

Moran Frame Burlington

PHASE II CONCEPTUAL DESIGN & SCOPING
MVVA TEAM PROPOSAL

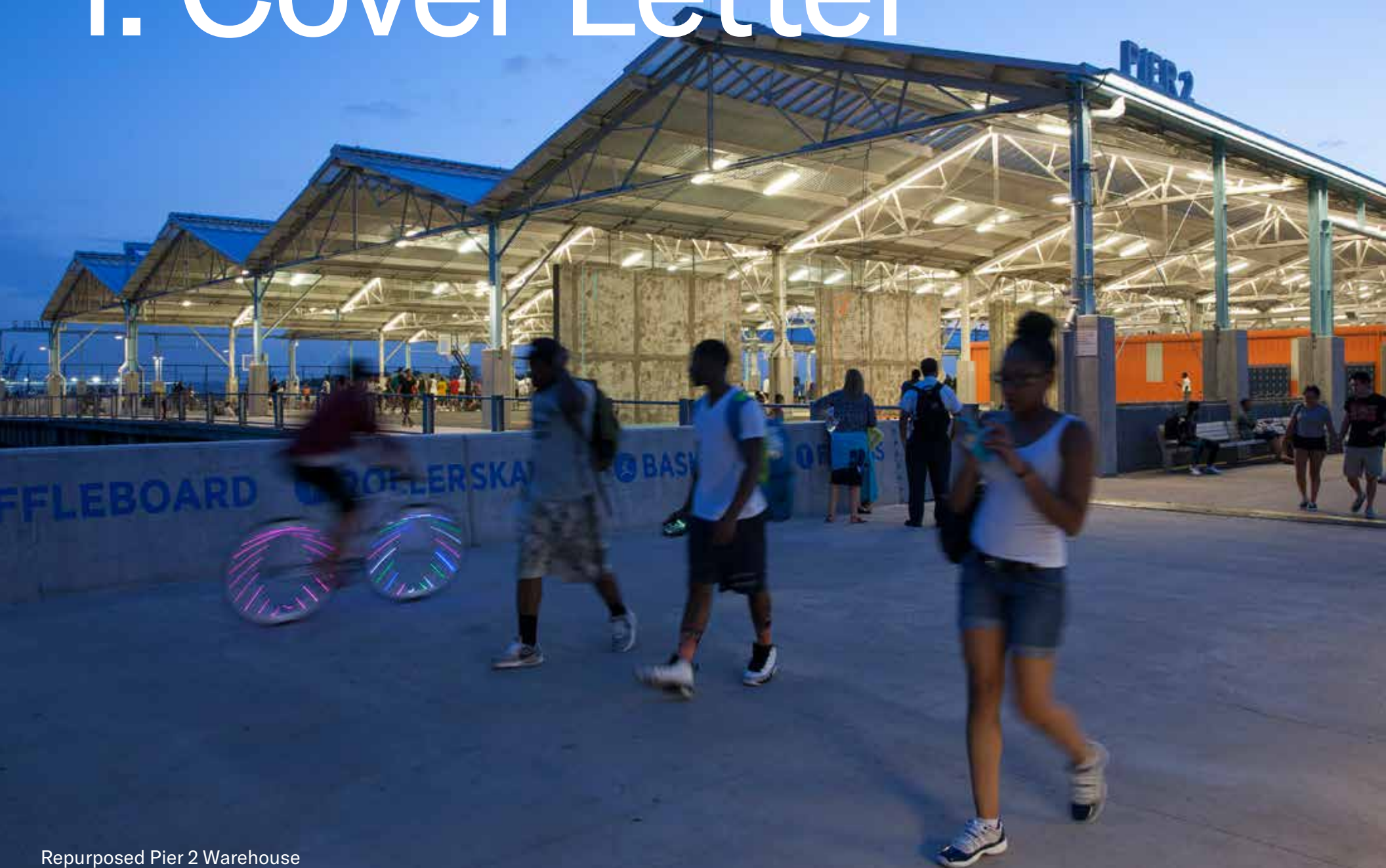
Community & Economic Development Office (CEDO)
Burlington Parks, Recreation & Waterfront (BPRW)

21 April 2023

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1. Cover Letter



April 21, 2023

To Samantha Dunn, Assistant Director for Community Works, CEDO:

It's exciting to hear that the city is preparing to enter the second phase of work on the Moran Frame. In October of 2022, I had the privilege of exploring the Burlington waterfront and the site while taking part in the Urban Design Workshop that was organized by the City and Friends of the Frame. Based on our extensive experience creating dynamic public parks from postindustrial waterfronts, Michael Van Valkenburgh Associates (MVVA) and our entire team see abundant potential for the Frame to become a world-class park space, anchored in the history of Burlington by its central landmark.

The Moran Frame structure is remarkable in its historic presence, sheer size, and recent transformation. As we discussed last fall, this iconic feature deserves an equally compelling public realm. Our comprehensive vision for the site would lend an opportunity to integrate the structure with a landscape that is exciting, navigable, and welcoming.

Several ideas emerged during the charrette that we would expand on if selected to lead the Conceptual Design and Scoping Plan for the 2nd Phase of work. We feel that the public's enjoyment of the structure and site can be enhanced through a landscape that supports year-round programming on the waterfront, expands access and

connections from nearby neighborhoods, and creates an engaging environment for every kind of visitor. New topography and elevated circulation can be used to highlight views of Lake Champlain while also adding to its variety of settings: active recreation, a gently sloping event lawn, relaxed sunning spots, and a dynamic pedestrian circuit that interacts with the Frame.

MVVA has crafted concept designs, project scopes and tailor-made design processes for public parks of every shape and size, and we would work closely with the City Project Team to create a firm foundation for the Frame's implementation. A successful plan will not only invigorate the site surrounding the Moran Frame, but also further inspire a year-round park-going culture for Burlington's entire waterfront park network. Our expertise in transforming civic ambitions into cost-effective and impactful built work will be critical to achieving that vision.

For the Conceptual Design and Scoping Phase, we have brought together national practices and local experts to deliver the best of both worlds. As the lead landscape architect and primary consultant, MVVA would guide a multidisciplinary team and act as the main point of contact for the city. We would lead the production of the narrative and graphic content necessary to communicate

the vision for the Frame to a range of stakeholders, including community members and private donors. We have invited our long-time collaborators at Utile, a Boston-based firm, to lead the plan's architectural and urban design services. Our core design brain trust would also include a Burlington-based landscape architecture firm, the SE Group (SEG), and Freeman French Freeman (FFF), the architects of the transformation of the Frame. Both SEG and FFF bring deep local knowledge that will be essential to honor the park's urban context and planning effort to date. In addition to our Concept Design collaborative team, our work will be supported by technical consultants familiar with the site (such as site/civil engineers, structural and MEP engineers, and cost estimators) which will enable our team to call on targeted expertise when needed.

If MVVA is selected to lead this project, I would be the Partner-in-Charge, bringing more than 30 years of experience leading the planning, design, and implementation of award-winning waterfronts and public parks that are well-loved by their communities. I would work closely with MVVA Senior Associate Hillary Archer, who would be the project manager overseeing day-to-day work within our firm and coordination with our subconsultants. Hillary is a proud UVM grad and former resident of Burlington, and she brings considerable experience in project management and design.

We would be honored to work with City Project Team to create a public realm that elevates the experience of the Frame and secures a bold transformation of Burlington's northern waterfront park system. Thank you for considering our team and please let us know if you have any questions about our proposal.

Yours Truly,

A handwritten signature in black ink, appearing to read "Matthew Urbanski". The signature is fluid and cursive, with a large initial "M" and "U".

Matthew Urbanski, Principal
Michael Van Valkenburgh Associates, Inc.

2. Project Approach

OPPORTUNITIES & CHALLENGES

MVVA's parks are welcoming and democratic places that offer something for everyone, informed by community input and extensive research on the site and context. Our approach to conceptual design and scoping for the Moran Frame would be rooted in an understanding that great parks allow us to occupy places of beauty and experience the sense of civic belonging offered by a public landscape. We would aim to maximize the value of existing opportunities and transform the site's challenges into new possibilities.

Iconic Architecture and Iconic Views

The Frame's built presence, grand in scale and striking in form, is a terrific starting point for a new public landscape. It behaves as a recognizable landmark and an exciting programming instrument. The open Frame structure complements the Burlington waterfront's panoramic views of Lake Champlain and the distant Adirondack Mountains. As compelling as it is in its current form, we recognize that the Frame has even more untapped experiential value, particularly with the introduction of access up into the structure, allowing for elevated prospects that aren't available elsewhere on the waterfront.

Existing Trees

A collection of mature canopy trees forms a threshold to the Lake Street parking area. These will be the foundation for a planting plan including trees, grasses, and shrubs native to the region or acclimated to the waterfront that will highlight seasonal changes in a variety of ways.

Public Utilities

The area around the Frame is filled with civil infrastructure, including Burlington Electric Department's backup turbine, and the City's Water Treatment Plant. The design of the Frame landscape will need to respond to the visual and spatial impact of these utilities.



MVVA Fall 2022 Frame Site Visit

Strong Landscape Context

The site's context already offers many advantages that will allow it to thrive as an open space. Sitting at the southern end of the 14-mile Island Line Trail, the new park can benefit from Frame's proximity to other lakefront destinations and build on the success of other regional attractions, adding to the range of memorable outdoor spaces to be found in Burlington.

Center of Activity

A number of existing recreational uses on the waterfront provide the foundation for an active, multi-use open space network which can be enhanced through the programming and design of the Frame landscape. These include the Community Sailing Center, the A-Dog Skate Park, the Burlington Harbor Marina, the Waterworks Park and the Fishing Pier.

Topography and Climate

The flatness of the waterfront currently limits the potential to craft engaging environments that balance views with a sense of refuge. Moreover, the level plane leaves the site vulnerable to strong winds from Lake Champlain, which pose a challenge to visitor comfort and limit the range of potential plantings and microclimates.

Indirect Access to Downtown

Connection from downtown Burlington to the Frame is relatively circuitous, achieved by crossing North Ave, a primary road which bounds the Old North End (ONE) neighborhood to the North and East. Depot Street acts as a conduit from North Ave down into the site, but it is a narrow road, informally accessible only on foot or by bike, and covers a significant, inaccessible grade change from street to water level. Although it would lie beyond the scope of this project, future improvements to Depot Street might be incorporated in connectivity recommendations for the Moran Frame.

Limited Neighborhood Connections

To the east and north of the Frame lies the Old North End (ONE), one of Burlington's oldest and most densely populated neighborhoods. ONE is close to the waterfront, but access is hampered by steep grades.

KEY PROJECT THEMES

Through our participation in the Urban Design Workshop, the MVVA team has formed some initial ideas about landscape themes that can support the site's future as a vibrant new public landscape that complements both the Frame and the existing open space network along the Burlington Waterfront. Building on this early thinking, we would work with the City Project Team and the community to test and refine these initial approaches through the Concept Design process, shaping a design vision as well as outlining the strategies for achieving this vision.

A primary goal for our team will be **expanding access to the waterfront** by improving site connections and continuity while providing exciting recreational program and comfortable environments for visitors from near and far. We will look for ways to enhance the ability to engage with the Frame, providing access to world class views, programs, and experiences that don't currently exist.

A second guiding theme for our work would be **heightening multi-seasonal appeal**, taking advantage of Burlington's natural beauty and improving visitor comfort throughout the year. Design that promotes a range of microclimates and seasonal experiences will help support consistent, year-round use, weaving the Frame into Burlington's calendar of public life. In our design charette for the Frame, for instance, MVVA raised the possibility of a smooth ribbon track designed to support ice skating in the colder months as well as roller blading, balance biking, and scootering in the warmer.

The skating ribbon, which we envision as a dynamic loop through the site, also supports the MVVA team's third guiding theme: **multigenerational enjoyment of the Moran Frame**. The landscape will complement the experience of the structure, but also amplify it, giving it additional context and complexity. Programmatically, our goal would be to offer something for everyone, including high-activity zones, places to gather, performance spaces, and abundant opportunities for relaxation.

