

Truman Waterfront

The City of Key West
Naval Properties Local Redevelopment Authority
Qualifications Submittal

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Cover Letter

29 June 2011

City of Key West, Florida
City Hall, 525 Angela Street
Key West, Florida 33040

Dear Truman Waterfront Committee,

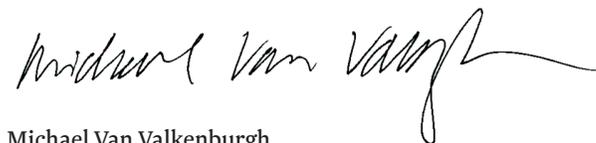
Waterfront parks are always special places, but it is hard to imagine a more beautiful setting for a new park than the twenty-three acres of the Truman Waterfront in Key West. My firm, Michael Van Valkenburgh Associates, Inc., Landscape Architects (MVVA), has assembled a strong team to respond to the specific qualifications identified in your RFQ. Working with the City of Key West Naval Properties Local Redevelopment Agency (LRA), the Truman Waterfront Committee, the City of Key West, and the citizens of Key West, we are confident that the MVVA team offers the vision and expertise to transform the Truman Waterfront into a world-class park that celebrates the rich history, vibrant community, and stunning natural environment of Key West.

MVVA is a national leader in the design of waterfront parks and multiuse recreation areas. We have extensive experience in integrating structural constraints, strategies for economic development, and new green infrastructure into experientially rich public spaces that are welcoming and safe. In addition to our specific waterfront experience with building parks on existing marine structure, designing within the sometimes harsh conditions of coastal environments, and reintroducing ecological vitality to developed sites, MVVA has also worked on several historically sensitive landscapes of national significance with security and multijurisdictional easement considerations similar to those in this project's relationship with the U.S. Naval Base. These projects include Pennsylvania Avenue at the White House, the George W. Bush Presidential Center in Dallas, Federal Plaza in New York City, and the Jefferson National Expansion Memorial in St. Louis.

Collaboration between the MVVA team and the various project stakeholders will result in an integrated design that prioritizes economy, durability, ecological sensitivity, and resourcefulness for initial construction and long-term maintenance. Raymond Jungles, Inc., who are currently overseeing construction of the Key West Botanical gardens, will be a major collaborator, assisting with planting design, community outreach, and client support. Toshiko Mori, who has been a frequent MVVA team member on similarly scaled projects, will be the lead architect. Langan Engineering's Miami office will provide civil and geotechnical engineering services, and the Key West office of Avirom and Associates will provide surveying services.

If the MVVA team is selected to work with Key West in the design of the Truman Waterfront, I would be the lead designer for the project, working with MVVA Associate Chris Donohue as Project Manager. I hope to have the opportunity to speak to you directly about this exciting project.

Sincerely yours,



Michael Van Valkenburgh

Relevant Projects

*Refer to pages 70-72 for client and contractor information

HUDSON RIVER PARK

NEW YORK, NY (2001-2010)

MICHAEL VAN VALKENBURGH ASSOCIATES

Hudson River Park connects Riverside Park, to the north, with Battery Park City, to the south, providing a vital link in a continuous waterfront system of parks, pedestrian trails, and bikeways along Manhattan's Hudson River waterfront. Throughout Hudson River Park, recreational piers are interspersed with piers that are used by public agencies or have been leased for commercial use. Segment 5 of the park runs from Pier 64 south to the Gansevoort Peninsula and is framed by the regional West Side Highway to the east and the river to the west.

The northern portion of this segment, named Chelsea Cove by the MVVA-led design team, opened to the public in 2010. In a feature on Segment 5 in the November 2010 issue of Landscape Architecture Magazine, Alex Ulam described the effect as "an explosion of social life" along the Hudson River. By combining three individual piers into a continuous space, the designers created one of the largest open spaces within the relatively narrow limits of Hudson River Park. The center of Chelsea Cove is contained by a long berm that blocks the highest decibel noise from the adjacent highway and creates clear separation between pedestrian and bicycle pathways. The waterfront park features a broad open lawn that slopes down toward the water, and an abundance of benches and pedestrian-friendly lighting along the water's edge. In developing the program for Segment 5, the design team worked closely with the Hudson River Park Trust, a design review committee consisting of representatives from state and city agencies, and a panel of community members to develop a plan that would be suitable to both the regional needs of the park and the needs of the park's neighbors. Piers 62 and 63 of Chelsea Cove include a skateboard park, a carousel, a public garden designed in collaboration with Lynden B. Miller, and a landscape installation by environmental artist Meg Webster. Pier 64, which forms the north side of the cove and is located at a prominent bend in the river, rises gently toward an elevated prospect, featuring a south-facing lawn and creating privileged views

up and down river, as well as back toward the city. A small maintenance structure, designed by Beyer Blinder Belle Architects & Planners, is located at the northern tip of Segment 5.

At the southern portion of Segment 5, Pier 54, which will be constructed in a later phase, will feature welcoming areas of shade and seating in addition to a large open space designed to host large-scale events such as movie nights and Fashion Week events. Historically prominent as the location from which the Lusitania departed on its final voyage, the new park space will incorporate a pier-scale work by the artist Justen Ladda that traces the shape of the shadow that the giant ocean liner would have cast on the pier. Gansevoort Peninsula, which was addressed as part of the initial concept design of the park, is currently used by city agencies.

Hudson River Park is built on varied conditions, including: new piers, a historic bulkhead, existing relieving platforms, and century-old landfill. During the Schematic Design phase of Segment 5, the MVVA team, which included renowned marine engineering firm Mueser Rutledge Consulting Engineers, discovered that all of these conditions present unique challenges to park design and landscape construction.

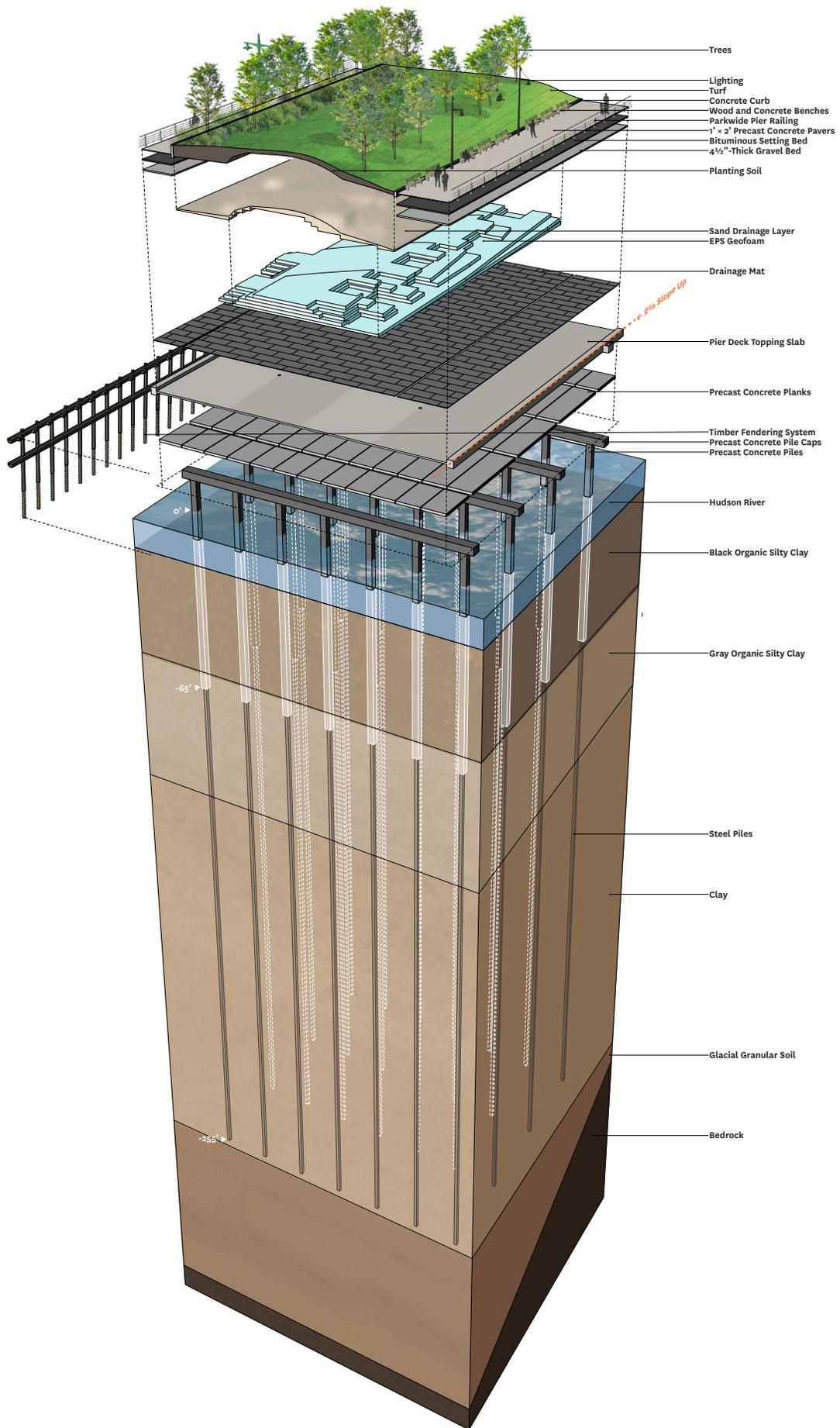
MVVA DESIGN TEAM

Michael Van Valkenburgh
Matthew Urbanski
Paul Seck

PROJECT DATA

Size:	9 acres
Construction Cost:	\$80 Million
Design Fee:	\$6 Million















BROOKLYN BRIDGE PARK **BROOKLYN, NY (1999–2015)**

MICHAEL VAN VALKENBURGH ASSOCIATES

Brooklyn Bridge Park will eventually encompass approximately 85 acres and 1.3 miles of waterfront on the Brooklyn side of the East River. Phase One of the park was completed in 2010 with the construction of Pier One, and the uplands at Pier Six. Even in its partially complete state, the park has emerged as a highly dynamic urban landscape that attracts both tourists and local residents.

Working with economic and urban planners, MVVA was involved in the initial planning of the waterfront, a process that created a governance framework and strategy for economic sustainability. MVVA was then selected to lead the larger project through to completion. The design team coordinated economic models of different revenue-generating scenarios with detailed long-term projections regarding maintenance and upkeep needs of the park. In addition to collaborating with marine, geotechnical, environmental, structural, and civil engineers in the design of the park, MVVA worked closely with sound engineers in the design of high planted berms that will enhance the atmosphere of the park while also dramatically reducing the ambient noise created by an adjacent multi-tiered elevated highway.

The construction of Pier One and the uplands of Pier Six represent an initial effort to put the waterfront on the urban recreational map. These important points of entry into the park feature the program elements that people are most likely to use on a daily basis, including a network of pathways attuned to view opportunities, diverse landscape experiences and microclimates, playgrounds, abundant seating, comfort stations, and generous lawns.

The combined planting and stormwater treatment strategy for the park will treat stormwater on site as much as possible, provide irrigation for much of the year, and create several diverse natural areas that not only serve individually as gardens but also work together to establish a new site ecology. The design also preserves many different aspects of the site's physical history and gives them a presence in the

park. Not only are the timber-pile structures and geometric outline of the shipping piers maintained, but also the wood for benches was salvaged on site from the dismantling of a large building and the granite pieces were salvaged from elsewhere in the city. These recycled materials bring a sense of authenticity to the user's experience of the landscape.

Waterfront program in this first phase includes a stepped granite prospect ideal for watching the sunset across the harbor, an events lawn, a kayak launch, a salt marsh, and a rainwater runoff garden at Pier One. The Pier Six Upland is an elaborate landscape of play, water, and plants that has become a destination for children and families from across the city, particularly during the summer. The central portion of the park, built in a later phase, will build on the success of Pier One and Pier Six. The later construction will include fields for large-scale organized sports, an entire pier of basketball courts, a marina for small boats, and event-scale spaces for the city at large. Additional water-oriented programs, including fishing piers and a beach, will also be built to emphasize the unique location of the park. Water taxi access will open up a fourth entry into the park for regional users.

