CITY OF MADISON, WI

LAKE MONONA WATERFRONT DESIGN CHALLENGE RFQ #10082

W-ARCHITECTURE.COM
374 FULTON STREET | FLOORS 3 + 4 | BROOKLYN, NY 11201
212 981 3933

ST PATRICK’S ISLAND, CALGARY, CANADA

TABLE OF CONTENTS

Form A: Signature Affidavit

RFQ #:10082-0-2022-BP

This form must be returned with your response.

In signing Proposals, we certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise take any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit Proposals, that Proposals have been independently arrived at, without collusion with any other Proposers, competitor or potential competitor; that Proposals have not been knowingly disclosed prior to the opening of Proposals to any other Proposers or competitor; that the above statement is accurate under penalty of perjury.

The undersigned, submitting this Proposals, hereby agrees with all the terms, conditions, and specifications required by the City in this Request for Proposals, declares that the attached Proposals and pricing are in conformity therewith, and attests to the truthfulness of all submissions in response to this solicitation.

Proposers shall provide the information requested below. Include the legal name of the Proposers and signature of the person(s) legally authorized to bind the Proposers to a contract.

W Architecture & Landscape Architecture

COMPANY NAME

SIGNATURE

04/28/2022

DATE

Barbara Wilks

PRINT NAME OF PERSON SIGNING

Form B: Receipt of Forms and Submittal Checklist

RFP #:10082-0-2022-BP

This form must be returned with your response.

Proposers hereby acknowledge the receipt and/or submittal of the following forms:

Forms	Initial to Acknowledge SUBMITTAL	Initial to Acknowledge RECEIPT
RFQ Description of Services/Commodities	N/A	BW
Form A: Signature Affidavit	BW	BW
Form B: Receipt of Forms and Submittal Checklist	BW	BW
Form C: Proposer Profile	BW	BW
Form D: Fee Proposal	N/A	N/A
Form E: References	BW	BW
Appendix A: Standard Terms & Conditions	N/A	BW
Appendix B: Contract for Purchase of Services	N/A	BW
Addendum # 1	N/A	BW
Addendum #	N/A	
Addendum #	N/A	
Addendum #	N/A	

VENDOR NAME

W Architecture & Landscape Architecture

COMPANY NAME

Form C: Proposer Profile

RFQ #:10082-0-2022-BP

This form must be returned with your response.

COMPANY INFORMATION

COMPANY NAME (Make sure to use your complete, legal company name.) W Architecture and Landscape Architecture			
FEIN	(If FEIN is not applicable, SSN collected upon award)		
CONTACT NAME (Able to answer questions about proposal.) Barbara Wilks	TITLE Principal		
TELEPHONE NUMBER 212-981-3933	FAX NUMBER		
EMAIL bwilks@w-architecture.com			
ADDRESS 374 Fulton St, Third Floor	CITY Brooklyn	STATE NY	ZIP 11201

AFFIRMATIVE ACTION CONTACT

The successful Contractor, who employs more than 15 employees and whose aggregate annual business with the City for the calendar year, in which the contract takes effect, is more than twenty-five thousand dollars ($25,000), will be required to comply with the City of Madison Affirmative Action Ordinance, Section 39.02(9) within thirty (30) days of award of contract.

CONTACT NAME Laquita Birch	TITLE Business Manager		
TELEPHONE NUMBER 212-981-3933	FAX NUMBER		
EMAIL lbirch@w-architecture.com			
ADDRESS 374 Fulton St, Third Floor	CITY Brooklyn	STATE NY	ZIP 11201

ORDERS/BILLING CONTACT

Address where City purchase orders/contracts are to be mailed and person the department contacts concerning orders and billing.