MVVA sees **unflattening the site landscape**, our fourth goal, as an important way to diversify programming, engage the water's edge, and integrate landscape and structure. For instance, a sweeping boardwalk could unite the park's amenities and connect to the waterfront at the Sailing Center, where a series of steps guides visitors to the lake. Circulation should introduce new ways to enjoy the site through a park circuit that winds upwards from ground level, providing access to an upper level of the Frame and connecting across short pedestrian bridges. This same system of mounds could shape an event lawn ringed by gently sloping grass areas featuring natural amphitheater seating to watch movies or other performances.

Most importantly, we see the Moran Frame landscape as an opportunity to prioritize **building for the future**, fortifying enjoyment of the waterfront with a meaningful and durable new landscape. Sustainability and environmental resilience will be essential to ensure that the Moran Frame landscape continues to inspire the Burlington community as well as contribute to the City's economic vitality and ecological richness for generations to come.

To ensure that Burlington Parks, Recreation, and Waterfront (BPRW) and the Community & Economic Development Office (CEDO) have the right tools to advance the project, we anticipate two major deliverables. The first will be a **Concept Design Report**, which is intended to be used for communicating with the public and with future donors, and would include project graphics (site plan, sections, and renderings) as well as a project narrative that describes the input received from public engagement as well as the design approach. The second major deliverable will be a **Scoping and Implementation Plan**, which will be more technical in nature, and will include the cost estimate, a proposed implementation plan, schedule, and scope of work for the design phases (SD, DD, CDs, etc.) to be used as the "roadmap" going forward.

SCHEDULE & SCOPE OF WORK

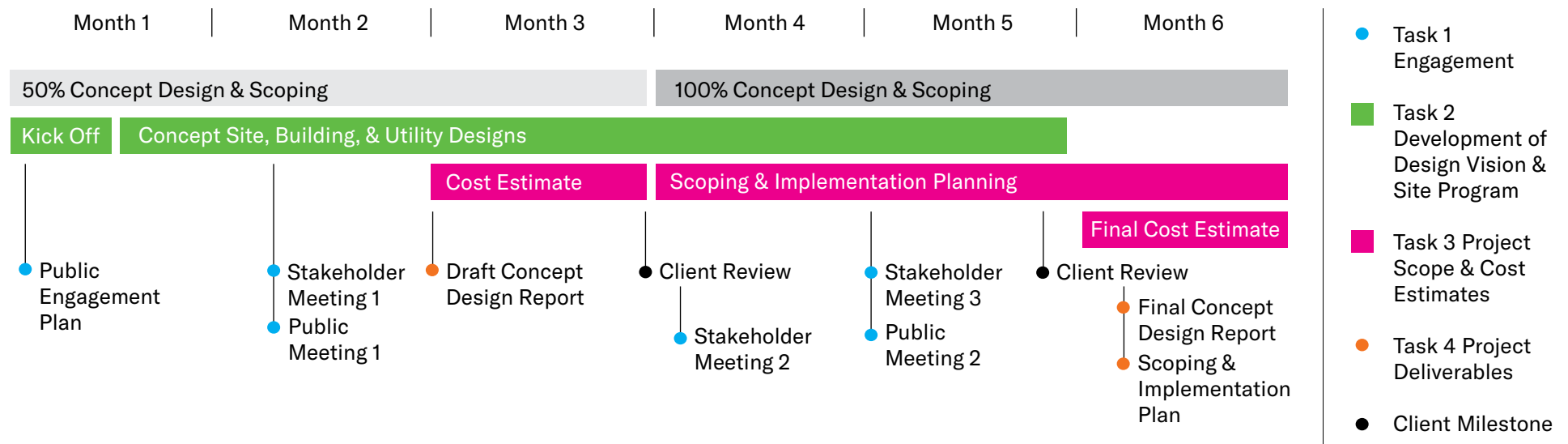
The Frame Conceptual Design and Scoping project will evolve through an iterative process that tailors the landscape strategy to the diverse circumstances that the Frame project brings together. The MVVA team will work at multiple scales, testing concept design ideas for financial and technical feasibility so that a cohesive strategy becomes stronger and more achievable with each step.

The MVVA team suggests concentrating the primary planning and design efforts, including high-level existing condition assessments, into an efficient 6-month period starting in Spring 2023. Our schedule includes anticipated timelines for all tasks, key milestones, Public Engagement events, and cost estimating.

In reviewing the desired Scope of Work outlined in the RFP, there are four Tasks: Task 1 Engagement, Task 2 Development of Design Vision and Site Program, Task 3 Project Scope and Cost Estimates, and Task 4 Project Deliverables.

Recognizing that work related to each of these tasks will be taking place simultaneously throughout the design process of this phase, we have broken our proposed schedule and work plan down into two equal subphases: 50% Concept Design & Scoping, and 100% Concept Design & Scoping. Both of these phases will be 3 months in duration and will involve ongoing collaboration with the City Project Team.

If selected to lead this Project, the MVVA team's very first task would be to work with the City Project Team to confirm a project schedule that can accommodate the Scope of Work in the RFP and provide the appropriate windows for client review and feedback to ensure steady progress and on-time project delivery. We anticipate regular reviews with the City Project Team and iterative refinements of our work to reflect feedback from the City, our subconsultants, the community, and stakeholders.



50% CONCEPT DESIGN AND SCOPING

3 MONTHS

Task 1: Engagement

- Development of Public Engagement Plan, in coordination with City Project Team, outlining format of public meetings, as well as identifying preferred dates and venues.
- Collaborate with City Project Team to identify smaller stakeholder groups and develop strategy for these meetings.
- Outline the strategy and objectives, create presentation materials for, and lead two (2) stakeholder meetings and one (1) public meeting. Summarize public response, and team reflections, in memo.

Task 2: Development of Design Vision and Site Program

- Kickoff Meeting and Site Visit, to include initial discussion of design and program ideas for the site as well as the structure of the Frame. The recommendations of the 2022 Urban Design Workshop would be a starting point for this discussion, with the assumption that preliminary approaches and ideas would need to be verified, expanded, and/or changed over the course of the Concept Design and Scoping effort.
- Preliminary evaluations and site data review.

- Initiation of Survey, to be performed by others, with input and review by project team.
- Initiation of Geotechnical investigations, to be performed by others with input and review by project team.
- Build physical model of site and Frame for use in public meetings, as well as computer model of site and Frame for development of renderings.
- Biweekly Zoom meetings between MVVA team and City Project Team, as well as regular contact by phone as needed.
- Ongoing development of design vision and site program, reflecting input from public engagement and City Project Team. Proposed architectural approaches to the Frame will be developed in coordination with proposed landscape design.

Task 3: Project Scope and Cost Estimates

- Preliminary Cost Estimate – submitted after the first three months, based on the materials in the Draft Concept Design Package submission.

Task 4: Project Deliverables

- Draft Concept Design Package – submitted or review and comment by City Project Team after the first two months, to include preliminary drafts of a graphic plan, sections, renderings,

and project narrative. The objective is to confirm the style of renderings and plans, initial program, and design direction.

- MVVA team will move on to 100% Concept Design and Scoping after City Project Team has reviewed 50% materials, provided comments, and confirmed approval.

100% CONCEPT DESIGN AND SCOPING

3 MONTHS

Task 1: Engagement

- Outline the strategy and objectives, create presentation materials for, and lead one (1) stakeholder meeting and one (1) public meeting. Summarize public response, and team reflections, in memo.

Task 2: Development of Design Vision and Site Program

- Ongoing Development of Design Vision and Site Program, reflecting input from public engagement and City Project Team.
- Development of project renderings and graphics, as well as design narrative.
- Assessment of any technical issues raised in surveying or site explorations.
- Biweekly Zoom meetings between MVVA team and City Project Team, as well as regular contact by phone as needed.

Task 3: Project Scope and Cost Estimates

- Initiate format and outline of Scoping and Implementation Plan (with schedule), in consultation with City Project Team.
- Development of project scoping document, with each team member contributing to appropriate areas.

Task 4: Project Deliverables

- Final Draft Concept Design Package – submitted after the first two months of 100% Concept Design & Scoping phase. For review and comment by City Project Team. To include illustrative site plan, supporting plans and sections of the Frame structure, comprehensive written narrative (organized per 16 Division CSI MasterFormat) of the proposed landscape and architectural improvements, three (3) final renderings depicting the proposed open space improvements and additions to the Frame structure, suitable for marketing and fundraising purposes.
- Final Cost Estimate – based on the materials in the Final Concept Design Package submission.
- Final Concept Design Document Package and Scoping and Implementation Plan, to include all Final Deliverables, Project Scope, Phasing and Implementation Recommendations, and Final Cost Estimate.



Public Engagement Event for Gipson Play Plaza
Raleigh, NC

COLLABORATION

Every MVVA park has been shaped by the interests and perspectives of its community and stakeholders. The MVVA team is experienced in creating a collaborative design process that feels open and inviting, using presentation methods that bring design and program ideas to life and spark constructive dialogue. In addition to interactive physical models, illustrative renderings are used to translate technical information and design concepts into images that are legible and inspiring.

We are eager to engage the Burlington community and local stakeholders in the design vision for the Frame. Of the two public meetings planned during Concept Design, we anticipate that the first would focus on the proposed program and preliminary design ideas, building on the Urban Design Workshop and informed by new analysis and research undertaken as a team. The second community meeting would follow a preliminary costing exercise and feature more refined discussions of the landscape vision for the Frame and the general arrangement of program elements. We recommend these events be held at prominent public locations in different parts of Burlington to ensure that diverse voices are heard and encourage an inclusive, citywide sense of ownership.

MVVA has a successful track record in shepherding design visions from initial community conversations through opening day and beyond. We've worked on numerous projects with limitations and opportunities like those of the Frame—including complex urban connectivity and infrastructural challenges, diverse community needs, and the presence of iconic waterways and historic structures. Experience shows us that it is essential to keep feasibility at the forefront of our approach to ensure our work is practical and effective, and this depends on a high level of coordination with our clients and multidisciplinary team members. Even as we think big and look for maximum impact, we would work with the City and the community to balance competing priorities regarding costs, environmental impact, resilience, and experiential value.



Public Meeting, RCWJ Centennial Park



Public Meeting, Port Lands Flood Protection



Public Meeting, Ralph Wilson Park Buffalo

3. Project Team



TEAM ORGANIZATION & ROLES

Our team for the Frame project brings together nationally recognized expertise in the design of waterfront parks as well as deep local knowledge and important Burlington relationships. The Frame landscape, which needs an innovative approach that is firmly rooted in a sense of place, requires both. As Landscape Architect and Team Leader, MVVA will be the primary collaborator with the City Project Team, leading public and stakeholder meetings, and taking responsibility for the shaping of project deliverables. In addition to MVVA, several members of our team (Utile, FFF, and SEG) participated in the Urban Design Workshop last fall, and we share a deep enthusiasm about the potential to create a memorable landscape experience that amplifies the value of the Frame to public life along the Burlington waterfront.

As overall design lead on this project, MVVA would lead development of the vision, coordinate the effort of our team members, develop and maintain the project schedule, and ensure that technical analysis, as well as client input and community engagement, is reflected in the final Concept Design. We would have primary responsibility for developing project graphics and crafting the design narrative. Working closely with the City Project Team, MVVA would also shape a Scoping and Implementation Plan that establishes a Framework for achieving the project goals and aligns implementation strategies with budget and schedule. Burlington-based SE Group (SEG) will be our team's local landscape architect. SEG will collaborate with MVVA on a range of issues, including public engagement approach, strategies to address the larger waterfront context, interface with local agencies, and alignment with local regulations.