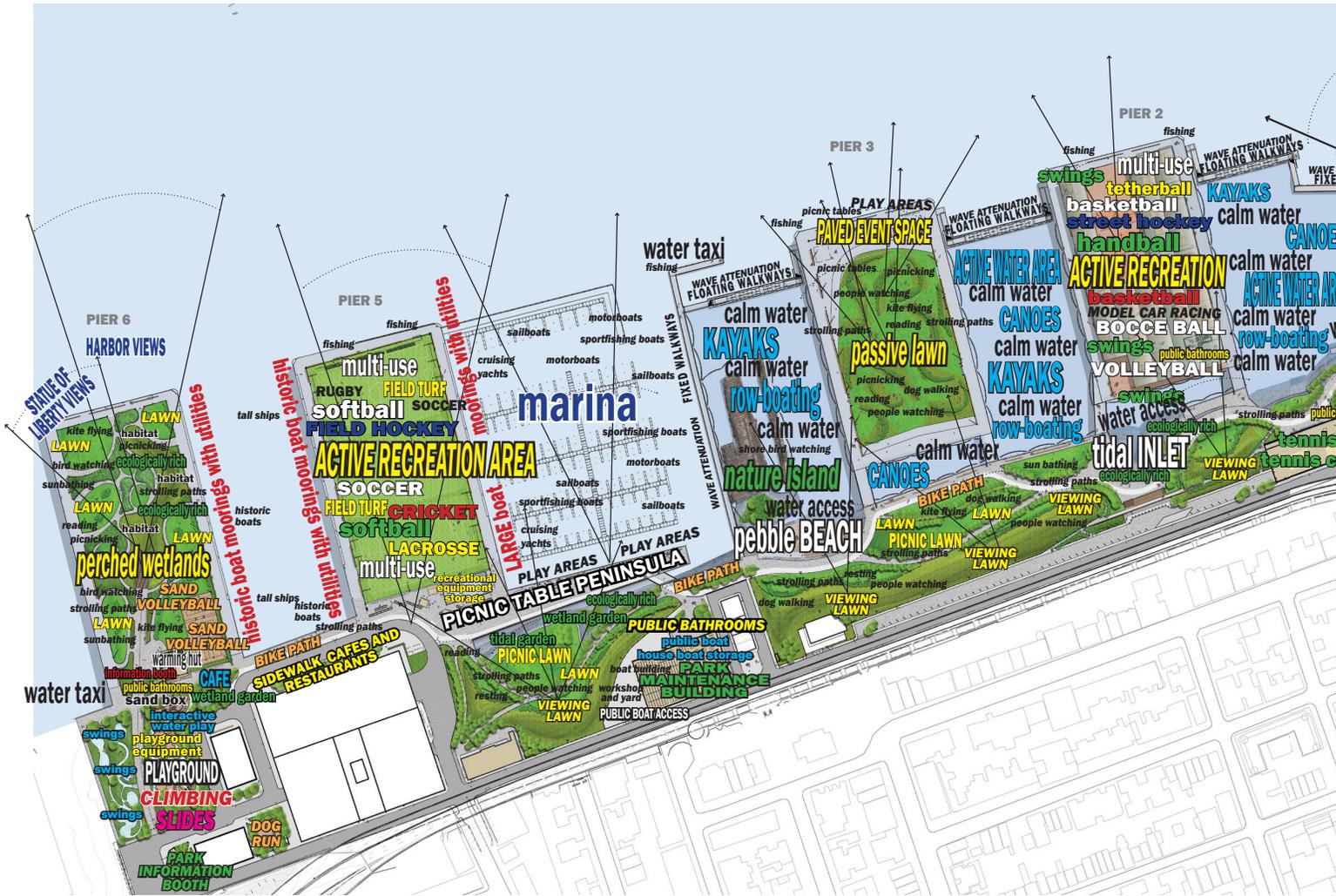
MVVA DESIGN TEAM

Michael Van Valkenburgh
Matthew Urbanski
Laura Solano
Paul Seck
Nik Elkovitch

PROJECT DATA

Size:	85 acres
Construction Cost:	\$350 Million
Design Fee:	\$18.5 Million





PROGRAMMATIC RANGE

A variety of active and passive activities in the park, including several water-based activities unique among East River parks, will draw diverse visitors.

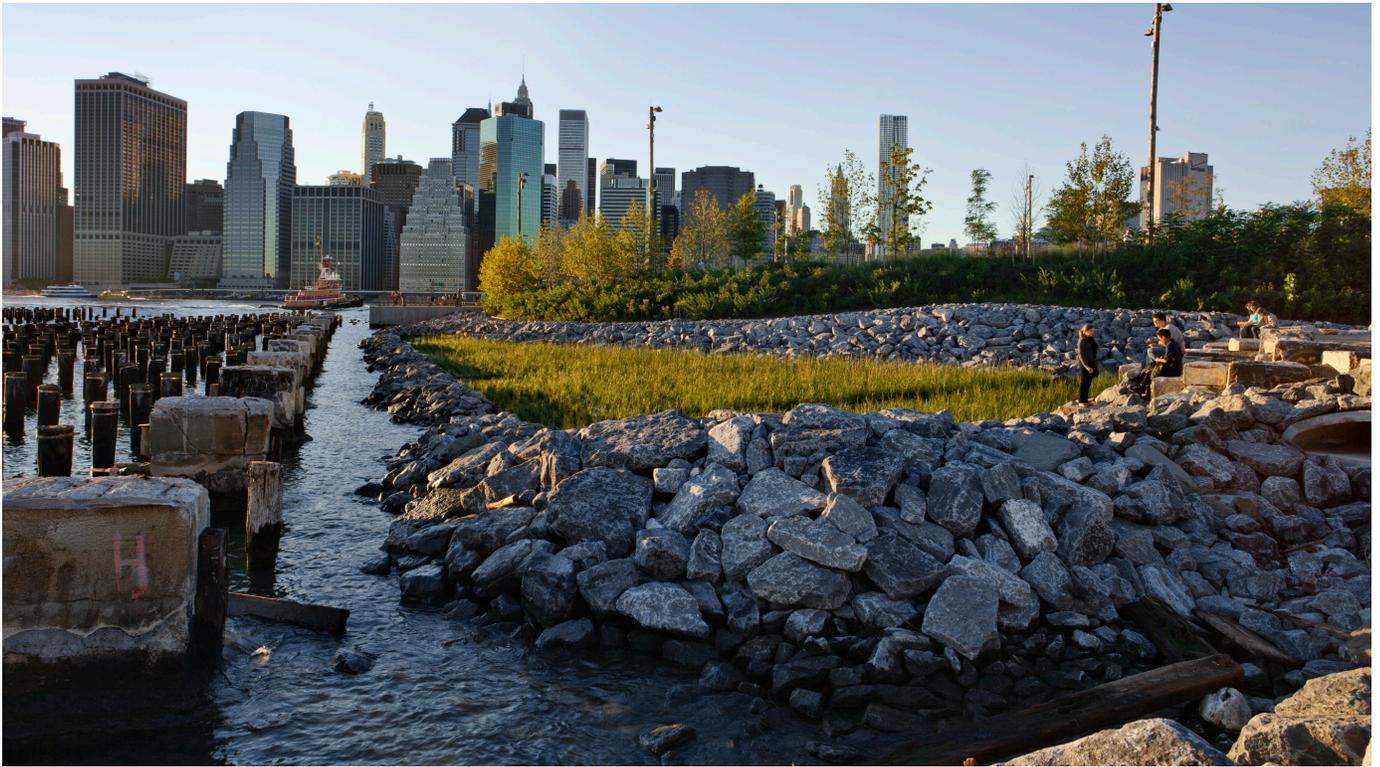
















KEY WEST BOTANICAL GARDEN

KEY WEST, FL (2005-2008)

RAYMOND JUNGLES, INC.

The RJI scope of work for the Key West Botanical Garden included the development of a new wetland habitat, 1.5 acres of new tropical forest, an elevated boardwalk system with wildlife viewing areas, butterfly garden, Florida Department of Environmental Protection (FDEP) Trailhead Facility and Trailhead Atrium. RJI strived to help the client uphold the highest standards of design excellence and ecological value, within the constraints of a limited budget. With the re-design, Key West Botanical Garden has become an important community and cultural platform for lower keys residents and visitors. The spaces have recreational, educational, meditative and natural aesthetic components, all of which emphasize the importance of regionalism in planting design, habitat restoration and highest use of programmatic elements. The garden's vision statement, to be a world class conservation center for the ecosystems of the Florida Keys and Caribbean Basin, has indeed become a reality.

RJI DESIGN TEAM

Raymond Jungles, FASLA

PROJECT DATA

Size:	4 acres
Construction Cost:	\$500,000: Phase 1 \$4 Million: Estimated Full Build Out
Design Fee:	\$40,000: Phase 1











BOSTON CHILDREN'S MUSEUM **BOSTON, MA (2004-2007)**

MICHAEL VAN VALKENBURGH ASSOCIATES

The Smith Family Waterfront Park at the Boston Children's Museum is designed to engage children in the programming of the museum and in the life of the city. The children's plaza creates a space of variety and texture, linking the museum's new front façade to the boardwalk and benches of the public harbor-front walkway that passes in front of the museum. The development of the park's program, which supports the larger mission of the museum, recognizes that childhood is a varied and temporary condition in the life of an individual, but many of the qualities that best engage the minds and senses of children are universal and permanent.

The entrance to the Children's Museum is not on a city street, but on a public waterfront walk. The project needed to reconcile the small scale of the park to its location within a larger pedestrian network linking multiple neighborhoods of the city. In recognition of its iconic role in announcing the presence of the museum from a distance, the Hood Milk Bottle Café was placed in new location with better visibility from the street. The 40 foot-tall milk bottle, which has long served as the museum's most identifiable icon, inspired a series of elements within the plaza that play with perceptions of difference, distance, size, and scale.

Every element of the design, from the seating and paving to the unique environments like the marble tailings or the woodland path, is slightly oversized or overstated, to give the small site a bold presence. These elements are used to call attention to the institution from a distance and clarify the entry sequence from up close. The new design provides a valuable new community asset by establishing a clear outdoor area for museum programming that is distinct from but fundamentally connected to the HarborWalk as well as clarifying the entry sequence from both directions.

Throughout the project, construction techniques had to address the need for durability on a constantly shifting waterfront site. Geofoam was employed as a sublayer to offset the weight of the landscape as a whole and to prevent settlement. Steel piles driven to bedrock were

necessary to support heavier elements. A waterproof liner was introduced to the contain willow roots and keep the canal's salt water out of planting soils. In general, the site is very shady and its groundwater fluctuates with the flow of saltwater through the seawall. Although the presence of trees and plants was deemed to be important for educational purposes, these conditions limited their quantity and the ways in which they were used. MVVA also worked with the architect on the green roof and the stormwater harvesting system. In keeping with the museum's overall mission, children were involved in the assembly of some of the planting modules for green roof.

MVVA DESIGN TEAM

Michael Van Valkenburgh

Laura Solano

Andrew Gutterman

PROJECT DATA

Size:	30,000 sqft
Construction Cost:	\$3 Million
Design Fee:	\$460,000











BOSTON CHILDREN'S MUSEUM

BOSTON CHILDREN'S MUSEUM

YAWKEY CENTER FOR CHILDRENS MUSEUM

HOP

TEARDROP PARK

NEW YORK, NY (1999-2009)

MICHAEL VAN VALKENBURGH ASSOCIATES

The 1.8 acre first phase of Teardrop Park (Teardrop North) offers a program of landscape adventure and sanctuary that complements more traditional playground equipment found at other parks. Although the park serves its entire surrounding community by providing a large lawn, winding trails, and ample benches, particular attention was paid to creating an child-scaled inner world of intricate textures, intense size differences, and precisely choreographed views. Specific features, like the Ice Wall (which drips water in the summer and forms ice in the winter), the lushly planted play marsh with plank trails, the steeply sloped planted areas, the groves of trees, and the water rocks, as well the three “geologic sections” by artist Ann Hamilton, celebrate the expressive potential of the natural materials of landscape construction.

The flat, featureless plot of land that was the pre-existing park site was created in the 1980s by filling in a portion of the Hudson River shoreline. This resulted in a high water table and potential for lateral infiltration of river waters that limited the potential depth of site program. Solar analysis indicated that the residential towers that were to define the corners of the park, each ranging from 210 feet to 235 feet in height, would create tremendous shade. Wind studies indicated that the east/west corridors through the park would experience strong, cold, and desiccating winds off of the Hudson River while the areas between the buildings would be more protected. These combined constraints affected how park program was positioned as well as the plant selection. For instance, recognizing that the northern half of the site would have the most hours of sunlight on any given day, the designers chose this the location for the lawn (which was tilted southward to better absorb the available light). Play areas for small children, like the sand box and water rocks, were placed in the most shaded and wind-protected areas.

Teardrop Park South is a half-acre extension of the park that creates a shared public space for the adjacent branch of the New York Public Library, a café, and visitors to Teardrop Park North. Two distinctive bluestone water features one calm and flowing, the other active and gushing anchor Teardrop Park South’s open and flexible arrangement. A generous arrangement of benches and seat-level bluestone slabs provide intimate seating areas, complemented by over-scaled wooden bleachers which create a small amphitheater for performances and everyday relaxation.

Both sections of the park conform to Battery Park City Authority’s rigorous green guidelines for materials, construction methods, site systems performance, and maintenance. Based on decades-long research into urban soils and non-toxic plant maintenance, environmental aspects of the park’s design include fully organic soils and minimal use of pesticides, herbicides, and fungicides. Treated and recycled graywater from the adjacent LEED Gold-rated Solaire Building and stormwater runoff from the site are captured in an underground storage pipe, supplying all of the Teardrop North’s irrigation needs.

MVVA DESIGN TEAM

Michael Van Valkenburgh
Matthew Urbanski
Laura Solano

PROJECT DATA

Size:	2 acres
Construction Cost:	\$17 Million
Design Fee:	\$2.1 Million



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BRAZILIAN GARDEN **NAPLES, FL (2008-2010)**

RAYMOND JUNGLES, INC.

The Brazilian Garden, which encompasses one acre of the Naples Botanical Garden, opened to the public on November 13, 2010. Approximately 100,000 visitors have experienced the garden to date. In addition to celebrating Brazil, the design pays homage to the work of Brazilian landscape architect Roberto Burle Marx and his prodigious, inventive legacy, humanistic spirit and love of plants. The interplay between people and plants creates a botanical, cultural, and educational venue for garden enthusiasts and botanists. Brazil's seven terrestrial ecosystems find refuge amidst the restored natural wetlands of Naples, Florida, and partake in both an aesthetic and cultural garden dialogue.

The Brazilian Garden was designed to entice movement from the prow of the proposed visitor center. The organic forms of poured concrete walkways with a maximum slope of 1:20 lead the visitors up through Brazil's seven terrestrial ecosystems toward the elevated water garden plaza. These areas are accessible to all visitors, allowing them to interact with the garden, to smell and touch the plants.