CONTACT NAME Laquita Birch	TITLE Business Manager		
TELEPHONE NUMBER 212-981-3933	FAX NUMBER		
EMAIL lbirch@w-architecture.com			
ADDRESS 374 Fulton St, Third Floor	CITY Brooklyn	STATE NY	ZIP 11201

LOCAL VENDOR STATUS

The City of Madison has adopted a local preference purchasing policy granting a scoring preference to local suppliers. Only suppliers registered as of the bid's due date will receive preference. Learn more and register at the City of Madison website.

CHECK ONLY ONE:

☐ **Yes,** we are a local vendor ***and*** have registered on the City of Madison website under the following category:_____ www.cityofmadison.com/business/localPurchasing

☒ **No,** we are not a local vendor or have not registered.

Form E: Proposer References

RFQ #:10082-0-2022-BP

This form must be returned with your response.

For Proposer: Provide company name, address, contact person and information on up to five (5) or more master plan projects with scope and requirements similar to the Lake Monona Waterfront.

REFERENCE #1 – CLIENT INFORMATION			
COMPANY NAME Engineering and Capital Improvements, St. Petersburg, FL	CONTACT NAME Raul Quitana, AIA		
ADDRESS One 4th St N, MSC – 7th floor,	CITY St. Petersburg	STATE FL	ZIP 33701
TELEPHONE NUMBER 727 893 7913	FAX NUMBER		
EMAIL			
CONTRACT PERIOD 2015-2020	YEAR COMPLETED 2020	TOTAL COST $13.5 million	
DESCRIPTION OF THE PERFORMED WORK Landscape architect and prime contractor from planning to implementation for a 20 acre waterfront park between downtown St. Petersburg and the pier. Coordinated with all city agencies for all approvals and transportation improvements to transform vehicular area for pedestrians. Award winning landscape.			

REFERENCE #2 – CLIENT INFORMATION			
COMPANY NAME Douglaston Development	CONTACT NAME Michael Kaye		
ADDRESS 7 Penn Plaza, Suite 600	CITY 7 Penn Plaza, Suite 600	STATE NY	ZIP 10001
TELEPHONE NUMBER 718 281 0550 x315	FAX NUMBER		
EMAIL mkaye@douglaston.com			
CONTRACT PERIOD 2006-2019	YEAR COMPLETED PH1 2009 / PH2 2019	TOTAL COST $20 Million	
DESCRIPTION OF THE PERFORMED WORK Landscape Master Plan, WAP approvals Waterfront Park: Lead Designer and Landscape Architect; Coordinate all approvals, engineers, WAP, artists, etc.; Create construction documents and supervise construction Award winning narrow landscape, partially on deck			

W Architecture and Landscape Architecture

COMPANY NAME

Form E: References

RFP #:10082-0-2022-BP

REFERENCE #3 – CLIENT INFORMATION			
COMPANY NAME NYC Economic Development Corporation	CONTACT NAME Len Greco		
ADDRESS 110 William St.	CITY New York	STATE NY	ZIP 10038
TELEPHONE NUMBER 212-312-3890	FAX NUMBER		
EMAIL lgreco@nycedc.com			
CONTRACT PERIOD 2001-2009	YEAR COMPLETED 2009	TOTAL COST $16 Million	
DESCRIPTION OF THE PERFORMED WORK Prime firm responsible for 40 block master plan, landscape design of the waterfront park and adjacent street reconfiguration, new piers, and community engagement. Transformed very narrow landscape into a much loved community gathering space.			

REFERENCE #4 – CLIENT INFORMATION			
COMPANY NAME Western New York Land Conservancy	CONTACT NAME Nancy Smith		
ADDRESS PO Box 471	CITY East Aurora	STATE NY	ZIP 14052
TELEPHONE NUMBER 716-687-1225	FAX NUMBER		
EMAIL nancyrs@wynlc.org			
CONTRACT PERIOD 2021	YEAR COMPLETED 2021	TOTAL COST 50-75 million	
DESCRIPTION OF THE PERFORMED WORK Prime Consultant responsible for landscape architecture, urban planning & design for 1.5 mile linear park. Connections to ___ and neighborhood ecological design, providing new activites with community input. Award winning proposal.			