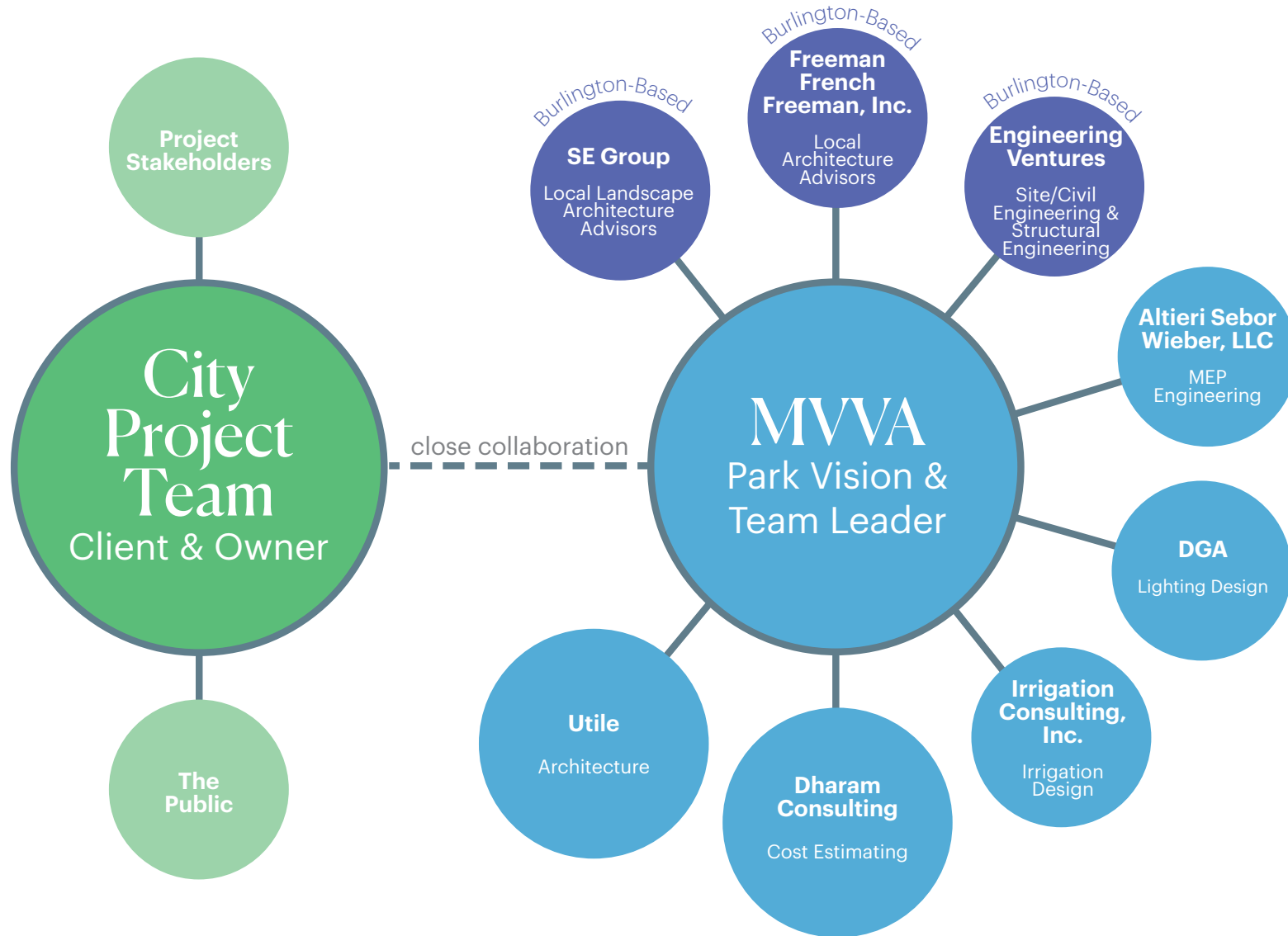
As lead architecture consultant, Utile will establish the architectural language for the project, responding to the Frame itself, as well as park program needs, including a pavilion, structured circulation elements, and elevated access. Utile has extensive

regional and national expertise and previous experience working with MVVA on the development of innovative park-supportive architecture. Burlington-based Freeman French Freeman, Architects (FFF) will support Utile's work, as well as advise on the development of the project vision. In addition to extensive local knowledge, and having participation in the Urban Design Workshop, FFF was the architect of the recent transformation of the Frame, giving them unique insights into the structure and the site.

Also bringing recent experience with the Frame structure and site is Burlington-based Engineering Ventures (EV), who will provide both structural and civil engineering services for the MVVA team. EV will contribute to conceptual level thinking about sitewide utilities and stormwater strategies, new site structures, and interface with the existing Frame structure. EV, as well as MVVA and other members of the team, will also support our team's cost estimator, Dharam Consulting, in the development of reliable costing numbers that reflect the design vision as well as a range of variable factors, including local market factors, escalation, and contingencies.

Domingo Gonzales Associates (DGA) is our lighting consultant. Domingo has worked with MVVA on numerous prior projects and brings tremendous expertise in the artful lighting of park landscapes as well as landmark structures. Our team's MEPF engineer is Altieri Sebor Wieber, and we would value their input on design elements related to the park pavilion and ice ribbon program (proposed as part of the Urban Design Workshop). Irrigation Consulting, Inc. would provide concept-level advice about park irrigation needs.

Additional team members, such as a soil engineer, and a geotechnical engineer, may be necessary as the project moves into later design phases. More detail about our subconsultants can be found on the following pages.



FIRM DESCRIPTIONS

MVVA

At Michael Van Valkenburgh Associates (MVVA), we work in pursuit of landscape beauty in its many forms: rational, lyrical, and sublime. We believe that the most meaningful landscapes emerge from straightforward, elegant problem-solving and that landscapes are most enjoyable when they are designed to work with the natural qualities of their sites. This ethos animates all our work, and it will be particularly important to bring to the Frame, where a profound yet familiar relationship with the local environment will be fundamental to its identity.

Founded in 1982, in Cambridge, MVVA is well known for our innovative designs of public waterfronts parks. Notable built examples include 8-acre Allegheny Riverfront Park, in Pittsburgh; 1.25-acre Pier C Park, in Hoboken; 85-acre Brooklyn Bridge Park; and 8.5-acre Chelsea Cove, in Manhattan. Our staff of 100 is split between offices in Brooklyn, Cambridge, Denver, and a handful of staff who work remotely. Over the course of our forty years in business, MVVA has built hundreds of landscapes across North America and had the pleasure of watching them grow and thrive over time. We have worked collaboratively with a number of different client groups, including municipal and

state governments, friends groups, and conservancies, and we have successfully navigated permitting and agency approvals in a number of sensitive settings, including protected shoreline environments.

Our practice is dedicated to the delivery of meaningful landscape experience that supports daily life, as well as fostering social connections and civic engagement. Regardless of project size or location, MVVA's built landscapes exemplify outstanding environmental performance, financial resourcefulness, and technical innovation.

Collaboration is key to the success of our projects. Whether it is a client meeting or a public meeting, MVVA comes prepared with ideas and expertise, ready to both lead and listen so we can identify the best ways to unite a range of goals related to program, performance, and budget. MVVA is experienced at design team leadership and making the best use of our consultants' time and talents. We support integrated planning, facilitated by coordinated project management and strong rapport among team members.

Our landscape-focused sensibility is geared to produce elegant, resourceful, and effective solutions. Wherever possible, we are always looking for ways to do more with less. Budget constraints and structural

challenges are often opportunities for innovation, and we believe that resource conservation is an important component of ecological sustainability. When we do advocate for an upfront expense, it is used to good effect, often in cases when investments in high-quality materials, engineered soils, healthy plants, or richly programmed community space can pay dividends (in reduced maintenance costs, for instance) down the line. Even our early phase concept thinking is informed by practical approaches for controlling costs and ensuring constructability.

MVVA's projects have received many awards for design excellence and innovation. We are exceptionally proud that Brooklyn Bridge Park was awarded the Rosa Barba International Landscape Architecture Prize in 2021. MVVA was selected as the Firm of the Year by the American Society of Landscape Architects in 2016.

UTILE

Utile is a multi-disciplinary planning, urban design, and architecture practice based in Boston. The firm's expertise includes zoning regulation analysis; an understanding of market-driven building types; site planning focused on the strategic layout of streets, blocks, and parcels; and the place-specific design of the larger public realm. Utile is adept at producing alternative development scenarios shaped by financial goals, regulatory context, environmental considerations, and a social agenda informed by community input. Rather than simply balance these factors, Utile seeks a compelling synthesis that can inspire elected officials, potential development partners, and the full range of stakeholders.

DHARAM CONSULTING

Dharam Consulting is a 60-person MBE/DBE certified Cost and Risk Consultancy formed in 2013. The business quickly expanded in 2014 and 2015 with new offices located in Philadelphia, Boston, and Washington DC. In 2021, Dharam opened a San Francisco office, shortly followed by offices in San Diego and Los Angeles. The company concentrates on doing what it does best: providing the highest quality pre-construction services including cost &

risk, schedule, logistics, and procurement advice to clients. Project benchmarking, data analytics and market reports support Dharam Consulting's services, which go beyond simply estimating.

SE GROUP

For over 60 years and through thousands of projects around the world, SE Group has been working with public- and private-sector clients to deliver extraordinary experiences and enduring value through strategy, permitting, planning and design. SE Group has won an extensive list of awards for excellence in planning, landscape architecture, design and recreation; among them the 2022 Vermont ASLA Chapter Award, 2021 Vermont ASLA Public Places Award, and the 2021 Vermont Recreation and Parks Association Award.

FREEMAN FRENCH FREEMAN

Based in Burlington since 1937, Freeman French Freeman (FFF) has completed many of Vermont's flagship projects by teaming with some of the world's leading design firms and specialty consultants. Top firms come to us because of our proven ability to manage complex projects, our strong relationships with local communities, and our unrivaled technical capacity. FFF has worked on the Burlington waterfront for

over 30 years and was the project lead for the Moran Frame project, completed in 2022.

ENGINEERING VENTURES

Engineering Ventures' commitment to innovation, combined with an enjoyable and focused working environment, leads the team to high-quality engineering solutions with pragmatic applications. Structural services include building code compliance, new building system structural design, historic building evaluation and restoration, load analysis and design, rigid and braced Frames for earthquake and wind, foundations, composite systems, and roofs. We are well-versed in heavy timber, structural steel, light gauge steel, reinforced concrete, and masonry. Our long-term working relationships with clients and regulators facilitate timely and predictable permitting processes.

DGA

Celebrating over 30 years of lighting design excellence, Domingo González Associates brings not only a dynamic creative vision to the enhancement of architecture through illumination, but also a philosophy that allows its clients a clear window into the design process. DGA's varied portfolio of transportation, education, historic

preservation, corporate, hospitality, healthcare, and infrastructure projects reflect our broad range of lighting expertise.

IRRIGATION CONSULTING, INC.

Irrigation Consulting, Inc. is a New England based firm providing water and energy conservation, independent irrigation design, and management services with offices located in the greater Boston and Charlotte areas as well as Georgia and Washington, D.C. The firm’s technical expertise provides clients with cost savings through superior engineering, design and forethought. Through detailed coordination with clients and professionals, involvement in planning and construction, and discussing the maintenance and projected use of irrigation systems, Irrigation Consulting can provide the best design solution tailored to a project.

ALTIERI SEBOR WIEBER, LLC.

Altieri has provided MEPF engineering design services to architects and building owners for over 60 years. Our reputation as an industry leader is based on the seamless integration of systems within architecturally challenging environments. A Small Business Enterprise (SBE) certified by the State of Connecticut, Altieri is noted for its multi-disciplinary expertise, “gold

standard” creative design, attention to detail, and outstanding team coordination. The firm was awarded the 2020 Architectural Engineering Institute (AEI) Most Innovative Project Under \$100M for Corning Museum of Glass, Contemporary Art + Design Wing and Amphitheater Hot Shop and the 2022 AEI Most Innovative Project Over \$100M for Glenstone Museum.



Bike Trails and Bridge
Shirley Chisholm State Park, Brooklyn, NY

TEAM CAPACITY

MVVA carefully tracks allocation of personnel. We can confidently affirm that our team can integrate the Frame into our current workload and meet the deadlines established as part of the project schedule. As a firm of 100 people, we have a deep pool of talent as well as a diverse range of expertise. In addition to internal project management, we utilize long-term and short-term projections to manage the flow of work across the firm so that we can ensure that every client's needs are met. At present, a recent shift in our workload has resulted from the transition of ongoing projects into construction administration. This will allow MVVA's highly effective staff to take on new projects like the Frame.

MVVA maintains oversight of the collaborative work of our team—including tracking staff hours, subconsultant progress, design budget expenditures, and percent completion. We are vigilant in managing the interconnected relationship between document development, project schedule, design ideas, and cost implications, focusing on client expectations regarding quality, durability, and sustainability. We have successfully led teams of up to 20 subconsultants through complex park processes, coordinating meetings, presentations, drawing sets, billing, and all other aspects of interdisciplinary collaboration.