Emphasis was placed on the conservation of Brazil's natural systems: all major Brazilian ecosystems are represented, displaying corresponding plant life as if it were in its natural habitat, ultimately assisting the plants in achieving their greatest growth characteristics. Each of these ecosystems features plants with unique attributes, such as color, form, texture, fragrance, and medicinal purpose. Brazilian palms and specimen trees have sculptural, cultural, and visual importance in the garden, many of which Burle Marx personally discovered on his excursions in the Brazilian wilderness or propagated at his nursery in Sitio Burle Marx. Other native Brazilian plantings such as water plants, epiphytes, vines and orchids also accentuate areas throughout the garden.

Peaceful drama was created from the Brazilian Garden's focal point, the elevated water garden plaza, set against the backdrop of a restored conservation area. The plaza features an 8' x 17' ceramic tile mural donated by Raymond Jungles, which is the only public Roberto Burle Marx mural in the United States. The mural is the focal point and terminus of the programmed view from the proposed visitor center.

RJI DESIGN TEAM

Raymond Jungles

PROJECT DATA

Size:	1 acre
Construction Cost:	\$1.4 Million
Design Fee:	\$185,000







MARION SQUARE **CHARLESTON, SC (1998-2002)**

MICHAEL VAN VALKENBURGH ASSOCIATES

Marion Square occupies a crucial position in the urban structure of Charleston. The park serves a number of adjacent neighborhoods with a broad demographic. This space has a long history as a public place: it has been used as a military marching ground since before the Revolutionary War and was the site of a celebratory parade by the city's African-American residents after the Civil War. Prior to its renovation, the park was well used, but badly run down. Given the historic importance of Marion Square and the ongoing popularity it enjoyed, extensive community outreach was undertaken by MVVA as part of the design process.

Demonstrating an ability to work creatively within an existing site identity and landscape language, the primary planning and design issues MVVA addressed included the interpretation of the site's history, introduction of a new performance area, incorporation of a paved farmers' market area, and the complete redesign of all site furniture, pavement, planting, lighting, and signage. A new fountain with aquatic plants marks the most public corner of the park. The design also reflects Charleston's horticultural role as a port of entry for exotic vegetation in the southern United States; promenades framed by native and exotic plant species border the square, creating a shady and cool microclimate around the perimeter. The parade ground itself became more accessible with new paths crossing the large green lawn. In addition, the project included the conservation of historic monuments and a study that identifies future monument sites.

Marion Square Park has a distinct landscape identity while remaining a fundamentally flexible public space. The renovated park accommodates a number of different urban activities some large in impact, though brief in duration, such as the annual Piccolo Spoleto Arts Festival or a broadcast of the Obama inauguration as well as a number of smaller and more frequent neighborhood and civic events.

MVVA DESIGN TEAM

Michael Van Valkenburgh
Laura Solano

PROJECT DATA

Size:	10 acres
Construction Cost:	\$3.5 Million
Design Fee:	\$460,000



KIENER PLAZA — CITY+ARCH+RIVER 2015

ST. LOUIS, MO (2010-2013)

MICHAEL VAN VALKENBURGH ASSOCIATES
TOSHIKO MORI ARCHITECT

Kiener Plaza is an important point of overlap between the downtown St. Louis business district and the Old Courthouse district, which is owned by the National Park Service. TMA is designing a 2,000 sq ft Performance Pavilion for the city-run plaza, developed in coordination with the MVVA plans for the plaza. The project provides an exterior performance space with integrated interior spaces for a visitors' center, public restrooms, and back-of-house-storage.

The performance space has been shaped acoustically to provide optimal sound propagation, while also introducing an interactive structure through which park visitors can walk through when there is not a performance in progress. An inner arch structure provides the acoustic bandshell while conditioned programs are inserted into the interstitial space between the inner and outer arch structures. The concentric arches provide structural stability and allow for the structure to be as minimal and slender as possible.

The architectural design is a playful reference on the Jefferson Memorial Arch, which is located within a five-minute walk. The larger Kiener Plaza design by MVVA lays the groundwork for a highly programmed urban park that gathers the energy of nearby attractions, like the Arch Grounds, and the high volume of people that pass through, or work and live in, the downtown corridor. The new plaza landscape will frame the Old Courthouse as a magnificent backdrop to a highly active landscape that features playful in-ground fountain jets and seasonal cultural programming.

MVVA DESIGN TEAM

Michael Van Valkenburgh
Gullivar Shepard
Nate Trevethan
Chris Donohue

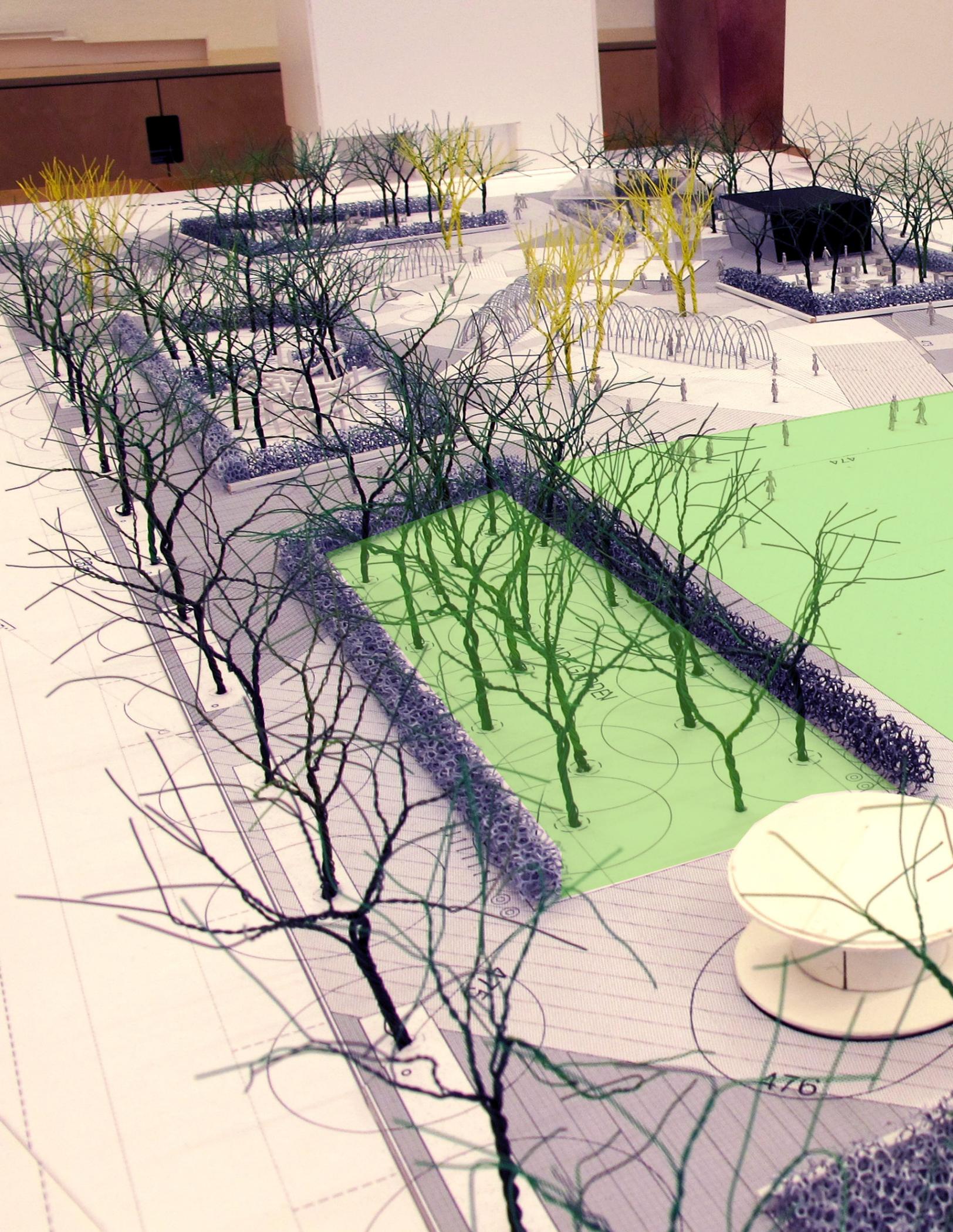
TMA DESIGN TEAM

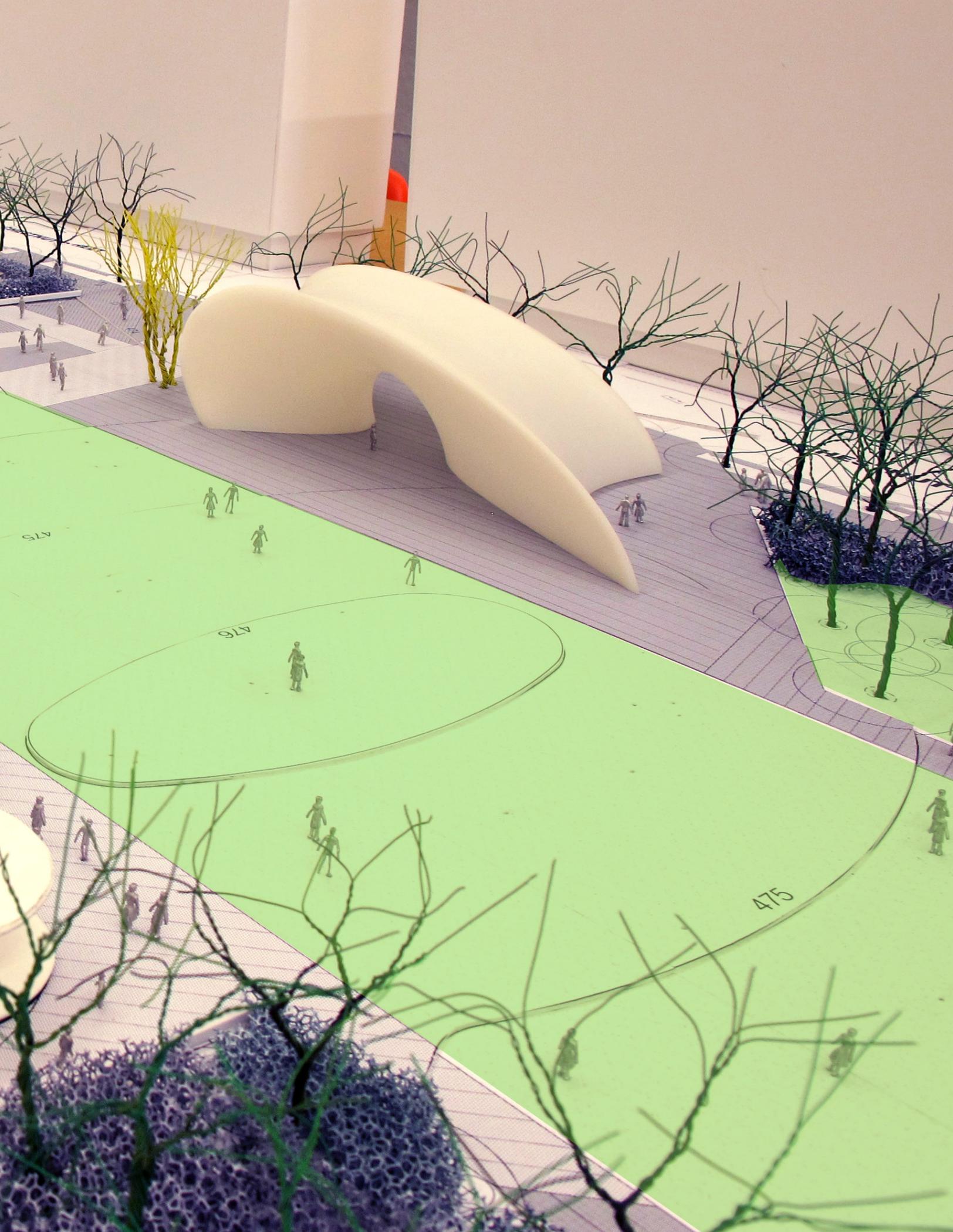
Toshiko Mori, FAIA
Christy Cheng, AIA
Matthieu Lemieux-Blanchard
David Jaubert

PROJECT DATA

Size:	3 acres
Construction Cost:	\$20 Million (landscape)
Design Fee:	\$2 Million











1111 LINCOLN ROAD **MIAMI BEACH, FL (2006-2010)**

RAYMOND JUNGLES, INC.

Lincoln Road Mall, built in 1960, is located in Miami Beach, Florida, a 7.1 square mile island between Biscayne Bay and the Atlantic Ocean. The mile-long pedestrian mall consists of a series of blocks running west from Alton Road to its eastern terminus at Washington Avenue, with each block bound by north/south street automobile crossings. 1111 Lincoln Road is one block within the greater mall.

The planning and design of 1111 Lincoln Road emerged from close assessment of the existing site conditions as well as the overall history of Lincoln Road Mall, originally designed by Carl Fisher in 1914, re-designed by Morris Lapidus in 1960, and once again re-designed by Ben Wood in 1994. The design bridges the experience of urban dwelling with nature, affording vantage points and multi-functional areas for the users of this foremost pedestrian mall in Florida. The roadway turned greenway and waterway is an Everglades-inspired aquatic-infused environment where specimen cypress trees anchor the “urban glade” within the pedestrian plaza. The re-pedestrianized block of Lincoln Road has created an unparalleled variant of civic space in Miami Beach.

An important aspect of the project was gaining the approval of the design from the City of Miami Beach’s Historic Preservation Board. The 1100 block is located within two architectural districts and is considered non-contributing to the overall mall, as it no longer retains original Morris Lapidus’s design features. With that in mind, RJI was challenged and inspired to design elements that were sympathetic to Morris Lapidus’s idea of a promenade animated by pedestrians flowing through outdoor dining areas and retail spaces.

In addition to working sensitively within the historic design context, RJI sought to reinstate the native Florida landscape and to provide habitat and shelter to native animals. A variety of Florida native trees, palms and grasses infuse the space with dramatic texture and colors while providing a smooth transition between the building and human scale. Wetland planted areas have been utilized to aid in biofiltration and reduction of waste, with water intakes under the wetlands to encourage slow flow through plant media. The ultimate goal was to create a healthy, vibrant and enduring civic landscape for visitors and residents alike.