W Architecture and Landscape Architecture

COMPANY NAME

Form E: References

RFP #:10082-0-2022-BP

REFERENCE #5 – CLIENT INFORMATION			
COMPANY NAME City of Detroit Planning and Development Department	CONTACT NAME Allen Penniman		
ADDRESS 2 Woodward Ave, Suite 808	CITY Detroit	STATE MI	ZIP 48226
TELEPHONE NUMBER 313 224 1332	FAX NUMBER		
EMAIL pennimana@detroitmi.gov			
CONTRACT PERIOD 2019	YEAR COMPLETED 2019	TOTAL COST	
DESCRIPTION OF THE PERFORMED WORK Framework plan for Jefferson Chalmers- A 1214 acre waterfront nieghborhood. The plan included communituy engagement and plans for stormwater management, improved water's edge conditions and park entries among other issues.			

W Architecture and Landscape Architecture

COMPANY NAME

SECTION 01
QUALIFICATIONS AND CAPACITY TO DO WORK

ST PATRICK'S ISLAND, CALGARY, CANADA | W ARCHITECTURE & LANDSCAPE ARCHITECTURE

LETTER OF INTEREST & DESIGN PHILOSOPHY

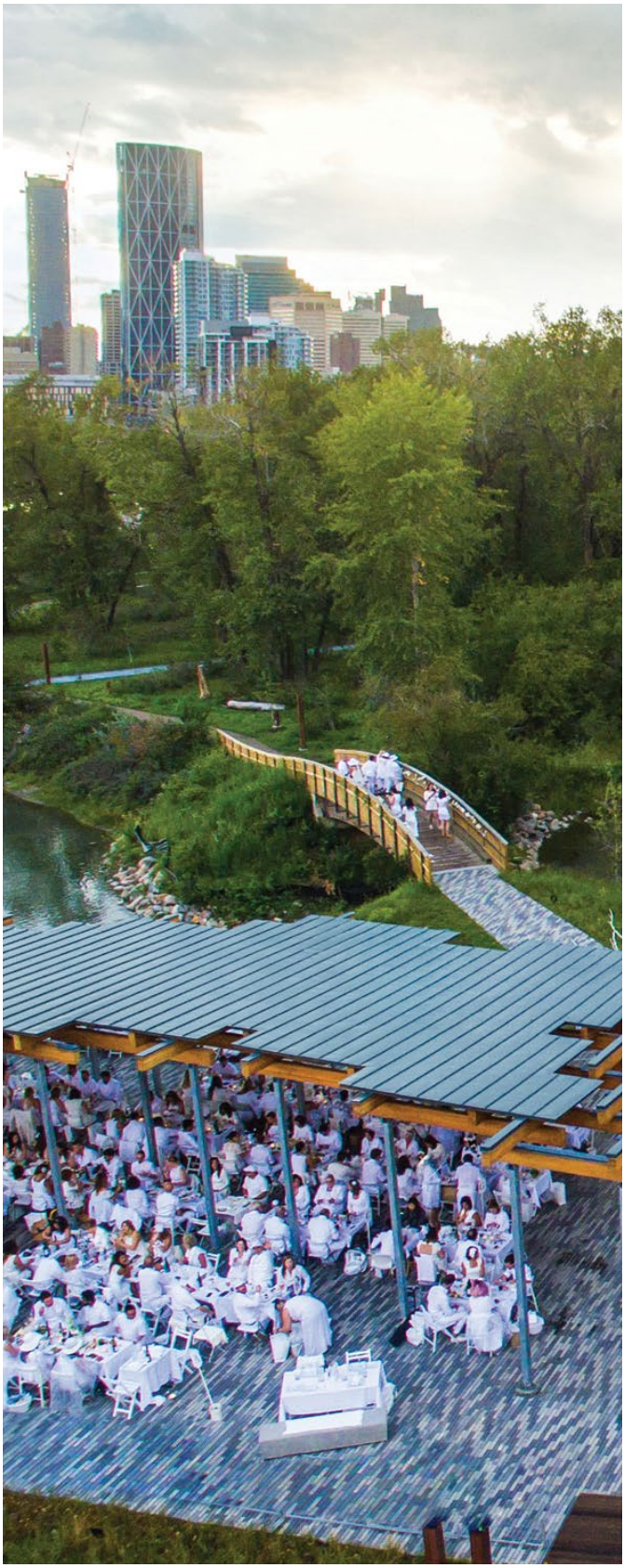
W is an interdisciplinary woman-owned studio founded in 1999, which builds on links between architecture and landscape architecture to create spaces that engage people in nature. We are interested in making places authentic and unique by amplifying what exists in ways to make them more dramatic, welcoming and accessible for all.