Having constructed hundreds of projects of all sizes in our 40-year history, MVVA understands that budget management, quality control, cost management, successful permitting and approvals, and schedule management are responsibilities that need to be integrated into design thinking at every stage. Our quality control measures for the Frame project would start at the project kick-off and continue through design documentation phases, and then on through bidding, construction, and completion. During construction administration, MVVA is proactive in our approach to quality control and the timeliness of submittals and field reviews. If changes arise, we work quickly and collaboratively to find solutions.



MVVA Office



Ralph C. Wilson, Jr. Centennial Park Detroit Community Workshop



Staff Setting Up for a Meeting



Ice Wall Screens Park Storage & Infrastructure
Teardrop Park, New York, NY

MVVA



Matthew Urbanski
Partner in Charge

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Brooklyn Bridge Park, Brooklyn



Gathering Place For Tulsa, Tulsa



Harold Simmons Park, Dallas



Port Lands Flood Protection, Toronto



Dorothea Dix Park, Raleigh



Shirley Chisholm State Park, Brooklyn

As a partner at MVVA, Matthew has been a part of the leadership team for nearly all of the firm's major public parks. Matthew would provide guidance for the Moran Frame landscape and oversee the design process. His work benefits from his deep knowledge of planting and his belief that enjoyment and delight are essential programmatic elements for built landscapes. He was a lead designer of Brooklyn Bridge Park in Brooklyn, Chelsea Cove of Hudson River Park in New York, Alumnae Valley at Wellesley College, and Allegheny Riverfront Park in Pittsburgh. Matthew is an Adjunct Associate Professor of Landscape Architecture at Harvard's Graduate School of Design and is a co-owner of Red Hill Nursery in New Jersey.

Education

MLA, Harvard University
BS, Biology, Albright College
Delaware Valley College of Science and Agriculture, specializing in Horticulture

MVVA



Hillary Archer
Senior Associate
Project Manager

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Gipson Play Plaza, Raleigh



RCWJ Centennial Park, Detroit



Stevens Institute of Technology, Hoboken



U of Cincy Old Chem, Cincinnati



Dorothea Dix Park, Raleigh



Shirley Chisholm State Park, Brooklyn

Hillary would be the MVVA team's project manager, in charge of day-to-day communications with our subconsultants as well the City Project Team and local stakeholders. At MVVA, Hillary oversees design development and construction for several large-scale public park projects. As a PM, she handles project scheduling, budgets, subconsultant coordination, public engagement, communications, graphic production, design documentation, permitting, and construction. Her experience working with complex client and owner groups made up of federal, state, and city agencies has been instrumental in creating long-lasting client relationships and world class urban parks. She also produces videos, graphics, and renderings.

Education

MLA, Harvard University
BS, Natural Resources & Urban Ecology,
University of Vermont

MVVA BIOS



Nadia Chan
Senior Designer

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Colgate University, Hamilton



Bush Terminal Park, Brooklyn



Dorothea Dix Park, Raleigh



Perot Museum, Dallas



The Ravine, Hamilton



Building & Site Analysis, Raleigh

As the project designer, Nadia will produce design studies and graphic presentations pertaining to the aesthetic and technical aspects of the Frame project. She will be involved in project coordination on a daily basis. Nadia brings experience in landscape, architecture, and interior design to MVVA, with a particular interest in how design can elevate the stories of the people, habitats, and materials of a place. Her technical skills include producing visual representations, 3D modelling, and physical model-building.

Education

MLA, University of Toronto
BA, Environmental Design, Ontario College of Design University

UTILE

TIM LOVE, FAIA LEED AP PRINCIPAL-IN-CHARGE

Tim Love is the founding principal of Utile. Love's primary focus is the relationship between individual works of architecture and the larger city. His work is not driven by aesthetics, but by collaborative, deep-dive research focused on the technical, cultural, regulatory, and environmental issues of urban design problems. Love and his teams find opportunities for design by uncovering latent issues and fully leveraging and synthesizing them. Love works on diverse projects of varying scales, including regeneration strategies for aging industrial areas and master plans for new urban districts.

LOREN RAPPORT ASSOCIATE, URBAN DESIGNER AND ARCHITECT

Loren Rapport is an architect who designs at the intersection of architecture, infrastructure, and urbanism. She is particularly interested in patterns of mobility and their impact on urban form. Since joining Utile as an urban designer in 2021, she has leveraged her design sensibilities for projects at multiple scales: managing the zoning redesign for Newton's Village Centers, leading a graphic toolkit for the MBTA that proposes strategies for bus priority implementation, and creating architectural test-fits for sites with diverse urban conditions. Loren holds a Bachelor of Architecture from Cornell University, and a Master of Architecture in Urban Design with distinction from the Harvard University Graduate School of Design.

JONATHAN PALAZZOLO, AIA ASSOCIATE, ARCHITECT AND URBAN DESIGNER

Jonathan Palazzolo is a registered architect in New York and Massachusetts and brings extensive experience in the design of residential, institutional, and public realm projects at varying scales. Since joining Utile in 2021, Jonathan has led the design of a 280-unit mixed-use residential project in Somerville, a study of alternative form-based zoning approaches for the Alewife district in Cambridge, and urban design proposals for a large site on the south side of Burlington, VT, done for a consortium of property owners that include a developer, Champlain College, and the City of Burlington. Jonathan received his B.A. and B.Arch. from Rice University in Houston, Texas.

DHARAM CONSULTING

MATHEW CONRAD SENIOR CONSULTANT

A Senior Consultant of Dharam Consulting, Mat has over 13 years of experience in pre-construction estimating, project management, budgeting, scheduling and risk analysis in all sectors of construction including Higher Education, K-12 Schools, Performing Arts, Cultural, Commercial and Residential projects. He is adept at leading teams and working alongside owners, architects, construction managers, planners, and engineers to ensure that the owner's expectations have been met and are reflected in the program and budget. Mat is adept at working in time-sensitive environments, driving project efficiency while ensuring optimal cost-savings, and mitigating construction risks. He graduated with a B.Sc. in Building and Construction Technologies from the University of Massachusetts as well as an OSGA 30 Certification.

RAJNEESH SAYAL, LEED AP DIRECTOR

Raj has over 33 years' experience in the construction industry working in all the main sectors with an emphasis in Parks & Recreation, Education, Healthcare, Federal, Commercial, and Cultural projects. His expertise includes managing teams and projects from conception to completion including providing early phase cost modeling and cost planning as well as leading the cost management process through all phases of a construction project.

As a Lead Cost Estimator, Raj is a cost consultant who always performs at the highest level, achieving trusted advisor status with all his clients. He is an experienced practitioner of the early project alignment process which includes close examination of a client's expectations around program, quality, and cost. He is skilled in facilitating the process of client and design team collaboration, enabling stakeholders to make informed decisions regarding project budget and risk tolerance. Raj graduated with a B.S. in Civil Engineering from Thapar University in India.

JOSHUA FODERA SENIOR COST CONSULTANT

A Senior Consultant of Dharam Consulting, Joshua has over five years professional experience in pre-construction estimating and project management in all sectors of construction including Parks & Recreation, Residential, Cultural, Sporting Facilities, Education, and Aviation. Based in our New York office, Joshua has spent his time working with architects, engineers, and project teams in order to provide owners and developers seeking project clarity. Joshua graduated with a B.A. in Finance and Business Administration from Gordon College. He also has a Construction Management Certificate (WIP) from the Wentworth Institute of Technology.

SE GROUP

ADAM PORTZ, ASLA, PLA DIRECTOR OF DESIGN

A Registered Landscape Architect, Adam has over 20 years of experience and contributes to an array of projects across all of SE Group's markets. He balances a creative approach to master planning and site design with a solid technical foundation—delivering contemporary designs that are also context sensitive. He has served on the Executive Board of the Vermont Chapter of ASLA, where he has been recognized with numerous awards. Adam has also been a guest studio critic at the University of Vermont and Vermont Technical College. Adam has a Bachelor of Landscape Architecture from Virginia Polytechnic Institute and State University.

PATRICK OLSTAD, ASLA, PLA, LEED AP SENIOR LANDSCAPE ARCHITECT

Patrick is a licensed landscape architect with over 20 years of experience with a diverse, multi-scale projects. He has a strong artistic sensibility for materials and forms that are expressed through custom design details. Additionally, as a LEED accredited professional, Patrick finds opportunities to integrate ecological and low-impact design strategies into each project's aesthetic. Patrick has a Bachelor of Science in Landscape Architecture (Magna cum laude) from Cal Poly San Luis Obispo, and he spent a formative year abroad studying landscape architecture at the Agricultural University of Norway. Patrick's work has received recognition through multiple awards, and he has been a featured speaker for the Vermont Urban and Community Forestry Tree Stewards Conference.

ELENA JUODISIUS LANDSCAPE DESIGNER

As a landscape designer, Elena works on a wide range of projects, from site-responsive planting plans and construction details to helping communities visualize the potential of places. Passionate about connecting people to the natural world in balanced and meaningful ways, Elena brings her creative and detail-oriented problem solving to every project. Elena's background includes ecological inventory and design, working in design-build creating intimate spaces, and community engagement. Elena holds a Bachelor's degree in Environmental Science with a minor in Art from Allegheny College, and a Masters of Landscape Architecture from the State University of New York College of Environmental Science and Forestry.

FREEMAN FRENCH FREEMAN

Alex Halpern, AIA, NCARB
PRESIDENT & PRINCIPAL IN CHARGE

Alex is a talented architect who has helped design many of Vermont's most prominent public buildings, such as UVM's new STEM Complex, the Pomerleau Family YMCA, and Moran Frame. He has nearly 30 years' experience as an architect and was named President of the firm in 2022.

Jamie Wagner, AIA, NCARB, LEED AP, CPHC
PROJECT ARCHITECT

Jamie joined FFF in 2015 after working for firms in Chicago and Columbus, Ohio. She has helped design multiple Burlington projects including the Pomerleau Family YMCA, City Market South End, and Moran Frame.

NATHALIA ELLIS, AIA

Nathalia brings an architect's eye and a passion for sustainability to every project. She has over 10 years' experience as an architect and was part of the "New Moran" team from 2013-16. Originally from Brazil, Nathalia is a leading advocate for increased diversity, equity, and inclusion in the Vermont design community.

ENGINEERING VENTURES

RUSS MILLER-JOHNSON, P.E.
STRUCTURAL PROJECT ENGINEER/
PRINCIPAL

Russ has over 35 years of experience in sustainable structural engineering design, including lead engineer roles in management and execution of projects. With significant, experience in assessments, renovations, rehabilitations, additions, expansions, field inspection, and construction engineering, his involvements in sustainable projects include work on the Moran Frame Phase I and Burlington Waterfront Skate Park and Fountains.

PAUL M. BOISVERT, P.E., LEED AP
SENIOR ENGINEER, PRINCIPAL

Paul joined EV in 2007, bringing with him a wealth of experience in water quality engineering, site design and permitting. In 2012, Paul became a principal of the firm and senior engineer with supervisory responsibility for growing team members of engineering. Paul's wide range of experience includes site design, project management, contract administration, and permitting at the local, state and federal levels.

ROBERT A. NEELD
PRESIDENT

As the President of Engineering Ventures, Bob Neeld has been integral in making his company one of the most respected civil and structural engineering firms in Vermont. His passion for creative engineering solutions has carried through his 39 years of experience with consulting firms in the Northeast. Bob's work encompasses everything from well-known, award winning projects to small jobs for direct clients. He is well known for his ability to communicate complex technical issues in an easy-to-understand manner.

JULIA GINORIO, P.E.
CIVIL PROJECT ENGINEER

Julia joined EV in 2018 after working as a project engineer in the construction industry. Her prior experience includes writing technical submittals, preparing permit applications, and managing client relationships. She worked for the Vermont Department of Environmental Conservation to analyze rainfall and streamflow data with RStudio.

KEITH L. GINGUE
ENGINEERING DESIGNER

Keith Gingue, a Vermont Technical College graduate with a Bachelor of Science in Architectural Engineering, joined our structural department in 2006 as a Design Technician. He has prior experience designing custom Post & Beam home packages with architectural drawings. His recent projects include the Perry Hall Restoration and Addition at Champlain College in Burlington, Vermont, where he is working on two new dormitory buildings, and two new US Canada Border Stations in Swanton, Vermont and Beecher Falls, Vermont.