RJI DESIGN TEAM

Raymond Jungles, FASLA

PROJECT DATA

Size:	1 acre
Construction Cost:	\$6 Million
Design Fee:	\$160,000







ELEANOR AND WILSON GREATBATCH PAVILION **BUFFALO, NY (2009)**

TOSHIKO MORI ARCHITECT

The 7,700 sq ft Martin House Visitor Center provides orientation, event spaces, and a permanent gallery for the Darwin D. Martin House, Frank Lloyd Wright's residential complex in Buffalo, New York, built in 1906. The design fosters a lively dialogue between the historical Martin House and the visitor center through a strategy of contrast rather than imitation. The inverted roof of the visitor center simultaneously references the form of Wright's hip roof while marking its distinct public program. The Pavilion's transparent façade and open plan is filled with natural daylight, in contrast to the Martin House's introverted interior, deep recesses and shadows. The slender stainless steel columns along the perimeter of the Pavilion are directly projected from the historic brick piers of the Martin House pergola, further contextualizing its site. The Pavilion's architectural concrete wall references the profile of the iconic raked brick at the Martin House. The visitor center reinterprets Wright's concept of "organic architecture," reflecting innovation and integration of structure, infrastructure, and programmatic relationships.

Since opening in March 2009, the visitor center has become an integral part of both the local and greater Buffalo community, facilitating events in combination with several cultural institutions. The plaza itself has become a welcome neighborhood gathering space, providing an informal and open space for churches get-togethers, school events, and casual picnics, creating an identity that connects the diverse communities in the area.

TMA DESIGN TEAM

Toshiko Mori, FAIA
Alexandra Barker, AIA
Sonya Lee, AIA, LEED AP

PROJECT DATA

Size:	7,700 square feet
Construction Cost:	\$5 Million







ALLEGHENY RIVERFRONT PARK **PITTSBURGH, PA (1994–2002)**

MICHAEL VAN VALKENBURGH ASSOCIATES

Conceived of as an urban amenity that would attract new economic and social vitality to downtown Pittsburgh, Allegheny Riverfront Park contributes to the city's transformed relationships with its cultural district and its river. Although Frederick Law Olmsted, Jr. planned a park system for this river edge in 1911, it soon became a series of highways, which yielded long and narrow residual urban sites along the riverfront whose primary use was parking lots.

The design of the park leverages every available opportunity to improve the sense of welcome and urban excitement along riverfront in order to create an experientially rich pathway from an urban upper level park over a major regional highway down to a lower level park at the river's edge. The park's upper level offers access to outstanding river views and ample seating alongside refined bluestone walkways planted with stately London Plane trees. Areas of additional depth are created alongside the main pathway to allow for larger crowds during events like the 4th of July fireworks shows. The lower level park creates an accessible and durable waterfront marina for downtown. The new space is executed with engaging materials that signal its public use, while at the same time deliberately wild in its native plantings, which can regenerate themselves after floods or ice flows.

Previously no more than a sidewalk, the site for the park's upper level was created through the relocation of a 50-foot wide traffic median in a major urban arterial that runs alongside the park. Access to the lower level is achieved with two new ADA-compliant ramps running down from the Seventh Street Bridge, gracefully incorporating a 25-foot grade change into the experience of the park. An undulating bronze handrail, designed by project artists Ann Hamilton

and Michael Mercil, creates a sense of material elegance while steel frames with chain link create scrims for vines that shield park users from the sight and sound of roadway traffic that runs parallel to the lower park. Additional width around the bridge piers that allows bicyclists and pedestrians to share the space was achieved by cantilevering a portion of the walkway off of the existing bulkhead wall.

A subsequent study for the extensions of the existing Allegheny Riverfront Park explores the possibility of connecting several river edge sites in downtown Pittsburgh, linking existing public spaces, and transforming industrial leftovers into a system of parks. The plan is very flexible, encouraging a connected park system that employs diverse approaches to a variety of urban and environmental circumstances.

MVVA DESIGN TEAM

Michael Van Valkenburgh
Matthew Urbanski
Laura Solano

PROJECT DATA

Size:	4 acres
Construction Cost:	\$15 Million
Design Fee:	\$1.9 Million







PROJECT INFORMATION

HUDSON RIVER PARK

CLIENT

Marc Boddewyn
Vice President Design & Construction
Hudson River Park Trust
Pier 40, Second Floor
353 West Street
New York, NY 10014
T: (212) 627-2020

CONTRACTOR

Brad Newman
Skanska USA
350 Fifth Avenue, 32nd Floor
New York, NY 10118
T: (917) 438.4500

BROOKLYN BRIDGE PARK

CLIENT

Adrian Benepe
Commissioner
New York City Department of Parks & Recreation
The Arsenal — Central Park
830 Fifth Avenue, 3rd Floor
New York, NY 10021
T: (212) 360-1305

CONTRACTOR

James Robinson
Skanska USA
350 Fifth Avenue, 32nd Floor
New York, NY 10118
T: (917) 438.4500

KEY WEST BOTANICAL GARDEN

CLIENT

Key West Botanical Garden
Carol Ann Sharkey, Executive Director
P.O. Box 2436
Key West, FL 33045
T: (305) 304-3666

CONTRACTOR

RMPK Group, now known as IBI Group
Susan Thompson
1519 Main Street
Sarasota, FL 34236
T: (941) 954-1718

BOSTON CHILDREN'S MUSEUM

CLIENT

Lou Casagrande
Former President
Boston Children's Museum
200 The Riverway
Boston, MA 02215
T: (617) 426.4500

CONTRACTOR

ValleyCrest Landscape Development
17 Electric Avenue
Boston, MA 02135
T: (617) 254-1700

TEARDROP PARK

CLIENT

T. Fleisher
Director of Horticulture
Battery Park City Parks Conservancy
75 Battery Place
New York, NY 10280
T: (212) 267-9700

CONTRACTOR

John Kelly
President
Kelco Landscaping and Construction
40 Austin Boulevard
Commack, NY 11725
T: (631) 462-2952

BRAZILIAN GARDEN

CLIENT

Brian Holley
Executive Director
Naples Botanical Garden
4820 Bayshore Drive
Naples, FL 34112
T: (239) 643-7275

CONTRACTOR

Steve W. DeLong
Kraft Construction
3520 Krafts Road
Naples, FL 34105
T: (239) 643-3000

MARION SQUARE

CLIENT

The Honorable Joseph P. Riley, Jr.
The City of Charleston
Department of Parks
823 Meeting Street
Charleston, SC 29403
T: (843) 724-7321

KIENER PLAZA

CLIENT

Peter Fischer
Gateway Foundation
720 Olive Street
Suite 1977
St. Louis, Missouri 63101
T: (314) 241-3337

CONTRACTOR

TBD

1111 LINCOLN ROAD

CLIENT

Robert Wennett
UIA Management, LLC
1111 Lincoln Road, Suite 760
Miami Beach, FL 33139
T: (305) 538-9320

CONTRACTOR

Jerry McDonald
G.T. McDonald Enterprises, Inc.
400 South State Road 7
Plantation, FL 33317
T: (305) 858-6777

ELEANOR AND WILSON GREATBATCH PAVILION

CLIENT

Mary Roberts, Executive Director
Martin House Restoration Corporation
Market Arcade, 617 Main St, Buffalo, NY 14203
robertsm@darwinmartinhouse.org
T: (716) 856-3858

CONTRACTOR

LPCiminelli
2421 Main Street
Buffalo, New York 14214
T: (716) 855-1200

ALLEGHENY RIVERFRONT PARK

CLIENT

Carol Brown
Past President
Pittsburgh Cultural Trust
803 Liberty Avenue
Pittsburgh, PA 15222
T: (412) 471-6070

CONTRACTOR

Trumbull Corporation
225 North Shore Drive
Pittsburgh, PA 15212
T: (412) 807-2000

REFERENCES

BROOKLYN BRIDGE PARK

Regina Myer
President
Brooklyn Bridge Park Development Corporation
(718) 222-9214
rmyer@bbpnyc.org

HUDSON RIVER PARK

Connie Fishman
President and CEO
Hudson River Park Trust
(212) 627-2020
cfishman@hrpt.state.ny.us

TEARDROP PARK

Stephanie Gelb
Director of Architecture & Design
Hugh L. Carey Battery Park City Authority
(212) 417-4301
gelbs@bpcauthor.org

KIENER PLAZA

Peter Fischer
Gateway Foundation
T: (314) 241-3337
mfis848042@cs.com

KEY WEST BOTANICAL GARDEN

Carol Ann Sharkey
Executive Director
Key West Botanical Garden
T: (305) 304-3666
sharkeyfun@aol.com

MVVA Team

Michael Van Valkenburgh Associates

LANDSCAPE ARCHITECT TEAM LEADER

Michael Van Valkenburgh Associates (MVVA) plans and designs landscapes that enrich the urban environment, help build community, and engage the imagination through sensory experience. Our approach to planning and design involves working closely with existing conditions and understanding a site's potential to become an ecologically rich, economically sustainable, and socially vibrant landscape.

Founded in 1982 and now with offices in Brooklyn, New York and Cambridge, Massachusetts, MVVA has decades of experience in assembling interdisciplinary urban design teams and collaborating in the design of public spaces. MVVA is a leading North American practitioner of an emerging ecological paradigm in the design of urban space, one that recognizes the potential for landscapes to become the catalysts for social and environmental sustainability, economic redevelopment, and new urban infrastructure. MVVA's designs embrace the living qualities of the landscape and a positive balance between human-built structures and site ecology. The landscapes of MVVA are united by an excellence in execution that is the result of thoughtful attention to detail throughout design and construction.

MVVA has experience in the design of parks, urban plazas, and waterfronts. In addition to large-scale concerns about ecology and urban connections, we are committed to excellence at the level of site details, layout of benches and seating areas, softscapes and xeriscapes, water features and water play areas, promenades and walkways, harbor walks, recreational fields, and the incorporation of restrooms and amphitheaters into larger park landscapes. We have led interdisciplinary teams that have included architects, civil engineers, marine engineers, traffic engineers, acoustical engineers, artists, signage and wayfinding designers, and lighting designers.

In multiple projects throughout the U.S. and Canada, MVVA has gained experience with the types of issues that are frequently associated with the construction of urban

waterfront parks, including variable subsurface conditions, differing structural capacities, the need to mitigate sound from adjacent roadways, and complex ownership, governance, and right of way arrangements. We are also experienced project spokespeople, often coordinating project outreach, follow-up, and approvals across multiple community and governmental organizations. MVVA has worked with all levels of state, city, and federal government—including the Army Corps of Engineers, the National Park Service, the U.S. Secret Service, and the National Archives and Records Administration, to develop landscape solutions that preserve important historic aspects of a site while also accommodating contemporary concerns regarding security and safety. In all of these circumstances, it has been our responsibility to find the most economical means for creatively transforming marginalized sites from urban obstacles into well-connected and experientially rich landscapes for community enjoyment and recreation.

MVVA's work has been honored with many awards including Planning and Analysis Honor awards from the American Society of Landscape Architects (ASLA) for the Lower Don Lands Master Plan and Brooklyn Bridge Park's Master Plan, an Excellence on the Waterfront Design Honor Award for Brooklyn Bridge Park's Master Plan, a Designing the Parks Honor Award from the National Park Service for Teardrop Park in New York City, and the 2006 ASLA Design Excellence Award for Alumnae Valley at Wellesley College. In 2003 Michael Van Valkenburgh was awarded the Smithsonian Institution's Cooper Hewitt National Design Award in Environmental Design, and the Arnold W. Brunner Memorial Prize in Architecture from the American Academy of Arts and Letters in 2010.



VIEW OF THE AMPHITHEATER AT MVVA'S MILL RACE PARK

Raymond Jungles, Inc.

LANDSCAPE ARCHITECT

Raymond Jungles, Inc. (RJI) is recognized as a dynamic, creative, award-winning landscape architecture firm, practicing landscape architecture from its studio on the banks of the Miami River. The firm has maintained a South Florida and International presence in the exclusive practice of landscape architecture since 1982, undertaking a variety of award-winning projects in the intervening twenty-nine years. RJI has experience in ecological and environmental design in accordance with section 255.2575(2) Florida Statute (Green Buildings/Construction).

Raymond Jungles, Fellow of the American Society of Landscape Architects, has led his highly skilled design team through projects of various complexities, including residential, hospitality, master planning, and institutional work. By approaching Landscape Architecture as an art form applied through principles of ecology, botany, architecture, culture, and art, our firm builds unique botanically rich landscapes, places and spaces that comfort the human psyche and raise the human spirit.

Raymond has had a lifelong passion for nature and the outdoors. His interest in design and architecture developed after moving to Florida in 1974. Landscape Architecture ultimately offered the ideal fusion of his talents. While attending the University of Florida, he was introduced to the work of the Brazilian artist and landscape architect Roberto Burle Marx, whose book, the “Tropical Gardens of Roberto Burle Marx,” opened Raymond’s eyes to the poetry of landscape design.

Raymond is the recipient of thirty-four Design Awards from the Florida Chapter of the American Society of Landscape Architects, including fourteen Awards of Excellence and four Frederic B. Stresau Awards. Raymond has also received a Professional Award from the National Chapter of the American Society of Landscape Architects and was elected a Fellow of the American Society of Landscape Architects in 2006. He has twice been selected as a member of the Design Awards Jury for the Broward County National Professional Association of Architects (AIA). He was named Most Distinguished Alumni in 2000 by the University of Florida. In 2003, he was honored as the Miami Chapter of the American Institute of Architects Landscape Architect of the Year.