While our work includes public spaces, private developments, streetscapes, regional plans, educational campuses, urban infrastructure, and entire urban neighborhoods, all around the world, our particular focus has been urban waterfronts: we have worked on more than 50 in the US alone, from New York to St. Petersburg to Baltimore. We have transformed some from former industrial grounds into sustainable parks, reconnected others into their urban fabric, or inserted new infrastructural public spaces along an existing network, among many design approaches. The conditions of a site are always unique, but in each design, we seek the same things: to engage the visitors and connect the places to the city's natural and cultural history. This philosophy has resulted in many national design awards in landscape architecture and urban and regional design for our projects, as well as their reviews by newspapers and magazines around the world and their many posts on social media. With that said, the best testament to this success are the dozens of memorable places we've helped create that have become cherished destinations for residents and visitors alike and catalyzed mixed-use developments.

The breadth of scales and typologies in our experience gives us perspective to address the opportunities and issues of your Lake Monona Waterfront—urban, economic, educational, transportation, social, water- and landscape-related. The Lake Monona Waterfront is presently a string of disconnected parts along the isthmus, lacking continuity and identity. This plan will create a waterfront that connects Downtown and the rest of Madison to Lake Monona and creates a memorable series of spaces inviting to all. It will celebrate the multiple histories of the area, from the Ho-Chunk nation to Frank Lloyd Wright, and help improve the shoreline, aquatic habitat, and water quality. From the existing single purpose spaces, facilities and infrastructure, we will create multi-functioning and welcoming places where even more pedestrians and bicyclists can move to and gather, where water can be celebrated and cleaned, and where all feel at home—knitted together in a clear and powerful way to unite the city, the lake, and the region.

CREATE A LIVING ACCESSIBLE LANDSCAPE—LINKED TO A HEALTHY AND SUSTAINABLE DOWNTOWN.

An important component of success for the Lake Monona Waterfront necessitates an attitude towards a more sustainable city– for all communities, economies, and species. The challenge here is to unleash the drama of the isthmus, and to anchor it forcefully into the community and the downtown, creating excitement, access and unique and connected open spaces with amenities people want and will seek out. Our recent park in St Petersburg, Florida does just that. We linked together the downtown and the pier across a former car-oriented no man's land through the creation of a linked series of experiences and events that encouraged people to explore. Our successful park links family destinations, restaurants and a marketplace with the waterfront while a series of storm water management bioswales and ponds creates a green and inviting destination park. Swirling pathways take you on a journey through native and ornamental ecologies where you can pause and listen and watch the birds or the floating sculpture above the central lawn or continue on to other destinations in this green heart. And importantly, this area of gardens we called the Family Park is an attractor for locals as well as tourists. Family activities attract residents, helping to ensure the great amenities serves residents and tourists alike. Similarly, our award-winning St. Patrick's Island design was specifically commissioned to attract families to a new area of downtown Calgary and was an immediate success. The Lake Monona Waterfront will help Downtown Madison reposition itself as an exciting, healthy and green place where all are welcome to live, work or visit.