PETER GIBBS, P.E.
VICE PRESIDENT

Peter Gibbs has been practicing site and civil engineering for over 30 years in the states of New York and Vermont. He previously owned a firm based in Westport, NY, engaging in site development and municipal engineering projects, and was also an owner of a combined Architecture, Engineering, Surveying, and Materials Testing firm in New York.

DGA

DOMINGO GONZALEZ, LC, IES, IALD PRINCIPAL IN CHARGE

Domingo Gonzalez has been practicing lighting design for the last 43 years, serving as the lead designer on over 1,900 projects worldwide. His varied background in architecture, interior and product design has facilitated a broad range of built work on a diverse range of projects, encompassing transportation, civic/cultural, hospitality, healthcare, historic preservation, parks, streetscapes, education, corporate facilities and master planning. Domingo graduated from the City College of New York with a B.S. degree in Architecture. Since 1991, he has been on the faculty of the School of Architecture (adjunct) teaching lighting design, and has lectured on the topic at various institutions around the country.

ILVA DODAJ, LC, IES, IALD, LEED AP, **ASSOC. AIA** DIRECTOR

Ilva joined DGA in 2007, while working toward a Bachelor of Architecture degree at the City College of New York (CCNY). After transitioning to a full-time staff basis in June 2011, Ilva has rose to the position of Senior Designer in 2015 to Senior Associate in 2019. In 2018, Ilva received the prestigious 40 under 40 Professional Lighting Designers in North America award. In addition to numerous academic accolades and her DGA experience, Ilva has also worked as a Teaching Assistant for the Lighting & Acoustics class at the City College of New York and is now a co-instructor.

PHAT QUACH, LC, IES, LEED GREEN **ASSOCIATE** DIRECTOR

Phat joined DGA in 2011 after receiving a Bachelor of Science degree in Architecture from Temple University's School of Art. With 11 years at Domingo Gonzalez Associates, Phat's contributions have become integral to the firm's mission through his experience on a broad range of institutional and transportation projects. He brings a high standard of care and insight to all project types, small and large, from primary schools to large-scale bridge infrastructure. DGA benefits on many fronts from Phat's strong sense of detail, and he has become a sought-after mentor to younger staff, focusing on software training and internal process improvements.

IRRIGATION CONSULTING, INC.

BRIAN E. VINCHESI, LEED AP, CID, CIC, CLIA, FASIC
PRINCIPAL

Brian Vinchesi, a degreed agricultural (irrigation) engineer has served as the President of Irrigation Consulting, Inc. since 1988. He performs consulting services throughout the United States and overseas, and is responsible for field evaluation, construction administration and project management. He is a member of the GCBAAs Certification Board of Governors. He is a past president of the Irrigation Association and the American Society of Irrigation Consultants. He serves on many Irrigation Association committees including his role as Past Chair of the Smart Water Applications Technology initiative as well as the IA Standards and Codes Committee. He is a LEED-AP, the 2015 Irrigation Association Industry Achievement Award Winner and the 2009 EPA WaterSense Irrigation Partner of the Year.

JEFFREY R. BOWMAN, LEED AP, EIT, CID, CLIA
SENIOR PROJECT MANAGER

Jeff has served as a practicing independent irrigation consultant for over 25 years, having joined Irrigation Consulting in 1997. He is responsible for project management, engineering, design and construction administration and management for sports fields, public parks, green buildings, commercial development and golf course irrigation projects. He is a LEED® Accredited Professional by the United States Green Building Council, an EPA Water Sense Partner, an Irrigation Association (IA) Certified Irrigation Designer and a Certified Landscape Irrigation Auditor. Over the span of his career, Jeff has worked on over 2,000 irrigation projects, located domestically and abroad, where he has used his vast knowledge and experience to develop technically sound and environmentally responsible solutions to complex irrigation and water supply challenges.

JESSICA L. WATTERS, CID, CLIA, GCLP
IRRIGATION DESIGNER

Jessica has been an irrigation designer for over ten years, having joined Irrigation Consulting in 2012, specializing in landscape and turf irrigation. She is responsible for design of a diverse range of irrigation systems, water use analysis, and water supply coordination. Jessica has spent over twenty years in the landscape industry, bringing a thorough knowledge of horticulture and landscape maintenance to complement her irrigation designs. She has been a Georgia Certified Landscape Professional for the majority of her career and is a Certified Irrigation Designer and Certified Irrigation Auditor through the Irrigation Association.

ALTIERI SEBOR WIEBER LLC.

MICHAEL A. FRELIECH, P.E.
PRINCIPAL AND HEAD OF BOSTON
OFFICE

Michael Freliech's exceptional leadership drives Altieri's renown for successfully meeting design challenges with innovative integration and control of advanced MEP systems. Mike joined Altieri in 1997. As a Principal since 2007, he heads one of Altieri's five design studios and leads the firm's Boston office. The overall project direction Mike provides ensures that Altieri's designs prioritize the character and integrity of the architecture and maintain the client's vision as our paramount intention. Mike's significant portfolio is highlighted by complex, often multi-phase programs for historic buildings such as the 750,000 sf National Museum of American History. His emphasis on sustainable solutions supports client goals notably North Carolina Museum of Art, Cornell University College of Veterinary Medicine, and Cornell Law School's Academic Center and Commons, one of Cornell's first projects to achieve LEED Platinum.

PETER J. SABOURIN, P.E.
SENIOR ENGINEER

Peter Sabourin's considerable problem-solving skills are instrumental to the design of systems of education and cultural programs. Pete joined Altieri in 2015 and continues to prove himself a highly capable mechanical engineer and project manager. He led Altieri's design work for two significant museum projects: Asheville Art Museum and Mattatuck Museum, and multiple private residences requiring seamless integration of systems within the architecture. From his Boston-area location, Pete is a key project leader for local projects. He is a lead presenter of Altieri's webinar on Healthy Buildings.

MARIUSZ ZAKRZEWSKI, LEED AP
ASSOCIATE

Mariusz Zakrzewski has distinguished himself as a formidable electrical systems designer and project manager with particular expertise in thorough field investigation. Mariusz joined Altieri in 2002. He served as Prime Consultant on numerous large infrastructure projects at the American Museum of Natural History covering 1.6 million square feet. His role in the management of sub-consultants, including architects, structural engineers, landscape designers, and building department consultants proved key factors in the successful completion and commissioning of these projects. Mariusz' collaboration and team coordination skills have also been key factors in Altieri's success with significant higher education projects such as the recently completed Prior Performing Arts Center at College of the Holy Cross.

4. Relevant Projects

A photograph of a brick archway in a park. The archway is made of red brick and is surrounded by trees with yellow and green leaves. Several people are walking through the archway, and a person is riding a bicycle. In the foreground, there are white flowers and green foliage. The scene is bright and sunny.

Max Family Garden at St. Ann's Warehouse
Brooklyn Bridge Park, NY

BROOKLYN BRIDGE PARK

Brooklyn Bridge Park (BBP) is an 85-acre, 1.3-mile stretch of the East River waterfront that was completed in 2022 after more than 20 years of planning, design, and construction. Phased construction ensured that some parts of the park were open while others were in process, allowing BBP to build a diverse constituency over time. Community engagement for the 85-acre park included over 200 public meetings, resulting in provisions for a wide range of activities, from birding to basketball. As part of the master planning effort, led by MVVA, revenue streams were created to match the operational needs of the park.

The park's urban setting presented constraints that became generators of form: the roar of traffic from the Brooklyn-Queens Expressway to the east, and the sight of the two-tiered highway, was muted and screened by a system of 20- to 30-foot-tall earthen "sound berms" that also form a lush backdrop and wildlife corridor.

Visitors enter the park from a number of locations along its length and BBP's circulation network offers visitors multiple ways to experience the landscape, as well as enabling different forms of mobility through a diversity of landforms. The major park promenade, known as the Greenway, was designed for high-volume use and

feeds into intimate secondary paths that lead visitors through lushly planted uplands to different types of smaller park spaces and seating areas. Located on fill, the uplands are distinguished by their varied topography, lawns, plantings, and distinctive outdoor spaces, inviting relaxation that complements bustling activity in the rest of the park. Intersections of pathways with crests and valleys create dramatic sightlines and elevations that allow for moments of surprise within the landscape.

To reduce both dollar and resource cost, the park's construction includes the installation of found materials, including several historic pier structures, as major site furnishings. In salvaging materials from the past, the park carries forward elements of its industrial history for the enjoyment of its present visitors. MVVA coupled the programmatic needs of the park to the condition of the piers—structures with greater weight-bearing capacity transformed into park landscapes with heavy soil and topography, while other piers held lighter programming like sports fields.

Park planting contributes to both the ecological richness of the site and the environmental comfort of park visitors, creating shade for the summer and wind protected areas. MVVA designed the park

to withstand a 100-year flood event with resiliency measures that include installing rootballs above the inundation zone and durability requirements for infrastructure at lower elevations. Today, the East River is accessible via BBP's kayak launches and a wading beach that doubles as an outdoor classroom.

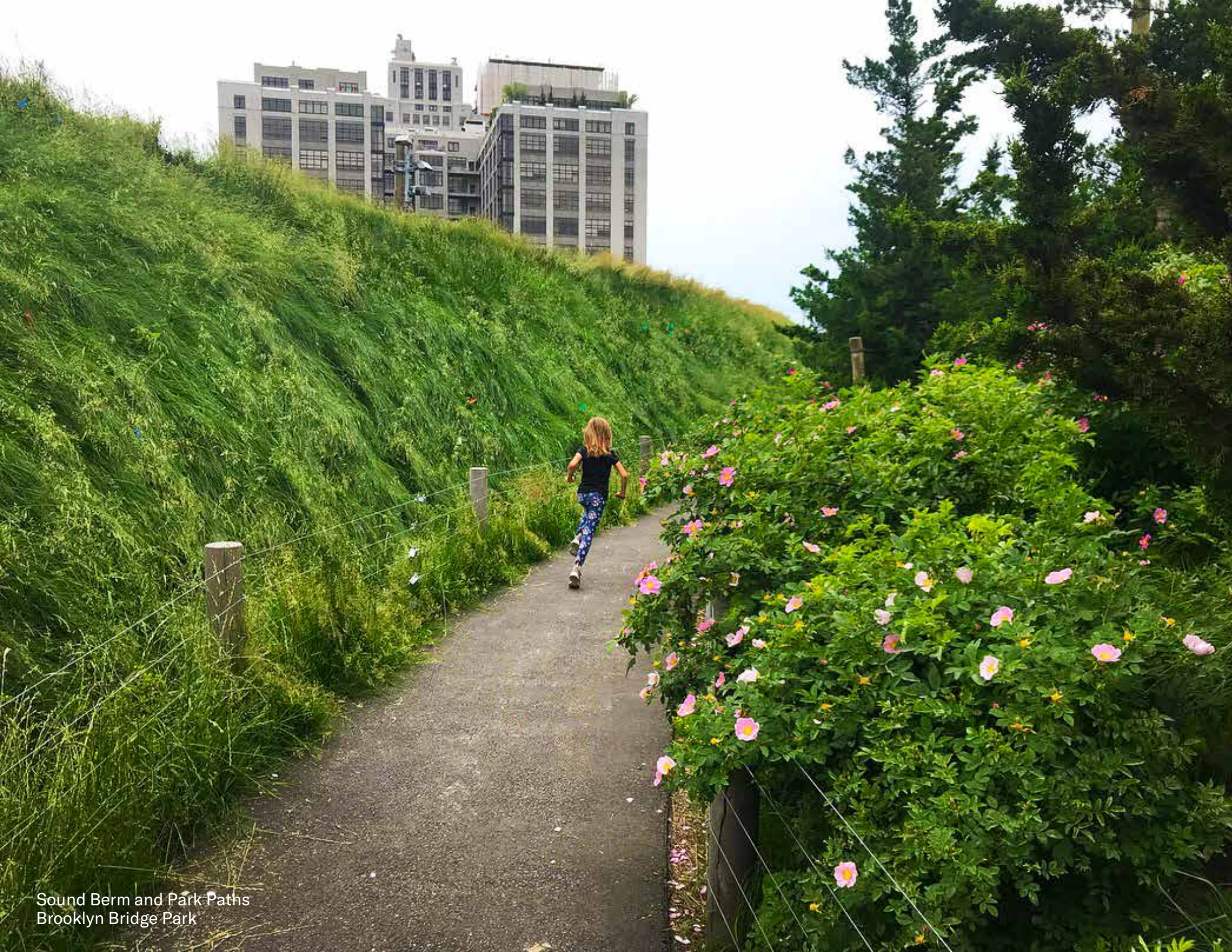
Brooklyn Bridge Park was planned with long-term maintenance and upkeep considered as part of the design process, along with provisions for funding the park in perpetuity. Today, BBP is enjoyed by millions of users, including visitors from across the world and neighbors down the street. It will continue to serve generations to come, thanks to the careful planning of its economic and environmental futures.