RAYMOND JUNGLES' COCONUT GROVE, FLORIDA

Toshiko Mori Architect

ARCHITECT

Toshiko Mori Architect (TMA) is known for over thirty years of innovative and influential work in a diverse body of projects that have received numerous design awards. Mori's intelligent approach to siting a building, engaging historical context, and exploring the innovative use of materials reflects a creative integration of design and technology. Her designs demonstrate a thoughtful sensitivity to detail and involve extensive research into the site conditions and surrounding context. The work of TMA combines a strong conceptual and theoretical approach with a thorough study of programmatic needs and practical conditions to achieve a design that is both spatially compelling and pragmatically responsive.

Toshiko Mori Architect has designed numerous public and open space projects. For the Hudson Park and Boulevard project, TMA is currently working with Michael Van Valkenburgh Associates, the Hudson Yards Development Corporation, and the New York City Economic Development Corporation on the new four-acre urban park as part of the revitalization efforts of West Midtown, Manhattan. TMA also has a number of projects with the New York City Department of Design and Construction, including a new outdoor performance venue and roof structure for the Brooklyn Children's Museum. For our design for the Poe Park Visitor Center on the Grand Concourse in the Bronx, we worked closely with the New York City Department of Parks and Recreation to integrate the new structure seamlessly into the park setting. Similarly, our design for the Visitor Center at Frank Lloyd Wright's Darwin D. Martin House in Buffalo, New York incorporates a public plaza as an extension of the building.

TMA has extensive experience working with multiple stakeholders on complex institutional and public projects. The Martin House Visitor Center was a high-profile project undertaking a fundraising drive, and Mori spent considerable time with the museum board, trustees, and donors, as well as local committees. Her direct involvement was a significant factor in developing the support that enabled the project to move forward. In the New York City area, the Poe Park Visitor Center for the New York City Department of Parks and Recreation required TMA to address public concerns via community meetings, presentations, and design reviews with the New York City Art Commission. Similarly, for the NYU Strategic Planning project, TMA has worked with neighborhood organizations and the New York City Department of City Planning to secure all necessary approvals and ensure the continuing support of the community.

Toshiko Mori Architect's work has been consistently recognized for its responsiveness to the context of a project. Each design involves an extensive study into site conditions and programmatic needs, to provide an architecture that responds dialectically and appropriately. TMA is dedicated to working with local communities to craft a thoughtful and exciting public architecture. We are comfortable working with diverse constituencies, and we understand the special requirements of a public project.



CONCEPTUAL RENDERING OF TOSHIKO MORI'S PAVILION AT HUDSON PARK AND BOULEVARD WITH MVVA

Langan Engineering

CIVIL & GEOTECHNICAL ENGINEER

Langan Engineering and Environmental Services, a professional consulting firm headquartered in New Jersey, was founded in 1970 as a geotechnical engineering firm. Today, the firm employs over 570 employees throughout 15 offices in the United States and five international offices. Langan's New York City office has collaborated with MVVA on multiple technically complex projects including the Hudson Yards Redevelopment and Hudson Park and Boulevard.

Since its inception, the firm has expanded its services to include environmental, civil, traffic/transportation engineering, survey, and landscape architecture services. After four successful decades, Langan has gained a reputation for providing innovative solutions that yield measurable value for our clients continually forging new enduring relationships for the firm and distinguishing Langan from the competition.

The Miami Lakes office, founded in the early 1980s, currently employs a staff of over 20 professionals, providing geotechnical, environmental, and civil engineering services to the South Florida and Caribbean region. This office has worked on some of the largest projects in South Florida and with some of the most difficult ground conditions in the area. The Miami based team has been called upon by numerous local governments and developers throughout the years, resulting in the establishment of many long-term relationships with local cities and communities.

Langan has forged quality relationships with many South Florida area subconsultants, including minority and women owned businesses, which can be called upon for services that are beyond the firm's expertise.

Bridge Design Associates

STRUCTURAL ENGINEER

Bridge Design Associates, Inc. was formed in 1988 to provide structural engineering services for governmental agencies, architects, engineers, developers, and private owners. Whether working as project lead or as supportive team member, the firm's primary objective is to provide practical and buildable engineering solutions to structures in a timely manner and within the client's budget.

Waterfront design has always been part of Bridge Design Associates focus, with completed piers along the entire east coast of Florida. Bridge Design Associates has performed services for Palm Beach County under an annual structural contract for the past 18 years. In addition, we have performed similar services for Indian River and Lee County. We currently have an annual structural contract with the City of Boca Raton, along with providing services for the City of Lake Worth, Lake Worth Drainage District, and Northern Palm Beach County Improvement District.

The Florida Engineering Society recently recognized Bridge Design's Outstanding Technical Achievement for the design and innovations implemented on the Lake Worth Pier and other piers.

Bridge Design Associates, Inc. is willing and capable of handling the structural engineering needs of the Truman Waterfront Park and will to dedicate the necessary project managers, engineers, and inspectors as required to meet the project schedule.

Avirom & Associates

SURVEYOR

Michael D. Avirom, P.L.S., founded Avirom & Associates, Inc. in 1981. Our company is dedicated solely to the land surveying profession, with the philosophy of providing the highest quality product in a timely and professional manner. Our firm continues to achieve this through customer service, extensive knowledge of the land surveying profession, and our commitment to excellence.

Our proven ability, local knowledge, and staying power enable us to undertake a client's surveying needs to their utmost satisfaction. Our project history and experience is extensive and well rounded, giving us the advantage to rely on in-house resources for job costing and actual completion projections. Our firm has extensive knowledge and experience in providing the following surveying services: boundary surveys, ALTA/ACSM land title surveys, as-built surveys, utility locate surveys, coastal mapping, construction surveys, permitting surveys, expert witness testimony, GPS control surveys, hydrographic surveys, legal

descriptions, mean high water surveys, platting, plat review for compliance with Chapter 177, restoration of corners, right-of-way surveys, route surveys, specific/special purpose surveys, submerged land lease surveys, topographic surveys, and wetland location surveys.

Avirom has considerable experience in creating legal descriptions, having submitted in excess of two hundred submerged land leases to the Florida Department of Environmental Protection and the U.S. Corps of Engineers throughout the State of Florida. We are knowledgeable and experienced with the formats and requirements of the agencies for submittal. Avirom & Associates, Inc. utilizes our firm's quality assurance, quality control, and project management policy from the inception of a project to ensure the project is carried through to completion in the most efficient and timely manner.

Leni Schwendinger Light Projects

LIGHTING DESIGNER

Leni Schwendinger Light Projects LTD creates illuminated environments and masterplans for public spaces all over the world. These works energize architecture, landscape, transportation, and transit infrastructure with the ultimate objective of connecting people to each other and to their surroundings, especially during the nighttime hours. Balancing technological sophistication, solid project management and artistic excellence, the Light Projects methodology has produced a distinctive series of interactions with clients ranging from state and municipal agencies and architectural and engineering firms to museums and event planners.

For over a decade, the Light Projects studio has been a magnet for professional multi-disciplinary collaborations, including a recent collaboration with MVVA at 26 Federal Plaza in New York. A recent project in Brooklyn, New York the Coney Island Parachute Jump illumination-reflects calendar events and tidal patterns all year round. Completed

in 2010, the underside of the 2nd Street Bridge in Louisville, Kentucky is enhanced with a floating effect of cast light; outlining and illuminating the I-beam surfaces and textures,

Leni Schwendinger is committed to creating the next generation of luminous environments and cityscapes. For San Diego's Broadway Terminal, Light Projects transformed the newly constructed Port Pavilion on Broadway Pier into a shimmering light installation visible to pier visitors, boats, pedestrians, and motorists along the Embarcadero promenade. Light projections onto the ground plane create an immersive environment, providing both a visual and experiential installation to engage the public. "Tidal Radiance" opened in January 2011.

Project Projects

SIGNAGE & WAYFINDING DESIGNER

Project Projects is experienced in engaging a broad public through the use of bold and site-specific graphics. Wayfinding in particular can be a means to bring liveliness, foot traffic, and renewed public attention to a given location.

Prem Krishnamurthy (founding principal) studied graphic design and photography at Yale University and completed a Fulbright Fellowship in Germany. He was a senior designer at the Berlin studio Leonardi.Wollein, where he worked on projects including an award-winning identity and signage proposal for the Museumsinsel Berlin. At Project Projects, he has led numerous identity, signage, and environmental graphics projects including Yale University Art Gallery, Museo Tamayo, Freshkills Park, Hudson River Park Pier 62 Skatepark, Into the Open, The Good Life: New Public Spaces for Recreation, and Berlin–New York Dialogues. He has also focused on projects in the cultural sector, including work for the Berkeley Art Museum, Bard College Center for Curatorial Studies, Center

for Architecture New York, Guggenheim Museum, MoMA, Whitney Museum of American Art, and more. Prem teaches in the graduate graphic design program at RISD and he has been a lecturer, critic, and workshop instructor at the Walker Art Center, Yale School of Art, the Bauhaus University Weimar, Jan van Eyck Akademie, Columbia Graduate School of Architecture, Planning, and Preservation, Cooper Union, and New York University Interactive Telecommunications Program.



DESIGN TEAM WORKSHOP AT MVVA

IDENTIFICATION OF EACH FIRM'S TEAM MEMBERS

Michael Van Valkenburgh will head the project, providing the overall concept leadership in the integration of park design, urban design, programming, waterfront history, and waterfront engineering approaches. Chris Donohue, who represented the team at the Mandatory Pre-response Conference will be the MVVA Project Manager, responsible for design coordination, overseeing team progress, and collaboration with the client and the community.

As lead designer, MVVA will provide landscape architectural leadership in the development and documentation of each phase of the Truman Waterfront project while also being supported by a team of top-notch design professionals with decades of relevant waterfront and park design experience. Raymond Jungles of Raymond Jungles, Inc. (RJI), who has been a registered business in Monroe County and the City of Key West for many years, will provide landscape architectural expertise in local flora and fauna, community outreach, and general project support. He will be supported by Tyler Nielsen as RJI project manager. Toshiko Mori of Toshiko Mori Architect, who has collaborated with MVVA on several previous projects, including an amphitheater/plaza in St. Louis, will be team Architect, supported by project manager Joshua Uhl. Leni Schwendinger, lead principal of Light Projects Ltd., who worked with MVVA on the integrated design for 26 Federal Plaza in New York City, will be the team's lighting designer. Prem Krishnamurthy, lead principal of Project Projects, who has worked with MVVA on Segment 5 of Hudson River Park, among other projects, will be in charge of signage and wayfinding.

Our technical team has been selected on the basis of their professional excellence, relevant work experience, and potential accessibility and ability to respond quickly to evolving client needs throughout the planning and design of the Truman Waterfront. Langan Engineering & Environmental Service's Miami Lakes office will collaborate with MVVA on the integration of park program with urban infrastructure. From Langan, Leonardo Rodriguez will be

the Senior Associate in charge of Civil Engineering, Roger Archabal will be in charge of Geotechnical Engineering, and Eric B. Schwartz, who is a LEED accredited professional, will assist with Civil and Environmental Engineering. Brian C. Rheault of Bridge Design Associates in Royal Palm Beach will be the team's consultant for all aspects of Structural Engineering, including any above and below aspects of waterfront design as well as architectural and landscape program. Our surveyor will be the Key West office of Avirom & Associates, led by Michael Avirom working with Keith Chee-A-Tow, offering extensive experience in topographic, boundary, bathymetric, and construction layout surveying and aerial mapping. Various members of the MVVA team would consult with the City's management team in the development of reliable cost estimates and phasing strategies, cost controls, bidding, and construction oversight.

MVVA has collaborated frequently in the past with public artists, water feature designers, soils scientists, event planners, economic consultants, parks programming experts, and other specialists that might be of interest as plans for the Truman Waterfront evolve. Working in concert with the client, MVVA would add new team members as the need for them arises. Developing framework and concept strategies for integrated urban sustainability that contributes to an environmentally positive and socially vibrant waterfront will be part of the responsibility of all members of the MVVA team.

MANAGEMENT APPROACH

MVVA tailors our management approach to the specific needs of the project, but we also rely on our decades of experience to inform decision-making at each step in the process. Working as an integrated multidisciplinary team for the Truman Waterfront, the MVVA team will collaborate on a coordinated strategic response to the economic, experiential, and environmental potentials of the site. Technical and design consultants will begin the project with an extensive review of the existing master plans,

economic documents, historic information, legal and zoning information, surveys, minutes from public meetings, and other information that has been collected about the project site over the years.

The questions that the team will ask as we begin to work with the existing Truman Waterfront documents will be open-ended and exploratory but also guided by our collective experience in the design of public waterfront parks. Team members will work together to seek out solutions that simultaneously address multiple challenges. Vetting ideas with the LRA, the Truman Waterfront Committee, and community stakeholders, MVVA team members will be testing, modifying, and honing design initiatives in a very open and transparent environment. It has been our experience that a community that is informed about in the realities of site structure, potential challenges, budget, and schedule from the beginning is in a better position to build an unshakeable consensus vision that will be preserved over the course of its realization. As the project moves closer to construction, the best way to meet project goals, particularly with respect to budget and schedule, is by allowing design decisions to be guided by dependable information about the project's economic, environmental, structural, and social context.

Throughout the planning and design phases, MVVA frequently uses physical models at different scales to explore and test different ideas about site adjacencies, topography, context, and material detailing. These models are design tools first and foremost, but they are also very useful presentation tools for speaking with the client and the community. For smaller projects, a single model may suffice, but for larger projects it is typical that we would construct both a full site model and individual areas. As the design advances and becomes more detailed, MVVA frequently builds full-sized mock-ups of various details related to paving, stonework, signage, or bench design, so that we can be confident that the finished work meets everyone's highest expectations.