In our planning process as architects, we also think about linking our park buildings to the landscape as in our citywide and neighborhood park in Tampa, where our RiverCenter's boathouse roof sheds water into an adjacent bioswale which visitors cross over as they enter the building. The bioswale slows and cleans the water before it enters the Hillsborough River. Or at St Patrick's Island, with a green roof on our maintenance and restroom building. Or at St. Petersburg, Florida where all runoff is retained and cleaned before it enters Tampa Bay. Finding ways to incorporate these features helps improve water quality as well as create more diverse habitat and experiences.

We have included an ecologist, Steven Handel, on our team to help us improve water quality and aquatic habitat. Steven worked with us in Calgary to create new wetlands for our park there and also on The Riverline in Buffalo, New York to integrate a more native plant palette as well as storm water management as sustainable infrastructure. Improved water's edge conditions- including in water- will help improve water quality and filter water before it reaches the lake.

REBALANCE TRANSPORTATION MODES

Many of our project areas start like this one, with a strong vehicular orientation. We often convert streets into pedestrian areas, reconfigure the street to add pedestrian and bicycle facilities, or modify the street pattern to assist in connectivity and improve the street network. Where feasible, we often put our projects on "road diets" to create better opportunities for pedestrians and bicyclists. At West Harlem Piers Park we narrowed roadways to reclaim spaces for people and bicycles. Similarly in St. Petersburg, we tamed a vehicular street to integrate pedestrians. We have also worked with various transportation agencies to redesign roadways which are not in parks, to promote pedestrian and bicycle access, and add vegetation and shade. Along Hudson Street in Manhattan, we went beyond street trees to add understory trees and shrubs as well, creating a more lush streetscape and bike trail on a busy city street. In Far Rockaway in Queens, we

tamed a downtown street network, rebalancing the public transportation network to find more pedestrian space and make safer crossings and intersections for pedestrians.

In addition, we will be working with KL Engineering who are familiar with this area, and the John Dolan Drive in particular, as well as the local regulatory agencies, as well as local planning and practices.

A DESIGN THAT PROVIDES VALUE

The design will build on existing opportunities to create a place that grows from what exists and generates new interest, culturally, ecologically, and economically. Value comes from using existing opportunities and dramatizing them to make them special, like the across-river view to Manhattan at The Edge (our waterfront park in Brooklyn) where we created a new angled pier in axial relationship to the Empire State Building, creating an instant Instagram opportunity and hangout. Value also comes from making places that function in multiple ways, for multiple communities, and throughout the day and the year, like our large gathering space at St. Pete Pier, which is populated by different groups at different times of the day and has become the city's new heart. Or our slim but well-loved park in West Harlem, reclaimed from the riverfront infrastructure there to provide that community with river access. Similarly, we want to reconnect Madison to one of its signature lakefronts in a way that makes each part of the Lake Monona Waterfront special.

Another way of providing value is the way we help during the design process to create "the project". Where is money best spent to have impact, where can we save money? Our leadership in project design and budgeting insures an implementable and sustainable catalyst for the downtown.

MAINTENANCE AND STEWARDSHIP

Early consideration of maintenance and stewardship will extend the design into the long term. People need to feel that a park is "theirs". Stewardship, pride and

resiliency are built not only from the human stories of the landscape, but also the ecological stories. It is important to engage the surrounding neighborhoods and communities in their understanding and find confluence between the physical and the cultural so that a sense of understanding, ownership and stewardship are embedded in the project.

The reimagined Lake Monona Waterfront will be composed of a choreographed set of dynamic and fixed landscapes that must seem continuous and integrated, despite the possibility for various maintenance partners. Coordinating and determining these agreements will be integrated with the design process so that the public perception of the project is of a single contiguous place and experience. This was our charge in St Pete, where divisions between disparate projects have disappeared. Also, our many projects along the New York waterfront connect with others built at different times, but with some key components being similar. We design with this connectivity and coordinated maintenance in mind, and we also seek areas where small-scale, revenue-generating interventions could be located, to help with the financial costs of maintaining and operating.

