, Wayland, Massachusetts.** Developed roadway design plans for an access route to the new Wayland DPW facility. Design included roadway grading, culvert replacement, critter passages, drainage design/calculations, and habitat/wetland mitigation measures.

**Mill Brook Corridor and Wellington Park, Arlington, Massachusetts.** Provided site/civil engineering support for the revitalization of the Mill Brook corridor and Wellington Park. Project work includes site improvements, vegetation management planning, and bank restoration.

**Atlantic Sports Center, Amesbury, Massachusetts.** Worked with a private developer to develop site plans for a 400,000-square-foot ice hockey facility on a 40-acre parcel of land. Work included development of existing conditions mapping, conceptual design, planning board and conservation commission permitting, and development of construction plans. Design included 800 parking spaces, utilities, stormwater management features, an access road network and large retaining walls to make a challenging hilltop site suitable for development of a large facility.