TEAMWORK AND QUALITY CONTROL

For any project large enough to require a team of subconsultants, MVVA ensures that team members have clear responsibilities and guidelines for achieving design excellence, sustainability, budget, technical soundness and the schedule. As the prime firm on the Truman Waterfront, MVVA will define the roles of various team members, manage team time, travel, and resources, establish the schedule milestones for the project, and oversee the coordination of project documents and construction.

Quality assessment and control are key to the success of every landscape we design and build. Excellence is achieved only through the proper integration of imaginative design with innovative and responsive engineering. MVVA is committed to reaching the best outcome across all sizes of projects. As a firm, we have internal procedures in place that ensure that every presentation drawing and every document is crosschecked for clarity and accuracy. For larger or more complex projects, we frequently are managing more subconsultants with a greater degree of technical specialization, which requires additional attention be paid to developing a framework for decision-making within each discipline, as well as coordinating design ideas, documents, and construction. While early stages of a large project might involve a relatively concentrated leadership team consisting of a project principal and project manager, as projects get under way, it is typical that the project manager would consult with a broad range of design staff to assist in research, design development, and the coordination of various subconsultants. In some cases, an assistant project manager, or job captain, is added to the project team to give additional support to the project manager. By engaging multiple members of MVVA staff at multiple stages in the development of the project, the firm ensures that design ideas are preserved throughout documentation, bidding and negotiations, and construction observation.

CAPACITY TO ACCOMPLISH WORK

The Truman Waterfront is comparable in size and complexity to many long-distance projects MVVA has undertaken in the past. Given the size of the project, MVVA project manager Chris Donohue would be dedicated primarily to the Truman Waterfront, working under Michael Van Valkenburgh's direction as lead designer. As the design work progresses over the next 5-10 years and more MVVA staff are involved in different aspects of the project, we anticipate that firm resources can be made available at the right times.

FINANCIAL MANAGEMENT OF TEAM

MVVA's ability to manage our firm's resources and our team's resources is of vital importance to the success of the project. MVVA collects long-term projections across multiple projects in order to anticipate and meet the staffing needs of a project as they evolve. Similarly, we try to effectively match our team size and expertise to the relative needs of a small, medium, or large project, working to efficiently and expertly address all aspects of the project with precisely the right amount of involvement from specialized consultants.

AVAILABILITY OF TECHNICAL TEAM TO THE LRA

We have assurances that all of our team members are similarly well prepared to balance their workload and staffing in such a way that they will be able to provide us with the appropriate levels of service throughout the project. Many of our technical consultants, including our surveyor, our civil engineering, our structural engineer, and Raymond Jungles, Inc., are located either in Key West or in South Florida, allowing them to quickly respond to evolving client needs. Additionally, each firm has several established procedures to ensure additional resources are available whenever needed.

SCOPE OF WORK AND CHANGE ORDERS

Design quality at all scales will be maintained through an iterative design process in which various design initiatives are tested, cross-checked, and influenced from the perspectives of different disciplinary approaches and diverse

project goals. At each phase of a project, MVVA works to preserve the initial vision of the client throughout the design process. As the project evolves, however, it is possible that various base assumptions about program, constructability, economic conditions, schedule, phasing, project size subsurface conditions, etc., will be modified out of necessity or at the request of the client. In these instances, it is MVVA's role to work closely with the client to understand potential ramifications with respect to the budget and the schedule. Should the need for arise for professional services that exceed those stipulated in the contract, the MVVA team would work with the LRA to define any expanded scope or fee. Similarly, MVVA is very experienced in the creation of construction documents for waterfront work and we have overseen the building of many projects with similarities to the Truman Waterfront. Drawing on our own experience, we will make every effort to limit the potential for change orders during construction by creating a document set that clearly defines the expectations of the project. In circumstances where unexpected conditions are encountered during the course of construction, our team would work closely with the LRA's selected contractor to resolve any issues in the most economical way while still preserving the integrity and quality of the finished waterfront.



**BROOKLYN BRIDGE PARK COMMUNITY DESIGN
WORKSHOP AND OPEN HOUSE**

Key Personnel

MICHAEL VAN VALKENBURGH

PRINCIPAL, MVVA

EXPERIENCE

- 1982– Michael Van Valkenburgh Associates, Inc.
1979–1982 Carr, Lynch Associates, Inc., Cambridge, MA

EDUCATION

- 1977 University of Illinois at Urbana-Champaign, Master of Fine Arts in Landscape Architecture
1973 Cornell University, College of Agriculture, Bachelor of Science

SELECTED AWARDS

- 2011 Brendan Gill Prize, New York City Municipal Arts Society, for Brooklyn Bridge Park
2010 Arnold W. Brunner Memorial Prize in Architecture, American Academy of Arts and Letters
American Society of Landscape Architects (ASLA) Design Honor Award, for the Connecticut Water Treatment Facility, New Haven, CT
2009 ASLA Design Honor Award, for Teardrop Park, New York, NY
ASLA Analysis and Planning Honor Award, for Brooklyn Bridge Park 2005 Master Plan, Brooklyn, NY
2008 ASLA Design Honor Award, for the Boston Children's Museum, Boston, MA
ASLA Analysis and Planning Honor Award, for the Lower Don Lands Project in Toronto, ON
Royal Architectural Institute of Canada Special Jury Award for Sustainable Development, for the Lower Don Lands Project in Toronto, ON
2007 City of Toronto Urban Design Award, for the Lower Don Lands competition design, Toronto, ON
2006 ASLA General Design Award of Excellence, for "From Brownfield to Greenfield: A Working Landscape for Wellesley College Wrenched from its Toxic Past," Wellesley, MA
2005 ASLA Design Honor Award, for the Herman Miller Factory landscape, Canton, GA
2003-04 Member, World Trade Center Memorial Competition Jury
2003 National Design Award for Environmental Design, Smithsonian Institution's Cooper-Hewitt National Design Museum
2002 ASLA Design Merit Award, for Allegheny Riverfront Park, Pittsburgh, PA
1999 ASLA Planning and Analysis Merit Award, for Wellesley College, Wellesley, MA

ACADEMIC EXPERIENCE

- 1993– Charles Eliot Professor of Landscape Architecture, Harvard Graduate School of Design
1991–1996 Chairman, Department of Landscape Architecture, Harvard Graduate School of Design
1982–1991 Harvard Graduate School of Design, Department of Landscape Architecture: Adjunct Professor, Associate Professor, and Assistant Professor

PROFESSIONAL REGISTRATION AS A LANDSCAPE ARCHITECT

Council of Landscape Architecture Registration Board, No. 197; by examination, 1979. Washington, Arizona, Connecticut, Delaware, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Minnesota, Missouri, Nebraska, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Virginia, and Wisconsin; Ontario, Canada

LAURA SOLANO
PRINCIPAL, MVVA

EXPERIENCE

- 1991– Michael Van Valkenburgh Associates, Inc.
1990-1991 Schreiber Associates, Cambridge, MA
1986-1990 Pryor Geller Schreiber Landscape Architects, Watertown, MA
1985-1986 Sasaki Associates, Watertown, MA

EDUCATION

- 1983 The Ohio State University, Bachelor of Landscape Architecture
1975-1978 University of Maryland, Botany Major

SELECTED HONORS AND AWARDS

- 2004 Design Merit Award, American Society of Landscape Architects (ASLA), for Rose Garden, Dallas, TX.
2002 Design Merit Award, ASLA, for Allegheny Riverfront Park, Pittsburgh, PA.
Planning and Analysis Honor Award, ASLA, Allegheny Riverfront Park Extensions East and West, Pittsburgh, PA.
1997 Citation, Progressive Architecture Awards, for Allegheny Riverfront Park, Pittsburgh, PA.
1993 Highest Design Prize, Boston Society of Landscape Architects, for Mill Race Park, Columbus, IN.

SELECTED WORK

- George W. Bush Presidential Center, Dallas, TX
PENN Park, University of Pennsylvania, Philadelphia, PA
Don River Park, Toronto, Canada
Brooklyn Bridge Park, New York, NY
The Boston Children's Museum, Boston, MA
The Restoration of Pennsylvania Avenue at the White House, Washington, D.C.
Teardrop Park, Battery Park City, New York, NY
Marion Square, Charleston, SC
Hoffman Museum, Dallas, TX
Rose Garden, Dallas, TX
Spider Island, Chicago Botanic Garden, Chicago, IL
Allegheny Riverfront Park, Pittsburgh, PA
Mill Race Park, Columbus, IN

ACADEMIC EXPERIENCE

- 1992 – Harvard University Graduate School of Design, Instructor and Lecturer, Landscape Technology

PROFESSIONAL REGISTRATION AS A LANDSCAPE ARCHITECT

- Massachusetts, Ohio, Pennsylvania, Louisiana
CLARB Certified

CHRIS DONOHUE
ASSOCIATE, MVVA

EXPERIENCE

- 2008- Michael Van Valkenburgh Associates, Inc.
2007-2008 Hamer Center For Community Design, Pennsylvania State university
2007 Smith Group, JJR, Ann Arbor, MI (Internship)

EDUCATION

- 2008 Pennsylvania State University, Bachelor of Landscape Architecture
Architectural History Minor

SELECTED HONORS AND AWARDS

- 2008 American Society of Landscape Architects Merit Award

SELECTED WORK

- President's Park South Competition, Washington, D.C.
City + Arch + River: Jefferson National Expansion Memorial, St. Louis, MO
Harvard Law School Crossroads, Cambridge, MA
Library Park, Boston Public Library, Allston, MA
Common Spaces Feasibility Study, Harvard University, Cambridge, MA
George W. Bush Presidential Center, Dallas, TX
PENN Park, University of Pennsylvania, Philadelphia, PA
Lansdowne Park Competition, Ottawa, ON
Barnes-Jewish College Institute of Health Plaza, Washington University, St. Louis, MO

RAYMOND JUNGLES, FASLA

242 SW 5th Street
Miami, Florida 33130
Phone 305-858-6777
raymond@raymondjungles.com

EDUCATION

- 1981 Bachelor of Landscape Architecture, Honors / University of Florida
- 1978 Associate in Arts, Honors / Miami-Dade Community College

REGISTRATION

State of Florida / Landscape Architect / LC0000258 / October 1982

SELECTED PROFESSIONAL ACTIVITIES

- 2006-2011 Fellow of the National American Society of Landscape Architects (ASLA) Council of Fellows
- 1983-2011 Member / ASLA
- 1982-2011 Founding Principal of Raymond Jungles, Inc.
- 2009 Educational Instructor "Inside the LA Studio" / ASLA National Meeting
- 2007 Member / ASLA National Awards Jury
- 2006 Presenter / ASLA National Meeting
- 2005 Presenter / Tour Guide/Practitioner's Panel/ ASLA National Meeting
- 1981-1982 Principal, Raymond Jungles Design Build

SELECTED AWARDS

- 2011 Award of Excellence/ Florida Chapter, ASLA/ 1111 Lincoln Road, Miami Beach, FL
Award of Honor/ Florida Chapter, ASLA/ Brazilian Garden, Naples, FL
Award of Honor/ Florida Chapter, ASLA/ Coconut Grove, FL Garden, Coconut Grove, FL
- 2010 Award of Excellence /Florida Chapter, ASLA/ Brazilian Modern Orchid Show, New York, NY
Award of Merit/ Florida Chapter, ASLA/ The Davids Garden, Treasure Cay, Bahamas
- 2008 Frederic B. Stresau Award of Excellence / Florida Chapter, ASLA / Stone Reef House Garden, Key Largo, FL
Award of Excellence / Florida Chapter, ASLA / Stone Reef House Garden, Key Largo, FL
- 2005 Honor Award / National ASLA Professional Awards Program / Island Modern, Key West, FL
Frederic B. Stresau Award of Excellence / Florida Chapter, ASLA / Island Modern, Key West, FL
Award of Honor / Florida Chapter, ASLA / Casa Morada, Islamorada, FL
- 2004 Award of Excellence / Florida Chapter, ASLA / Hyatt Windward Point Resort, Key West, FL
Award of Merit / Florida Chapter, ASLA / Bergeron Garden, Shark Key, FL
- 2001 Frederic B. Stresau Award of Excellence / Florida Chapter, ASLA / Dunn Garden, Key West, FL
Award of Excellence / Florida Chapter, ASLA / Dunn Garden, Key West, FL
Award of Excellence / Florida Chapter, ASLA / Swerdlow Garden, Islamorada, FL
- 1998 Award of Excellence / Florida Chapter, ASLA / Salinero Garden, Shark Key, FL
Award of Merit / Florida Chapter, ASLA / Marquessa Hotel, Key West, FL
- 1997 Frederic B. Stresau Award of Excellence / Florida Chapter, ASLA /Hyatt Sunset Harbor Resort, Key West, FL
Award of Merit / Florida Chapter, ASLA / Paradise Inn, Key West, FL
- 1992 Gold Award / American Resort Development Association / Coconut Beach Resort Hotel, Key West, FL
- 1991 Award of Excellence / Florida Chapter, ASLA / Jungles-Yates Garden, Key West, FL

SELECTED WORK

1111 Lincoln Road, Miami Beach, FL
New World Symphony, Miami Beach, FL
Key West Botanical Garden, Key West, FL
Brazilian Garden at the Naples Botanical Garden, Naples, FL
Miami Beach Botanical Garden, Miami Beach, FL
Soho Beach House, Miami Beach, FL
Golden Rock Inn, Nevis, West Indies
Casa Morada, Islamorada, FL