We believe this reimagining of the Lake Monona Waterfront must embrace its historic relationship to the water while also creating a new one. The design can celebrate the waterfront with a new living landscape, along existing and new buildings, over and through streets, and by the water. Its design will be informed from combining the latent opportunities of the site's natural beauty, the views, urban relationships, and its layers of heritage, with the choreography of community needs and desires.

PROJECT TEAM

The team will be led by **W Architecture and Landscape Architecture** with **MIG**. As an architect and landscape architect, Barbara will lead the team's design vision and be supported by project manager Chieh Huang. Jay Renkens will provide planning and multi-disciplinary expertise supported by civil engineer Nathaniel Riedy and ADA Accessibility expert Heather Buczek. The team will include local Wisconsin consultants, KL Engineering, whose specific skills as well as an awareness of local codes and practices complement W and MIG's overall design and leadership skills. W has worked with Green Shield Ecology on several projects and is confident that the firm will provide vital ecological restoration expertise on this project. MIG shares an office with W in Brooklyn so coordination with be seamless.

W is an award-winning woman-owned studio founded in 1999, which builds on links between architecture and landscape architecture to create resilient places that engage both nature and urbanism. W is organized around the commitment of Principal Barbara Wilks to quality design and active participation in the firm's projects. With over 45 years' experience, she believes that effective leadership on complex projects requires vision, a collaborative and talented team, effective communication, and persistent commitment to finding solutions to project goals and aspirations. W has designed major projects in New York, Brooklyn, Detroit, Baltimore, St. Petersburg, Tampa, and in Calgary, Canada, working for governments or public/private agencies and engaging community groups. W is a certified DBE business and a WBE business in NY.

MIG Inc., improves, adapts, and creates organizations, environments, and tools for human development. They are a community of designers, planners, engineers, scientists, and storytellers who engage people in creative problem-solving and collective action. For nearly four decades, MIG has served public and private clients of every size and jurisdiction—from cities, counties and special districts to regulatory agencies and developers—as a full-service planning and design firm. Our multidisciplinary staff has the background and experience to prepare plans and design documents for a wide variety of projects, including site-specific infrastructure, residential, institutional, mixed-use and transit-oriented developments; downtowns and streetscapes; and broader policy initiatives like specific, general and regional plans, as well as open space and river corridor plans.

KL Engineering will work with the team to provide transportation planning for multi-modal paths and bridge structures, including concept planning, feasibility studies, alternative analysis and permitting. The KL team understands the importance of multi-modal connectivity. KL strives to provide safe, convenient, and accessible connections for multi-modal users. The team has worked on concepts, evaluated feasibility, and completed alternative analysis with an equity lens while respecting previous planning efforts and public feedback.