PROJECT DATA

Location:	Brooklyn, New York
Project Area:	85 acres
Project Duration:	1999—ongoing
Client:	Brooklyn Bridge Park Conservancy



Amphitheater
Brooklyn Bridge Park



Sound Berm and Park Paths
Brooklyn Bridge Park



Something For Everyone

With five million visitors annually, the park offers something for everybody. It has become a vital part of Brooklyn beloved by residents and tourists alike.



Repurposed Pier Structures
Brooklyn Bridge Park

MAGGIE DALEY PARK

Maggie Daley Park is a place to play for visitors of all ages, including the elderly, teenagers, and small kids. Responding to the desires of the existing neighborhood, as well as an influx of new residents, this downtown park features hot spots of activity within an enveloping park landscape. New neighborhood landmarks like the Play Garden and the Skating Ribbon are bustling year-round. Caught up in the fun of an urban oasis punctuated by play, robust planting, and spectacular views, the average park user probably doesn't even realize that the park is built over a 4,000-car parking garage and that it is the second largest green roof in Chicago.

During planning and design, MVVA helped lead public meetings in several locations in the vicinity of the park, and in more distant neighborhoods. Small focus sessions were held with various stakeholder groups, and a park programming survey was launched, linked to the project website. Feedback from the community revealed a desire for neighborhood-based programming, better connections to the surrounding context, and for different types of landscape experiences, including both active and peaceful places.

The park features a wide variety of integrated program elements (Climbing

Wall, Café, Field House, Skating Ribbon, Play Garden) designed to appeal to multiple age groups, including frequently underserved groups such as older adults, and teens. New hills and valleys throughout the park help obscure the presence of garage-related mechanical vents while also providing experiential variety. The park's rolling topography and curvilinear pathway layout also creates areas that provide shade in summer, protection from wind, and slopes designed for optimal solar orientation in shoulder seasons. The coordination of landforms and vegetation promotes a sense of safety as well as shelter from adverse environmental conditions. The resculpting of the terrain also enabled new accessible entries around the park perimeter, each connecting to major park pathways.

PROJECT DATA

Location:	Chicago, IL
Project Area:	27 acres
Year Complete:	2013
Client:	Chicago Parks District



Year-Round Use of Skating Ribbon



Multiple Programs Include a Climbing Wall



Multi-Functional, Iconic Park Elements



Upper Randolph Street

SOUTH CONGRESS DRIVE

Millennium Park

Fieldhouse

Skating Rink

Climbing Park

GRASSY OPEN SPACES

Lake View Hill

Tennis Courts

Public Green

Play Garden

The Green at Grant Park

EAST MONROE STREET

SOUTH LASALLE DRIVE

Chicago Yacht Club

SCALE
0 30' 60'
CHICAGO PARK DISTRICT
MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
KAPRI SOLE

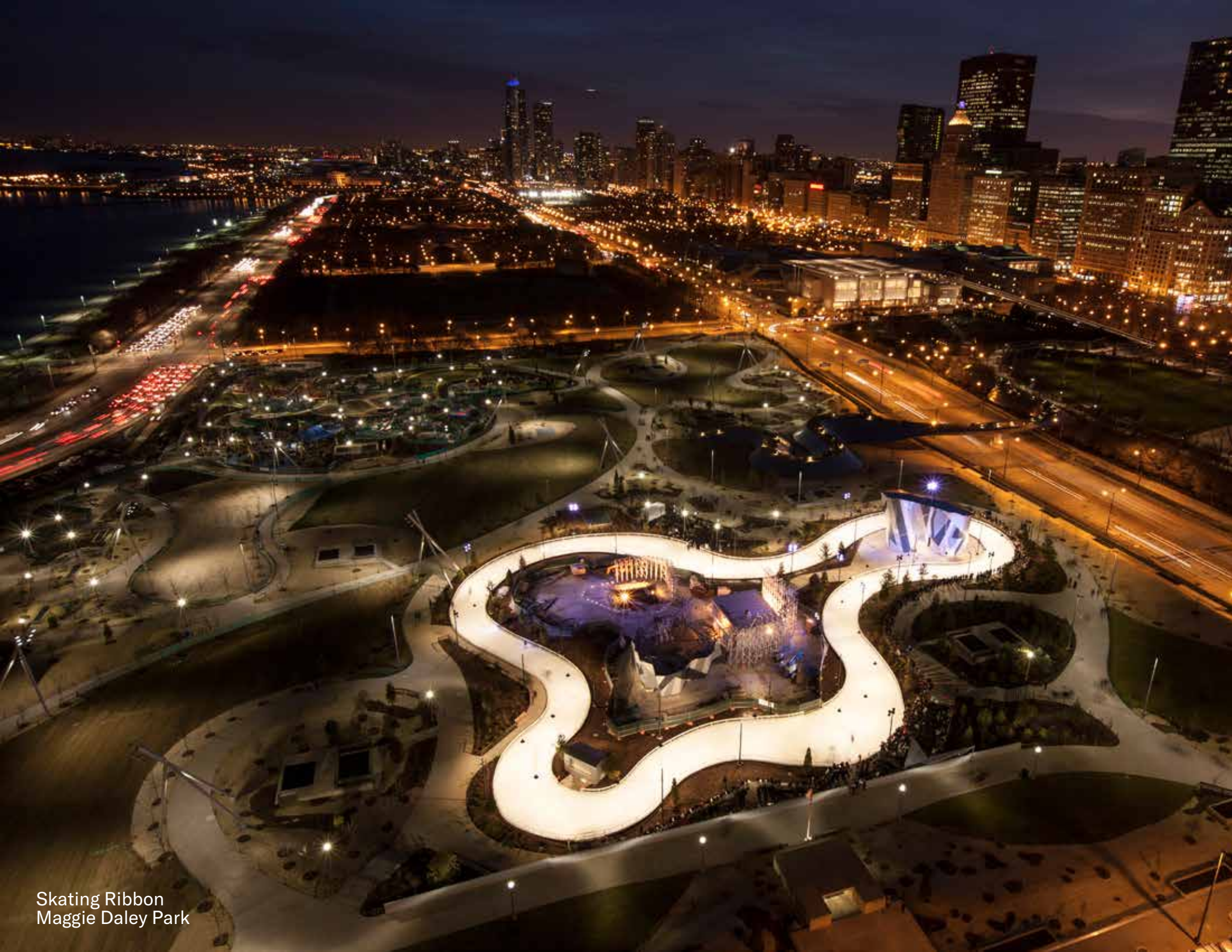
Site Plan
Maggie Daley Park



Skating Ribbon Rendering for Donors
Maggie Daley Park



Skating Ribbon Rendering for Donors
Maggie Daley Park



Skating Ribbon
Maggie Daley Park

GATHERING PLACE FOR TULSA

The Gathering Place is a 65-acre park situated along the Arkansas River, just two miles from downtown Tulsa. Funded by the George Kaiser Family Foundation and developed in close collaboration with city officials and the local community, the new park transforms a flat, windblown, and sunbaked site into a democratic space that brings together the people of Tulsa. The city's hot summers and riverfront location inspired the conception of water as a defining element of the park.

Topography subdivides the site into a series of smaller spaces, each supporting a variety of activities with the goal that every visit is an opportunity to enjoy something new. Park program includes play for all ages, water features, gardens and naturalized planting areas, boating, cafés and restrooms, picnic areas, and events areas. Local stone, used generously throughout the park, helps connect the Gathering Place to the region's natural geology while panoramic views out to the Arkansas River create a sense of boundlessness. Multimodal access is facilitated through strategic vehicular entry points and parking lots as well as bike trails that thread through the park. New pedestrian land bridges help unite the park's uplands and riverfront areas into a cohesive whole.

Play spaces within the park are bold and richly programmed, focusing on imaginative and tactile play with a robust array of physical challenges, set within a woodland landscape, utilizing many large existing oaks. The design also includes a skatepark and basketball courts that give teenagers and young adults opportunities to enjoy the riverfront in a welcoming public space. The park also supports education, with a range of nature and arts-based programs that are integrated with public school curricula. A mix of different program uses encourages family recreation as well as lifelong learning and social engagement. In addition, evening use of the Gathering Place feels safe and comfortable, with lighting throughout and an active calendar of movies and other events drawing people to the park.

PROJECT DATA

Location:	Tulsa, OK
Project Area:	66 acres
Year Complete:	2018
Client:	George Kaiser Family Foundation



Fiesta de Tulsa at the Event Lawn



Pedestrian Tunnels and Bridges

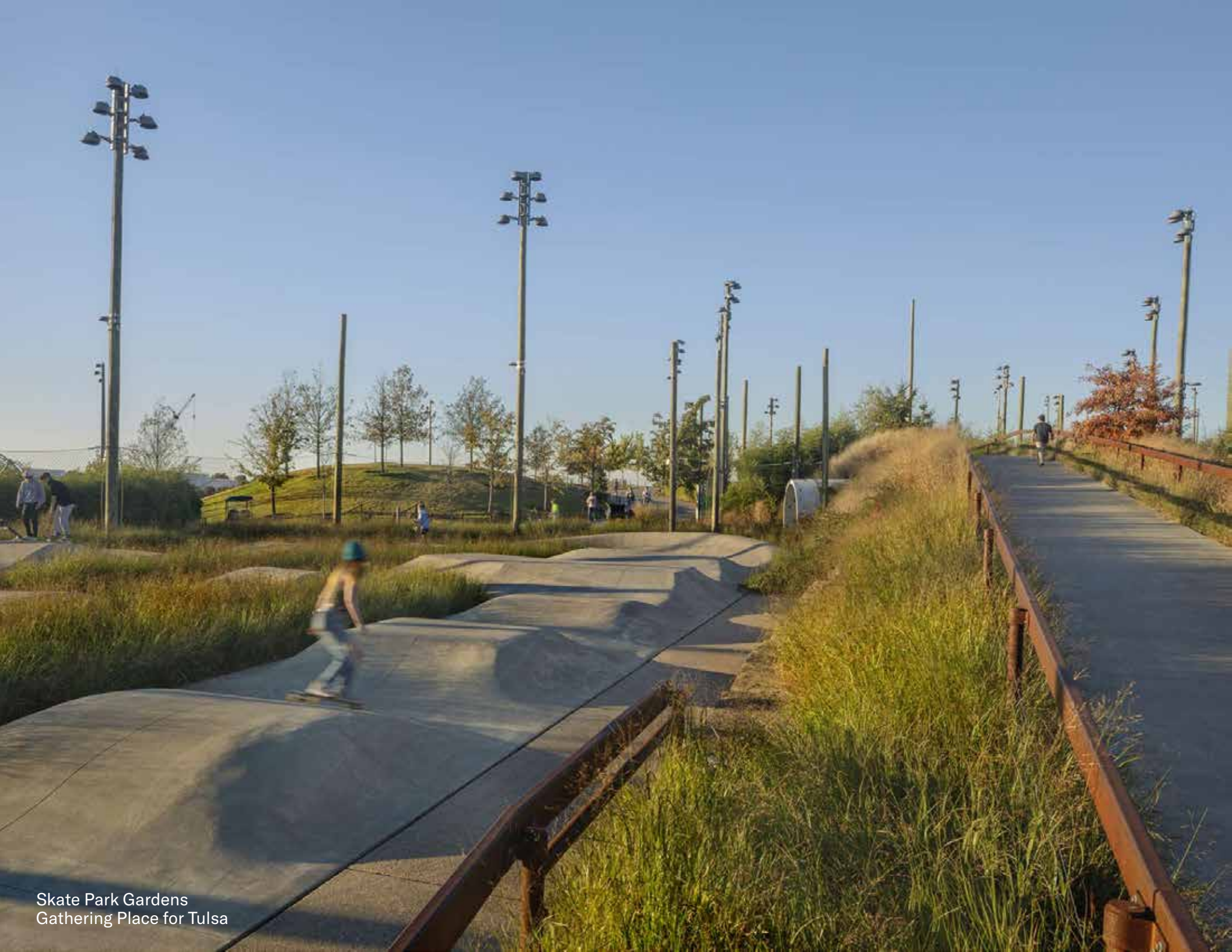


Integrating New Architecture & Existing Tress





Skate Park Garden Rendering
Gathering Place for Tulsa



Skate Park Gardens
Gathering Place for Tulsa



Vegetative Screening & Play
Gathering Place for Tulsa

CORKTOWN COMMON

Corktown Common combines essential flood protection for Toronto’s fast-growing West Don Lands with a beloved neighborhood park. Industrialized since the mid-nineteenth century and a brownfield for decades, the site was previously a gateway for floodwaters that threatened more than 500 acres of the city. A 13-foot-high clay landform alongside the Don River reshapes the floodplain to propel water south toward Lake Ontario, and Corktown Common sits on top of and beside this infrastructural element. On the Common’s east side, a prairie-like landscape is designed to flood, giving the river a soft, resilient edge. The west side is elevated and designed to remain dry, except for a constructed marsh that collects rainwater for park irrigation, conserving approximately 145,000 gallons per day in peak season.