TOSHIKO MORI FAIA

REGISTRATION AND PROFESSIONAL AFFILIATIONS

Registered Architect of the State of New Jersey, Minnesota, Rhode Island, Connecticut, Michigan, Massachusetts, **Florida**, Maine, and New York
NCARB certified

EDUCATION HARVARD UNIVERSITY GRADUATE SCHOOL OF ARCHITECTURE, Hon. M.ARCH
COOPER UNION SCHOOL OF ARCHITECTURE, B.ARCH
COOPER UNION SCHOOL OF ART

AWARDS AND HONORS New York City Art Commission Design Award, Brooklyn Children's Museum Roof Top Canopy, 2012
World Architecture Festival Award Shortlist, Eleanor and Wilson Greatbatch Pavilion, 2010
American Architecture Award Shortlist, Eleanor and Wilson Greatbatch Pavilion, 2010
AIA New York State Award of Excellence, Eleanor and Wilson Greatbatch Pavilion, 2010
AIA New York Chapter Honor Award, Eleanor and Wilson Greatbatch Pavilion, 2010
AIA Buffalo/Western New York Honor Award, Eleanor and Wilson Greatbatch Pavilion, 2009
AIA New York State Award of Excellence, Newspaper Café, 2009
AIA New York State Award of Excellence, Addition to House on the Gulf of Mexico, 2008
AIA New York Chapter Project Honor Award, Syracuse Center of Excellence, 2008
New York City Art Commission Design Award, Poe Park Visitor Center, 2007
American Institute of Architects/New York Chapter Medal of Honor, 2005
Academy Award in Architecture, American Academy of Arts and Letters, 2005
Cooper Union Inaugural John Hedjuk Award, 2003
American Academy of Rome: Bernoudy Visiting Architect Fellowship, 2002
Harvard University Provost's Grant, 2001
NYC/AIA Design Award: Cohen House, 2000
78th Annual Art Directors Club Award: Silver Medal for MOMA Exhibit, 1999
I.D. Annual Design Award: Design Distinction for Pleats Please, 1999
I.D. Annual Design Award: Honorable Mention for MOMA Exhibit, 1999
Cooper Union Presidential Alumni Citation, 1999
NYC/AIA Design Award Citation Interior Architecture, 1998
Renovation Award: Chamber of Commerce, Rockport, ME, 1995
Emerging Voices: Architectural League of NY, 1992
11th Annual Interiors Award for Best Retail Design, 1990
Shinkenchiku/Central Glass International Architectural Design Competition Honorable Mention, 1990
NYC/AIA Design Award in Interior Architecture, 1989
International Association for Lighting Designers, I.A.L.D. Citation for Lighting Design, 1989
NYC/AIA Design Award Citation Interior Architecture, 1988

TEACHING EXPERIENCE Harvard University Graduate School of Design, Chair, Department of Architecture, 2002-2008
Harvard University Graduate School of Design, Thesis Director, 1999-2008
Harvard University Graduate School of Design, Professor in the Practice of Architecture with tenure, 1995-
Columbia University School of Architecture, Visiting Critic, 1994
Harvard University Graduate School of Design, Visiting Critic, 1994
Yale University School of Architecture, Visiting Critic, 1993
Yale University School of Architecture, Eero Saarinen Visiting Professor, 1992
Harvard Graduate School of Design, Visiting Critic, 1989
Cooper Union School of Architecture, Associate Professor, 1988-95
Cooper Union School of Architecture, Design Critic, 1980,83-88
Parsons School of Design, Design Critic, 1982

JOSHUA UHL, AIA, LEED AP

REGISTRATION + PROFESSIONAL AFFILIATIONS

Registered Architect of the State of New York
Member, American Institute of Architects
LEED Professional

EXPERIENCE **TOSHIKO MORI ARCHITECT**, New York, New York
Senior Associate

BROOKLYN CHILDREN'S MUSEUM ROOF TOP CANOPY, Brooklyn New York
Project Architect. 7,300 sq ft new roof top canopy with open-air multipurpose performance, gathering, and outdoor dining space.

HUDSON PARK AND BOULEVARD, New York, New York
Project Architect. 4 acre development of New York City streetscape and public space.

SYRACUSE CENTER OF EXCELLENCE IN ENVIRONMENTAL AND ENERGY SYSTEMS, Syracuse, New York
Project Architect. 55,000 sq ft research laboratories and offices.

NEW YORK UNIVERSITY STRATEGIC PLANNING INITIATIVE, New York, New York
Project Architect. 6,000,000 sq ft campus master plan for campus development and expansion.

DILLER + SCOFIDIO, New York, New York
Project Architect/Project Manager

NORTH PLAZA RESTAURANT AND PUBLIC SPACES, New York, New York
Project Architect/ Project Manager
Renovation of the Performing arts complex's Public spaces, adding new facilities including a 12,000 sq ft restaurant and catering facility, 15,000 sq ft Film Center, 2,000 sq ft Black Box Theater, and 60,000 sq ft Public Plaza and Garden.

MAYA LIN STUDIO PC, New York, New York
Project Architect

TOBLER DUNCKER ARCHITECTS PC, Jackson, Wyoming
Project Architect

EDUCATION COLUMBIA UNIVERSITY GRADUATE SCHOOL OF ARCHITECTURE, PLANNING AND PRESERVATION,
New York, New York
MASTERS IN ARCHITECTURE

AIA ALLWORK PORTFOLIO SCHOLARSHIP
MCKIM PRIZE
WILLIAM KINNE FELLOWSHIP
SOM TRAVELING FELLOWSHIP

MIAMI UNIVERSITY, Oxford, Ohio
BACHELOR OF ENVIRONMENTAL DESIGN

TEACHING COLUMBIA UNIVERSITY GRADUATE SCHOOL OF ARCHITECTURE, PLANNING AND PRESERVATION,
New York, New York
Adjunct Professor of Architecture, Digital Design, 2002-present
Coordinator, Visual Studies Sequence, 2004-present

EDUCATION

University of New Orleans, Master of Science in Civil Engineering (Geotechnical)
Arizona State University, Bachelor of Science in Civil Engineering

PROFESSIONAL REGISTRATION AND CERTIFICATION

Registered Professional Engineer
Active: Florida, Louisiana, and Nevada
FDOT CTQP Certified Drilled Shaft and Pile Driving Inspector

YEARS IN PRACTICE **28**

SUMMARY OF QUALIFICATIONS

Mr. Archabal has over twenty seven years of geotechnical engineering experience and has practiced in numerous and varied geological regions in the United States and abroad. This includes the State of Florida, other states bordering the Gulf of Mexico, the arid Southwestern region states and numerous Northeastern states. His international geotechnical experience includes major port facilities in the Republic of Panama, Chile and Guatemala and a roadway/bridge project in the Virgin Islands. Mr. Archabal is experienced in all aspects of geotechnical engineering, especially difficult foundations in coastal environments. He has performed hundreds of geotechnical explorations of varied size and scope including transportation related projects for roadways, bridges airports; single story to high rise buildings for residential and commercial developments; earth structures; retaining walls; marinas; port facilities; large diameter storage tanks; underground utilities; and transmission towers. Mr. Archabal has worked on numerous large scale FDOT projects and is well versed with FDOT analysis, design and reporting procedures.

RELEVANT EXPERIENCE

Manzanillo International Terminal, Colon, Republic of Panama
Port of San Vicente, Talachuano, Chile
Jewfish Creek Bridge, Key Largo, Monroe County, Florida
NW 21st Street Bridge, Miami, Florida
State Road 15/U.S. Road 441, Palm Beach County, Florida
I-95 Managed Lanes, Miami, Florida
East Orange Interchange - Orange County, California
Miami International Airport - Miami, Florida
Laughlin/Bullhead Airport, Bullhead City, Arizona
CSX Transportation, Baltimore, Maryland
Marquis Tower, Miami, FL
Various Tall Transmission Tower Structures throughout Florida
Alexander Orr Water Treatment Plant - South Miami, Florida

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE) - Executive Board
Leadership Miami - Greater Miami Chamber of Commerce - Executive Committee
Urban Land Institute

SELECTED LECTURES, PUBLICATIONS, AND PRESENTATIONS

Archabal, R.A. (1989). "Estimation of Pile Load Carrying Capacities in the New Orleans Area." Thesis Presented to Graduate School at University of New Orleans, New Orleans, Louisiana.

Archabal, R.A. (1990). "Estimation of Pile Load Carrying Capacities in the New Orleans Area." Presentation to Engineers Council Joint Professional/Technical Seminar, New Orleans, Louisiana.

Archabal, R.A. and Shah, S.I. (1994). "Installation of Uncased Augercast Piles Through Problematic Soils - Case Histories." Presentation to ASCE Florida Section / South Florida Section Annual Meeting, Ft. Lauderdale, Florida.

EDUCATION

Florida International University – Master of Science in Environmental Engineering
University of Miami – Bachelor of Science in Civil Engineering

PROFESSIONAL REGISTRATION

Licensed Professional Engineer in Florida

YEARS IN PRACTICE **18**

SUMMARY QUALIFICATIONS

Mr. Rodriguez has over 17 years of Civil Engineering experience of which approximately seven years have been as project manager. He has been the primary point of contact for public and private sector clients for projects ranging from Municipal utility improvements, roadway resurfacing and reconstruction, as well as County local and area wide drainage improvements. Mr. Rodriguez has spearheaded the Environmental Resource Permit (ERP) and Corp of Engineer Dredge and Fill permitting efforts on various projects ranging in size from 5 acres to 250 acres. He has also obtained ERP permits for Municipal clients expanding potable water and waste water treatment plants.

RELEVANT EXPERIENCE

- Port Rashid Redevelopment Master Plan
- Los Morros
- Margaret Pace Park Shoreline Stabilization
- Cutler Cay
- Blue Lagoon Lake Fill
- Park Square at Doral
- University Lake Village
- Homestead Air Reserve Base Phase-1 Infrastructure Improvements
- University of Miami Merrick and Memorial Building Water Main Extension
- University Village Phase-II Water Main Extension
- Broward County Government Center Redevelopment Project
- City of Miami Pavement Rehabilitation
- NW 22nd Avenue Water Quality Improvements
- City of Dania Comprehensive Drainage Plan

BRIAN C. RHEULT, P.E.

Vitae

Brian C. Rheault, P.E.

Structural Engineer

Education

B.S. Civil Engineering
Michigan Technological
University, 1982

Professional Registration

Professional Engineer
State of Florida, #38797
State of Michigan, #35925
State of Wisconsin, #26940
State of New York, #77223

Professional Affiliations:

Florida Engineering Society
National Society Professional Engineers
American Society Civil Engineers
Florida Institute Consulting Engineers

BRIDGE DESIGN ASSOCIATES, INC.

1402 Royal Palm Beach Blvd, Bldg. 200, Royal Palm Beach, FL 33411
Tel. (561) 686-3660 Fax (561) 791-1995

CONSULTING ENGINEERS

FLORIDA E.B. NO. 4952

SUMMARY OF QUALIFICATIONS AND EXPERIENCE

Mr. Rheault has over 25 years experience in structural engineering in the South Florida area. He has been responsible for the design, review, inspection, coordination and management of construction projects. Mr. Rheault has been either a Design Engineer or Project Manager for over 100 state and county bridges. He has also provided engineering services in Martin County, Indian River County, Lee County, Jacksonville County and Okeechobee County. He has been Project Manager or Design Engineer in charge of design and inspection of low rise office buildings, pump stations, shopping center and civic structures.

KEY PROJECTS – MARINAS - SEAWALLS

- **Harbour Isles Marina:** New Marina
- **Waterside Pointe Seawall**
- **Palm Harbor Marina**
- **Jupiter Riverwalk Lagoon Walkway**
- **Flagler Downtown Seawall**
- **Connemara / Aquarius Seawall**
- **Jupiter Pointe Marina**
- **The Moorings @ Lantana Marina:**
New Marina
- **Indigo Bay Yacht Club Marina,**
Marathon Key:
- **Old Port Cove Marina:** Rehabilitation
- **Belle Glade Marina**
- **Pahokee Marina**

PROFESSIONAL HISTORY

- 1988 to Present: *President and Chief Designer*, Bridge Design Associates, Inc., Royal Palm Beach, FL.
- 1983-1996: *Structural Designer and Chief Bridge Engineer*, Botkin & Rheault, Inc., West Palm Beach, FL.

Michael D. Avirom, P.L.S.

Project Surveyor



Experience Highlights

*Over 38 years of
land surveying experience*

Education

*Miami-Dade Junior College
Associate in Arts*

*Florida Atlantic University
Bachelor of Business
Administration*

*Palm Beach Junior College
Associate in Science
Land Surveying*

Professional Registrations

*Professional Land Surveyor
Florida*

Professional Affiliations

*Florida Society of Professional
Land Surveyors*

*American Congress on
Surveying and Mapping*

*National Society of Professional
Land Surveyors*

Michael Avirom established Avirom & Associates, Inc. in 1981. Mr. Avirom's surveying expertise in boundary, aerial mapping, topography, jurisdictional wetlands, bathymetric, condominium surveys, expert witness testimony and construction layout distinguish him as a respected professional in the industry.