The park contains areas bursting with activity as well as intimate paths meandering through native vegetation. Multi-use bridges snaking through the Common allow exploration for pedestrians and bikers alike, guiding users down to the grassy edges of a constructed marsh and allowing visual engagement with the diverse ecosystem. Paths wind through an aspen grove, while densely grouped perennials, including self-seeding

wildflowers drawn mainly from a native plant palette, attract butterflies and other pollinators in the spring and summer. Amid the explosive development of formerly industrial Corktown, the Common is a civic centerpiece that provides much-needed respite and open space as it shields the neighborhood from destructive floods. Amenities include a park pavilion complete with a fireplace for winter use, community picnic tables, a recreational field, and play areas featuring embankment slides, swings, and interactive sand and water elements. The landscape’s smooth integration with the built pavilion in proximity to the active play sites ensures year-round comfort and accessibility. The constructed marsh has become a habitat for turtles and marine life and serves as a bio-filtration system for the site’s runoff, which is then reserved for irrigation.

PROJECT DATA

Location:	Toronto, ON
Project Area:	16 acres
Year Complete:	2014
Client:	Waterfront Toronto



Park Pavilion & Native Vegetation



Park Pavilion Winter Use



Bike-Ped Bridges



Neighborhood Park Paths
Corktown Common

MARTIN RICHARD PARK

Situated on the edge of Boston's Fort Point Channel, Martin's Park commemorates 8-year-old Martin Richard, who died tragically in the 2013 Boston Marathon bombing. The park is a celebration of Martin's life, departing from traditional memorial sites in its expression of the exuberant and adventurous spirit of a young boy. Leading an intensely collaborative process, MVVA transformed a one-acre lawn adjacent to the Boston Children's Museum into a playground that offers larger-than-life experiences for children of all abilities.

Martin's parents charged MVVA with creating a playground that was inclusive but challenging, accessible but rugged, and above all, fun. Martin's Park celebrates inclusion with opportunities for intrepid, exploratory, and natural play. Winding, accessible paths lined with sensory play equipment lift kids (and sometimes, the adults watching over them) to a bridge rising 12 feet above the adjacent Harborwalk, where they can enjoy expansive views across the Channel. A 40-foot-long wooden boat perched atop a cresting wave with a rubberized play surface serves as the centerpiece of the imaginative play area in the north section of the park. Two slides anchoring the south play area cascade down a scramble

of granite slabs reclaimed from the 2016 renovation of the Boston Public Library in Copley Square. Five white-flowering cherry trees encircle a type of climbing apparatus that Martin loved at other parks: a colorful web of ropes inside a sphere of thick steel pipes. The trees, symbolizing the five lives lost in the 2013 attack, bloom at the time of Marathon Monday each spring. Over a thousand more trees and shrubs are planted in the lush landscape that surrounds the playground.

Martin's Park offers a meaningful space for neighborhood play as well as an engaging opening to the Channel. Together with the adjacent Boston Children's Museum entry plaza, another MVVA landscape, the park responds to its surrounding amenities as an integral attraction along the Smith Family Waterfront that stretches between the Congress Street and Seaport Boulevard Bridges.

PROJECT DATA

Location:	Boston, MA
Project Area:	1 acre
Year Complete:	2019
Client:	Boston Parks and Recreation Dept.



Boston Harborwalk Connections



Pedestrian Bridges Connect Park Levels



Landscapes Interwoven with Playgrounds



Ample Seating and Shade
Martin Richard Park

UTILE



BUFFALO BAYOU EAST SECTOR
HOUSTON, TX

Utile was subcontracted by MVVA to design conceptual plans for select sites not intended for future use as parks. At Lockwood South, Utile interwove a plan composed of both single- and multifamily building types with public green spaces of various scales, including a public promenade providing direct access to waterfront parkland for visitors to create a regional destination. The principles of this plan were developed into design guidelines that will shape the development of other riverfront sites in the sector.



DOROTHEA DIX MASTER PLAN
RALEIGH, NC

Utile provided architectural, adaptive reuse, and urban design services to MVVA on this large-scale transformation of a historic hospital complex into a 21st-century urban park in central Raleigh, North Carolina. The design team worked closely with preservation expert (JKOA) and the Master Plan Advisory Committee to study and prioritize buildings best fit for preservation, rehabilitation, restoration, and demolition. In addition to examining Historic Structure Reports and archival building drawings, Utile tested conceptual program fits for a range of existing buildings. The final report highlights a range of viable reuse programs for each building type that would preserve historic character, create opportunistic adjacencies, and complement the park's future.



I-95 ON-CALL PLANNING
PROVIDENCE, RI

Utile serves as the on-call planning consultant for the I-195 Redevelopment District Commission in Providence, Rhode Island, which is responsible for the development of 21 parcels that were liberated by the relocation of the Interstate south of the Jewelry District in 2013. The most recent phase of the District's revitalization is the development of a pop-up seafood shack and public gathering space adjacent to the site where Wexford Science and Technology recently broke ground on a new 190,000 square foot Innovation Center, intended to engage residents and energize the surrounding area.

DHARAM CONSULTING



US CENTRAL DELAWARE RIVERFRONT PHILADELPHIA, PA

A Master Plan Concept Estimate was created for the Traverse City Downtown Development Authority for a re-design of the riverfront and pedestrian plaza along the Boardman/Ottaway River. The plan includes deep sheet piling for new concrete steps leading to the river, two cross-river pedestrian bridges, conversion of the Front Street alley to a pedestrian plaza, renovation of an existing car bridge, renovation of existing parking lot, and a feature bridge that remains floating in the water. The project was broken out into four phases with nine different areas and cost associated with each. Total area is 240,849 SF with a budget of \$63.5M.



TOTTENVILLE SHORELINE PROTECTION PROJECT STATEN ISLAND, NY

This project is a storm recovery and resilience initiative that responds to years of coastal storm erosion. The design will incorporate wetland enhancements, eco-revetments, hardened dune systems, shoreline plantings, maritime forest restoration, and earthen berms. This system would serve as a naturalized barrier to the looming threat of storm damage due to wave action while enhancing ecosystems. The project spanned from March to May 2022 with a total budget of \$32.5M.



STATEN ISLAND EAST SHORELINE PARKS MASTER PLAN STATEN ISLAND, NY

This project includes green infrastructure improvements to the East Shoreline Parks. The main park areas included in this project are Oakwood Beach, Cedar Grove Beach, Midland Avenue, Seaview Avenue, and Sand Lane. The scope of work includes neighborhood connections, a shoreline bike path, berms and earthen levees. Further flood mitigation includes parking lot swales, roadway swales, bio-swales, detention tanks, porous paving, and improved drainage. Wetlands restoration, dune scaping (wet dunes/back dunes with native plant materials), and meadow restoration are also included. The total budget is \$415,000.

SE GROUP



MORAN FRAME AT WATERWORKS PARK
BURLINGTON, VT

Moran Plant, built in 1953, is a historical coal-fired power plant known for its architecture and innovation. For decades, the City has invested time and effort into visions to reintegrate the former Moran Plant with the surrounding landscape. On August 19th, 2020, Mayor Miro Weinberger announced that the City of Burlington had broken ground to transform the Moran Municipal Generating Station into the Moran Frame. SE Group has retained by Freeman French Freeman to deliver the site design for the Moran Frame—and has been involved with the Moran project for over 10 years. SE Group would celebrate the opportunity to play a part in the ever-evolving Frame's next chapter.



WATERFRONT ACCESS NORTH
BURLINGTON, VT

SE Group worked with the City of Burlington to create a vision for the vacant Moran Power Generating facility, turning it into a vibrant, mixed-use activity center. Amenities for the project included a new bike path and pedestrian promenade as well as a skate park and integrated Community Sailing Center. In consideration of the project's environmentally sensitive location and past industrial use, extra care was given to integrate environmental remediation and innovate stormwater design. This project includes a series of gravel wetlands to help significantly reduce nutrient levels in the stormwater that enters Lake Champlain.



COLLEGE STREET - WATERFRONT PARK
BURLINGTON, VT

The College Street/Waterfront Access project was the first phase of a multi-project effort to improve access to and on Burlington's waterfront. The purpose of this project was to identify transportation investments that will improve traffic circulation and access around the waterfront for all modes with particular emphasis on enhancing the safety and clarity of pedestrian travel.

FREEMAN FRENCH FREEMAN



MORAN FRAME AT WATERWORKS PARK BURLINGTON, VT

The Frame features the restored steel superstructure of the former Moran Municipal Generating Station, a coal-fired utility plant first commissioned in 1952. The plant closed in 1986, and for over 30 years multiple groups proposed alternative uses for the building and site. A breakthrough came in 2018, when the City of Burlington, community leaders, and FFF devised a plan to transform the building into a multipurpose public space. Phase One of the project deconstructed all of the building except for its steel Frame, removed toxic materials from the structure and site, and created new paths at ground level to lead visitors through the steel and concrete elements that remain. The result is a striking work of art and public gathering place designed to evolve over time.



POMERLEAU FAMILY Y BURLINGTON, VT

After years of planning and fundraising, the Greater Burlington YMCA opened its new facility at 266 College Street on January 1, 2020. The fully accessible facility includes two pools, a gym, running track, three fitness studios, a large workout space bathed in natural light, and a large drop-in childcare/play space. Innovative MEP systems reduce energy use in a building with high energy and ventilation requirements. A cutting-edge “smart” storm water management system helps keep Lake Champlain clean. “Simply put, the Y’s new home allows us to do better, to expand upon who we serve, and help build a stronger community to address the challenges we face,” says Kyle Dodson, Executive Director.



CITY MARKET SOUTH END STORE BURLINGTON, VT

City Market, Onion River Co-op wanted a second store that reflected its commitment to the local community, economy, and environment. The solution was a building that combines eclectic urban architecture with cutting-edge green technology on a reclaimed industrial site. Located in the South End Arts District, art is focal point of the new store. The result is unique architectural expression of the Co-op’s role as a national leader in the farm-to-table movement. The formerly abandoned site now invites the community in with cooking classes in a generous teaching kitchen, a meeting room for public use, an indoor/outdoor café, and a children’s discovery garden for unstructured play.

ENGINEERING VENTURES CIVIL



MORAN PLANT FRAME ADAPTATION BURLINGTON, VT

EV's team has invested in the Frame over decades, taking part in multiple plans and revisions from both a civil and structural capacity. Flood-level analysis was also performed for coastal and wind-driven rain exposure. EV also conducted design of overall site and utilities, including a gravel wetland stormwater treatment system.



WATERFRONT ACCESS NORTH BURLINGTON, VT

Work on the Burlington waterfront north of Penney Lane included the realignment of the bike path, the extension of Lake Street, a skatepark, a new building and boatyard for the Community Sailing Center, and the Moran Frame project nearing completion. To meet the City's goals and state stormwater requirements, the project also included gravel wetlands and bioswales for stormwater treatment. Given the industrial history of the waterfront and the fire of 1894, the site had significant challenges. These included soils contaminated with PAH and arsenic, unconsolidated fill, water lines in unmarked locations, and abandoned infrastructure. All grading and underground work needed to be carefully coordinated with the environmental engineers managing compliance with the Corrective Action Plan (CAP).