Project Experience

Anglers Club, Key Largo Boundary, mean high water line, topographic and tree survey for design; condo documents and description for submerged lands and land swaps with Florida Department of Environmental Protection

Village of Palm Springs Route-of-line survey, base mapping of existing utilities above and below ground on over 100 linear feet of roadways for engineer's design, legal descriptions for easement acquisitions

Highland Beach Mapped town limits for the engineering design and construction of underground utilities

City of West Palm Beach Flagler Drive from SE 6th Street to SE 10th Street. Route-of-line survey, base mapping of existing utilities above and below ground for engineer's design. Provided soundings across Intracoastal and prepared submerged land easements for proposed forcemain

City of Boca Raton, Downtown Promenade Base mapping of all existing above ground improvements, utilities, right-of-ways, and easements for engineer's design

Florida Power & Light Company Statewide submerged land easements, obtained platted and sectional monumentation utilizing GPS to prepare approximately 200 survey sketches and legal descriptions for submerged land easements along the entire East Coast of Florida from Miami to Fernandina Beach and the west coast from Tampa south to Naples. Coordinated with divers for the location of underwater cables

Boca Raton Hotel & Beach Club Boundary, topographic and mean high water line surveys, prepared easements and submerged land acquisitions. Provided location of above and below ground utilities for engineering design

Florida Power & Light Company, Levee-Midway 500 kV transmission line survey - 140 mile corridor, survey for right-of-way acquisition, GPS control, legal descriptions, profiles, cross sections and construction layout, St. Lucie, Martin, Palm Beach, Broward, and Dade Counties, Florida

Oceanfront Properties in Boca Raton, Highland Beach, Delray Beach and Hillsboro Beach Boundary, topographic, mean high water line, erosion control line, coastal construction control line surveys and DEP permit surveys



LENI SCHWENDINGER

Principal Designer

Leni Schwendinger is a recognized authority on the many issues and applications of public lighting, art and community outreach, with more than 15 years of experience creating lighting environments for architectural and public spaces all over the world. In addition to creating illuminated environments Leni Schwendinger Light Projects designs lighting products and programs for public spaces. This work is shared through Leni's public speaking engagements and advisory services. Light Projects studio has enjoyed extensive press and media coverage. Leni Schwendinger has lectured and taught widely throughout the United States, Europe and Japan.

SELECTED PROJECTS

NYC Department of Design and Construction

Times Square Reconstruction Project

Lighting design as part of plaza renovation.

New York, NY

NYC Economic Development Corporation

Flatbush Avenue

Streetscape design and guidelines.

Brooklyn, NY

NYC Economic Development Corporation

Queen Plaza, JFK Park

Bicycle and pedestrian improvement project.

Queens, NY

NYC Department of Parks and Recreation

Coney Island Parachute Jump

Animated lighting feature.

Brooklyn, NY

NYC Economic Development Corporation

New Stapleton Waterfront

30+ acres of waterfront development

Staten Island, NY

The Port Authority of NY and NJ

Triple Bridge Gateway

Lighting design and color concepting.

Manhattan, New York City, NY USA

NYC Economic Development Corporation

St. George Ferry Station

Ferry and inter-modal transportation center.

Staten Island, New York

NYC Department of Design and Construction

Pedestrian Bridges

Lighting design for reconstruction of bridges.

New York, NY

NYC Department of Design and Construction

City Lights Streetlight Design

Peer Review.

New York, NY

PREM KRISHNAMURTHY

FOUNDING PRINCIPAL, PROJECT PROJECTS

EXPERIENCE

- 2004 – Project Projects, New York, NY
2003 New York Times Magazine, New York, NY
2000–2002 Leonardi.Wollein, Berlin, Germany

EDUCATION

- 1999–2000 Fulbright Fellow, HTW Dresden & Technical University Dresden, Germany
1999 Yale University, Bachelor of Arts
1997 Free University, Berlin, Germany

SELECTED HONORS AND AWARDS

- 2009 Finalist in Communication Design, Cooper-Hewitt National Design Awards
AIGA 50 Books / 50 Covers Award
Merit Award, Society of Publication Designers
2007 Design Distinction, 53rd Annual Design Review
2006 Young Guns 5 Award, Art Directors Club
2004 Print New Visual Artists Award
2003 Merit Awards (2), Society of Publication Designers
AIGA 365 Award
2002 Second Place, Museumsinsel Internation Identity & Signage Competition

ACADEMIC EXPERIENCE

- 2008 – Rhode Island School of Design, Graduate Department of Graphic Design
2006–2007 Parsons The New School for Design
2004–2006 University of Connecticut

WORKSHOPS AND LECTURES

- 2009 University of the Arts, Bremen
Garanti Gallery–Platform Garanti, Istanbul, Turkey
Jan van Eyck Akademie
2008 Rhode Island School of Design, Graduate Program
Walker Art Center
ArtEZ Academie Arnhem, Holland
2007 Bauhaus University Weimar

SELECTED BIBLIOGRAPHY

- 2009 “500 Words: Project Projects.” *Artforum.com* (November 6, 2009)
Wolff, Laetitia. “En garde, l’avant garde.” *étapes* (#170, July 2009)
Schuessler, Jennifer. “Next!” *New York Times.com* (June 10, 2009)
Hromack, Sarah. “Election Fever.” *Flash Art International* (#264, January–February 2009)
2008 Da Costa, Damian. “MoMA Pays the Bills With Big Van Gogh; Calder and Miró Show, Too.” *The New York Observer* (September 23, 2008)
Crowley, David. “Designing dictatorship.” *Eye* (69, Autumn 2008)
Benfey, Christopher. “Designing Dictators.” *The New York Times Sunday Book Review* (August 3, 2008)

Addenda

**SWORN STATEMENT UNDER SECTION 287.133(3)(a)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid, Bid or Contract No. 11-004 for
PROFESSIONAL LANDSCAPE ARCHITECTURAL/ENGINEERING/ARCHITECTURAL/LAND SURVEYOR
SERVICES FOR TRUMAN WATERFRONT UPLAND DESIGN AND CONSTRUCTION ADMINISTRATION

2. This sworn statement is submitted by MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
(Name of entity submitting sworn statement)

whose business address is 231 CONCORD AVE. CAMBRIDGE, MASSACHUSETTS 02138
and (if applicable) its Federal
Employer Identification Number (FEIN) is 04-3103807 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is LAURA SOLANO and my relationship to
(Please print name of individual signing)

the entity named above is PRINCIPAL.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

1. A predecessor or successor of a person convicted of a public entity crime: or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural

person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

Anna J. [Signature]
(Signature)
24 June 2011
(Date)

STATE OF MASSACHUSETTS

COUNTY OF MIDDLESEX

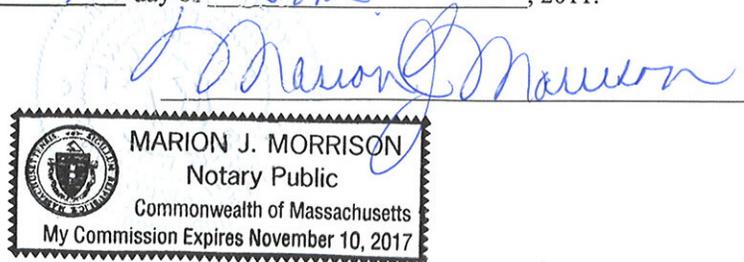
LOURD SOLANO

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

MARION MORRISON who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 24th day of June, 2011.

My commission expires:
NOTARY PUBLIC



ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF MONROE)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the LRA of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

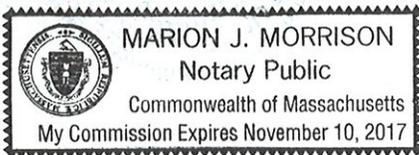
By: *Laura Solano*

Sworn and subscribed before me this

24 day of June, 2011,

Marion J. Morrison
NOTARY PUBLIC, Commonwealth of Massachusetts

My Commission Expires: 11/10/17





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
5/12/2011

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ames and Gough 859 Willard Street Suite 320 Quincy MA 02169	CONTACT NAME: Michele Callahan		
	PHONE (A/C, No, Ext): (617) 328-6555	FAX (A/C, No): (617) 328-6888	
	E-MAIL ADDRESS: mcallahan@amesgough.com		
	PRODUCER CUSTOMER ID #: 00000024		
INSURED Michael Van Valkenburgh Associates, Inc. 231 Concord Street Cambridge MA 02138	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Travelers Property Casualty		25674
	INSURER B: Travelers Indemnity Company		
	INSURER C: St. Paul Fire and Marine		
	INSURER D: Travelers Indemnity Company of		
	INSURER E: Continental Casualty Company		20443
	INSURER F:		

COVERAGES CERTIFICATE NUMBER: CL1151211750 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY		6804372L817	8/19/2010	8/19/2011	EACH OCCURRENCE \$ 1,000,000	
	<input type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000	
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5,000	
						PERSONAL & ADV INJURY \$ 1,000,000	
						GENERAL AGGREGATE \$ 2,000,000	
						PRODUCTS - COMP/OP AGG \$ 2,000,000	
GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							
B	AUTOMOBILE LIABILITY		BA-4372L203	8/19/2010	8/19/2011	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000	
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$	
	<input type="checkbox"/> ALL OWNED AUTOS					BODILY INJURY (Per accident) \$	
	<input type="checkbox"/> SCHEDULED AUTOS					PROPERTY DAMAGE (Per accident) \$	
	<input checked="" type="checkbox"/> HIRED AUTOS					Uninsured motorist combined \$	
	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PIP-Basic \$ 8,000	
C	<input checked="" type="checkbox"/> UMBRELLA LIAB	<input type="checkbox"/> OCCUR	QK06502954	8/19/2010	8/19/2011	EACH OCCURRENCE \$ 2,000,000	
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				AGGREGATE \$ 2,000,000	
	DEDUCTIBLE						\$
	<input checked="" type="checkbox"/> RETENTION \$ 10,000					\$	
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		UB3121T732-09	05/01/2011	05/01/2012	WC STATU-TORY LIMITS OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y/N				E.L. EACH ACCIDENT \$ 1,000,000	
	If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				E.L. DISEASE - EA EMPLOYEE \$ 1,000,000	
						E.L. DISEASE - POLICY LIMIT \$ 1,000,000	
E	PROFESSIONAL LIABILITY		LAH 27-616-45-55	12/5/2010	12/5/2011	PER CLAIM 2,000,000	
						AGGREGATE 2,000,000	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
* For Proposal Only *

CERTIFICATE HOLDER

CANCELLATION

For Proposal Only	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Brett Gough/BOSTON

ACORD 25 (2009/09)
INS025 (200909)

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June 7, 2011

FLORIDA DEPARTMENT OF STATE

Division of Corporations

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
231 CONCORD AVE
CAMBRIDGE, MA 02138

Qualification documents for MICHAEL VAN VALKENBURGH ASSOCIATES, INC. were filed on June 6, 2011 and assigned document number F11000002354. Please refer to this number whenever corresponding with this office.

Your corporation is now authorized to transact business in Florida.

This document was electronically received and filed under FAX audit number H11000149039.

To maintain "active" status with the Division of Corporations, an annual report must be filed yearly between January 1st and May 1st beginning in the year following the file date or effective date indicated above. If the annual report is not filed by May 1st, a \$400 late fee will be added.

A Federal Employer Identification Number (FEI/EIN) will be required when this report is filed. Contact the IRS at 1-800-829-4933 for an SS-4 form or go to www.irs.gov. Please notify this office if the corporate address changes.

Should you have any questions regarding this matter, please contact this office at (850) 245-6928.

Tim Burch
Regulatory Specialist II
New Filing Section
Division of Corporations

Letter Number: 111A00013833

P.O BOX 6327 - Tallahassee, Florida 32314

LANDSCAPE ARCHITECTURE LICENSE

AC# 4581200

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L09091101745

DATE	BATCH NUMBER	LICENSE NBR
09/11/2009	090136620	LC0000258

The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2011

RAYMOND JUNGLES, INC
242 SW 5TH ST 2ND FLOOR
MIAMI FL 33130

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

STATE OF FLORIDA AC# 4581200
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

LC0000258 09/11/09 090136620

LANDSCAPE ARCHITECT BUSINESS
RAYMOND JUNGLES, INC

HAS REGISTERED under the provisions of Ch.481
Expiration date: NOV 30, 2011 L09091101745

STATE OF FLORIDA AC# 4713016
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

LA0000856 11/06/09 090136621

REGISTERED LANDSCAPE ARCHITECT
JUNGLES, RAYMOND LEE

HAS REGISTERED under the provisions of Ch.481
Expiration date: NOV 30, 2011 L09110601299

AC# 4713016

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

SEQ# L09110601299

DATE	BATCH NUMBER	LICENSE NBR
11/06/2009	090136621	LA0000856

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2011

JUNGLES, RAYMOND LEE
242 S.W. 5TH STREET
MIAMI FL 33130

CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

CHARLES W. DRAGO
SECRETARY

ARCHITECTURE LICENSE

AC# **5477800** STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF ARCHITECTURE & INTERIOR DESIGN SEQ# L11022801696

DATE	BATCH NUMBER	LICENSE NBR
02/28/2011	107052614	AR0015978

The ARCHITECT
Named below IS LICENSED
Under the provisions of Chapter 481 FS.
Expiration date: FEB 28, 2013

MORI, TOSHIKO
199 LAFAYETTE STREET, SUITE 5A
NEW YORK NY 10012

RICK SCOTT
GOVERNOR

CHARLIE LIEM
SECRETARY

DISPLAY AS REQUIRED BY LAW

SURVEYOR LICENSE

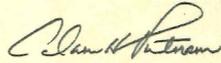


Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB3300**
Expiration Date: February 28, 2013

Professional Surveyor and Mapper Business License
Under the provisions of Chapter 472, Florida Statutes

AVIROM & ASSOCIATES INC
50 SW 2ND AVE #102
BOCA RATON, FL 33432-4799


ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

State of Florida

Board of Professional Engineers

Bridge Design Associates, Inc.



Is authorized under the provisions of Section 471.01, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Certificate of Authorization

EXPIRATION: 2/28/2013

AUDIT NO: 228201300206

CA. LIC. NO:

4952

MICHAEL VAN VALKENBURGH ASSOCIATES, INC.
LANDSCAPE ARCHITECTS, PC

231 Concord Avenue
Cambridge, Massachusetts 02138
t. 617.864.2076
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