COMMUNITY SAILING CENTER BURLINGTON, VT

EV's work included stormwater treatment by bioswales, a boat storage yard with a stabilized/vegetated surface, and utility design. More recently, EV assisted the Sailing Center with site plans and permit assistance for a new gangway leading to a floating dock system. EV's staff aided the installation of a new gangway system at the Lake Champlain Sailing Center facility (LCSC). This was installed to meet accessibility requirements for the LCSC. In addition, EV's plan showed the relocation of the Sailing Center floating dock and boat launch, previously located at the Moran Building, to the new LCSC gangway system. This project required thorough coordination with the Army Corps of Engineers, the State of Vermont Agency of Natural Resources, and the City of Burlington for timely permit acquisition.

ENGINEERING VENTURES STRUCTURAL



MORAN PLANT FRAME ADAPTATION BURLINGTON, VT

The EV team has taken part in the Frame's evolution over decades, initiating multiple plans and revisions from both a Civil and Structural capacity. To preserve the iconic profile, the EV structural team strategically stripped and repurposed the portions of the Frame to create this super-structure. Prior to the renovation, EV provided an analysis of the structural integrity of the base level of the building.



ALBURGH DUNES STATE PARK AND TIMBER BATH HOUSE ALBURGH, VT

Alburgh Dunes park is located on the shore of Lake Champlain in a unique sand dune environment, sandwiched between the lake and adjacent wetlands. The park includes a long, sandy beach and sand dunes. A combination of poorly controlled use and tree cutting had degraded the facilities and beach, along with a black spruce bog located on the leeward side of the dunes. The redesigned facility included formalized parking areas, changing facilities, and a playground. All were built on sandy soils overlying deep peat and clay deposits or ledge. This required the use of shallow, frost-protected foundations for the new buildings.



DRUMLIN FARM AUDOBON CENTER LINCOLN, MA

The Drumlin Farm Audubon Center is an Environmental Learning establishment. The owners pursued this project to create an environment that reflected their values. EV provided structural engineering services for the construction of the new 3,600-sf single-story office and education center at the Massachusetts Audubon wildlife sanctuary. The rooftop was designed to support solar panels across the entire surface; as a result, the building produces more renewable energy than it consumes. This net-zero energy facility serves as a forward-thinking educational model of energy-saving features and green-building sustainability.



BROOKLYN BRIDGE PARK BROOKLYN, NY

Mindful of the residential properties that overlook the park, the lighting in the iconic waterfront Park was designed to preserve nighttime views of Manhattan from the Promenade and beyond. Brooklyn Bridge Park is the first park in the US (if not the world) to utilize metal halide dimming on a park-wide basis. (Original metal halide fixtures have been converted to LED.) Multiple lighting states enhance nighttime activity; lend a sense of moonlight over the Park's vast lawns, transitioning to minimum light for after-hours security, to help the Park remain a "good neighbor" to Brooklyn Heights.



WEST RIVERFRONT PARK & AMPHITHEATRE NASHVILLE, TN

Nashville's new Riverfront Park offers visitors greenways, dog runs, play areas, ornamental gardens and a distinctive amphitheatre shaped like a guitar amplifier. Throughout the park and stage area, lighting was finely-tuned to integrate with landscape elements and accent local materials. Formerly a brownfield, now a LEED Gold achievement, the 11-acre park's one mile of paths are lit with full-cutoff precise distribution luminaires, whereas lawns are lit just enough to be welcoming. Design (inclusive of the creation of custom fixtures) and construction was completed within a two-year window.



HUDSON RIVER PARK MASTER PLAN & SEGMENT 4 NEW YORK, NY

Commencing in 1992, DGA collaborated with the original joint venture design team to develop a comprehensive master plan to guide the ultimate design of Hudson River Park, a 550-acre, 4-5 mile-long waterfront park along Manhattan's West Side. 2003 saw the completion of the 6-year, \$46 million effort to develop Segment 4 of the new Hudson River Park. DGA's scope of work included the development of lighting designs and contract documents for esplanade, park upland, piers, bikeway, shade structures, and community gardens. Pivotal to the park's longterm success was the design, and detailing of a new family of light pole standards for the park.

IRRIGATION CONSULTING, INC.



CLARK ART CAMPUS EXTENSION WILLIAMSTOWN, MA

For the Clark Art Institute in Williamstown, MA, Irrigation Consulting, Inc. (ICI) teamed up with the museum to develop a comprehensive Site Water Use Master Plan for all potential non-potable water sources. As with many of ICI's projects, the firm prepared LEED narratives and calculations to obtain maximum water efficiency credit point awards while designing an irrigation system to maintain natural beauty and environmental sustainability. Construction coordination services were also provided with RFI, submittal review, and site visits.



NATIONAL MALL WASHINGTON, DC

In partnership with the City of D.C., ICI performed irrigation consulting and design services to sustain the landscape and site at the National Mall. Services included sizing the irrigation cistern while factoring in climate analysis, irrigation demand, drainage area, and economics. ICI designed and specified the underground pump station, which delivered constant pressure at a flow rate of 1,400 GPM, in addition to their design of the irrigation sprinkler system for utility coordination and maximum uniformity.



SHOEMAKER GREEN PHILADELPHIA, PA

For the University of Pennsylvania, ICI designed and specified an underground cistern, submersible pump, backup domestic water supply, and controls to deliver irrigation water to the landscape. The irrigation controller was further designed with Internet-based communications for remote monitoring on system performance and water consumption. ICI ultimately provided the client with a cost-benefit analysis and secured a Sustainable Sites Initiative credit award.

ALTIERI SEBOR WIEBER, LLC.



BROOKLYN BOTANIC GARDENS BROOKLYN, NY

Founded in 1910, Brooklyn Botanic Garden is home to 10,000 plant species and several historic structures. The ambitious renovation project, led by MVVA, established a new Children's Discovery Garden at the south end of the 52-acre landscape and included a series of buildings designed by ARO. To reactivate the South Entrance and support new gardens, a new gateway building with admissions and comfort station facilities was constructed. Altieri designed all MEPF systems for building structures, including refrigerant heating and cooling system, lighting along the garden paths and at the historic entry arch, domestic water routed underground for connection to irrigation systems and drinking fountains, and a sophisticated control system to monitor pond levels in anticipation of storm events.



BROOKLYN BRIDGE PARK BROOKLYN, NY

Brooklyn Bridge Park is a sustainable waterfront park stretching 1.3 miles along Brooklyn's East River shoreline. Altieri has partnered with Architecture Research Office's (ARO) Environmental Education Center on multiple phases since 2012. Altieri helped transform an abandoned vacant masonry building into the new Center that includes exhibition space, public restrooms, park facilities maintenance shop, and staff space; additionally, Altieri supported the design of a Maintenance & Operations (M&O) building and a new boathouse that includes a kayak storage facility and multipurpose space. Other projects include the DEP Building, Pier 6 and Pavilion, Marina, Pier 5 Uplands, and Pier 3.



DOMINO PARK BROOKLYN, NY

Domino Park is a waterfront green space that hugs the edge of urban development on the East River. Opened in June 2018, the park is on the site of one of New York City's architectural icons, the former Domino Sugar Refinery built in 1856. Elements of the park retain the refinery story and include enormous salvaged tanks and several original cranes and columns. The length of the park was a challenge for the electrical design, making the electric load far from the power sources and telecom utility spaces. Electrical and telecom devices are integrated with landscape architectural features to hide the infrastructure. Plumbing design includes providing the water supply for maintenance, drinking fountains, and irrigation.

REFERENCES

MVVA

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5. Fee Proposal



FEES & EXPENSES

MVVA Team Fees & Expenses		05/23/2022 Revised Proposal	
Consultant	Discipline	NTE Fees	NTE Expenses
MVVA	<i>Prime, Landscape Architecture</i>	\$120,000.00	\$14,000.00
Utile	<i>Architecture</i>	\$50,000.00	\$5,000.00
Dharam Consulting	<i>Cost Estimating</i>	\$25,000.00	N/A
Freeman French and Freeman	<i>Architecture Advisors</i>	\$10,000.00	N/A
SE Group	<i>Landscape Architecture Advisors</i>	\$10,000.00	N/A
Engineering Ventures	<i>Structural Engineering</i>	\$5,000.00	N/A
Engineering Ventures	<i>Site/Civil Engineering</i>	\$5,000.00	N/A
Altieri Sebor Wieber	<i>MEP Engineering</i>	\$5,000.00	N/A
Irrigation Consulting, Inc.	<i>Irrigation Design</i>	\$500.00	N/A
DGA	<i>Site Lighting Design</i>	\$5,000.00	N/A
Total:		\$235,500	\$19,000
Total MVVA Team Fees & Expenses		\$254,500	
MVVA Team Fees & Expenses By Task			
Task #	Description	NTE Fees	NTE Expenses
Task 1	<i>Engagement</i>	\$50,500.00	\$17,000.00
Task 2	<i>Development of Design Vision & Site Program</i>	\$80,000.00	N/A
Task 3	<i>Project Scope & Cost Estimates</i>	\$80,000.00	N/A
Task 4	<i>Project Deliverables</i>	\$25,000.00	\$2,000.00
Additional Optional Allowances			
Consultant	Deliverable	NTE Expenses	
Owner-Provided Consultant	<i>Survey (Engineering Ventures)</i>	\$6,000.00	
Owner-Provided Consultant	<i>Geotechnical Engineering Borings/Preliminary Report</i>	\$15,900.00	
Total Additional Optional Expenses		\$21,900	

This fee proposal represents our best effort to be financially resourceful while fulfilling the goals of the Project. We find that reaching mutually agreeable project costs requires dialogue between the client and design team. We hope to be fortunate to have those conversations with the City Project Team.

HOURLY RATES

Rates are for the calendar year 2023 and are revised each January the following year.

MVVA

Michael Van Valkenburgh	\$375
Partner	\$340
Principal	\$295
Associate Principal	\$260
Senior Associate Level II	\$220
Senior Associate Level I	\$195
Associate	\$175
Senior Designer Level II	\$160
Senior Designer Level I	\$145
Designer	\$125
Junior Designer	\$110
Studio Assistant	\$95
Administrative Staff	\$95
Intern	\$55

UTILE

Principal-in-Charge	\$250
Advising Associate Principal	\$165
Project Manager	\$145
Project Architect	\$130
Senior Urban Designer I	\$130
Senior Designer	\$115
Senior Urban Designer II	\$115
Designer I/Planner I	\$105
Designer II/Planner II	\$95
Designer III/Planner III	\$85
Intern	\$65

DHARAM CONSULTING

Project Manager	\$225
Senior Estimator	\$185
Estimator	\$150

SE GROUP

Adam Portz	\$195
Patrick Olstad	\$175
Elena Juodisius	\$115

FFF, INC.

Principal	\$160
Project Manager	\$140
Project Architect	\$130
Interiors	\$110
Job Captain	\$98
Designer	\$85

ENGINEERING VENTURES

Officer/Principal	\$135 - 175
Senior Project Manager	\$125 - \$160
Project Engineer/Manager	\$125 - \$135
Staff Engineer	\$85 - \$110
Engineering Tech/Designer	\$105 - \$125
Administrative	\$65 - \$100

DGA

Principal	\$252.00
Vice President	\$196.34
Director	\$176.13
Designer II	\$114.00
BIM / CADD	\$114.00
Designer I	\$107.50

IRRIGATION CONSULTING, INC.

Principal	\$150
Senior Project Manager	\$135
Design Engineer	\$110
Senior Project Designer	\$100
Irrigation Designer	\$90

ALTIERI SEBOR WIEBER, LLC.

Principal	\$400
Associate Principal	\$330
Senior Consultant	\$330
Associate	\$300
Senior Engineers / Technical Staff	\$270
Project Engineers / Technical Staff	\$210
Engineers and Technical Staff	\$160
Tech and Administrative Support	\$130
Clerical and Typists	\$130
Technical Interns	\$80

6. Signed Exhibit A



Harborview Lawn Movie Night Event at
Brooklyn Bridge Park, Brooklyn, NY

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.

LANDSCAPE ARCHITECTS, PC

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