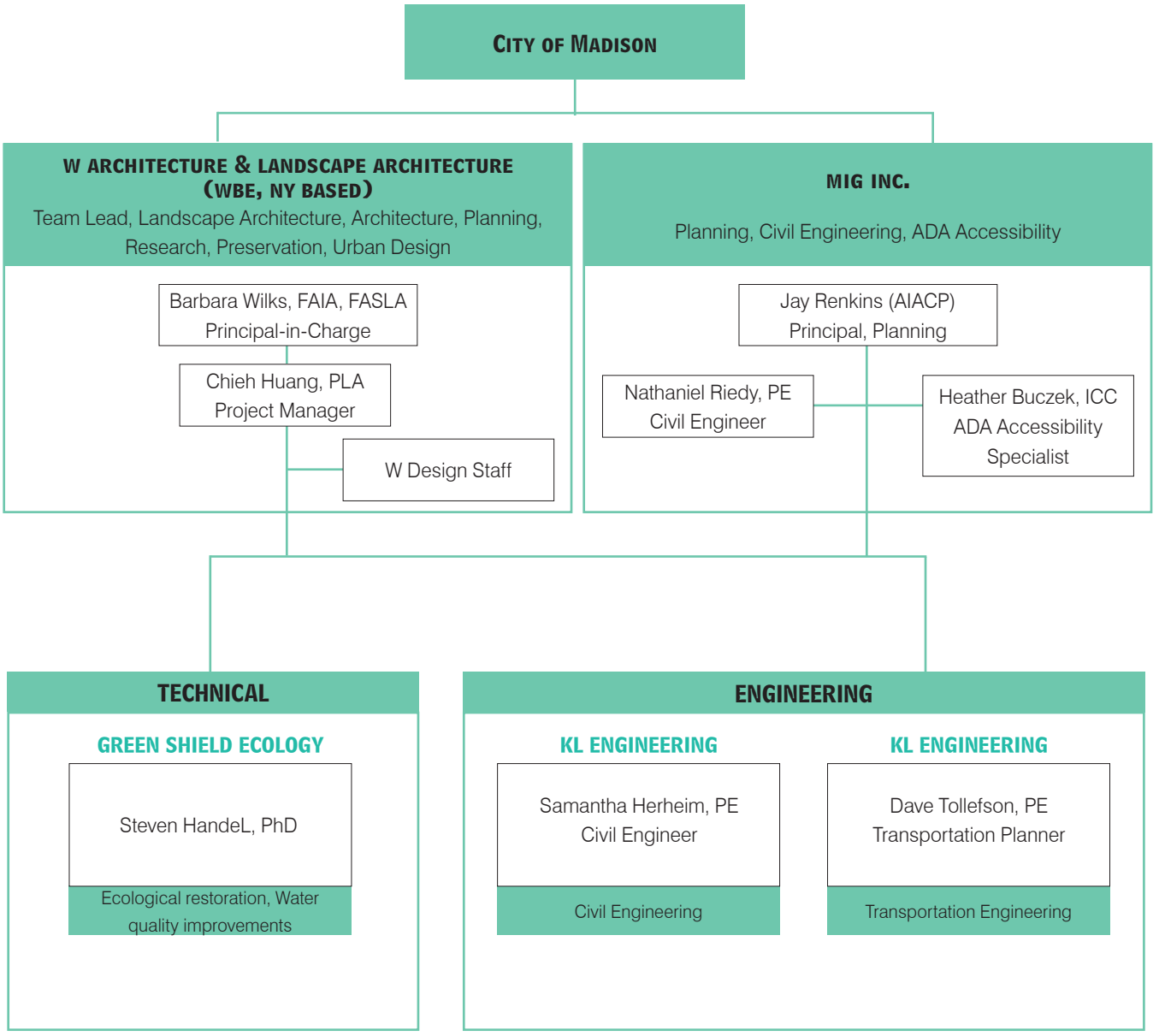
Green Shield Ecology, led by Steven Handel will provide expert consulting on in-water, water edge and upland treatments that will improve water quality. Steven Handel understands the criticality of the water's edge within freshwater ecosystems and will use his decades of experience to ensure a diverse shoreline that supports access for people as well as a sustainable, biodiverse habitat for non-human species.

50%
Est. WBE participation

50+
Waterfront projects

100+
Design awards won

Diverse
Team of international talents & local knowledge


CITY OF MADISON
W ARCHITECTURE & LANDSCAPE ARCHITECTURE (WBE, NY BASED)
Team Lead, Landscape Architecture, Architecture, Planning, Research, Preservation, Urban Design
Barbara Wilks, FAIA, FASLA
Principal-in-Charge
Chieh Huang, PLA
Project Manager
W Design Staff
MIG INC.
Planning, Civil Engineering, ADA Accessibility
Jay Renkins (AICP)
Principal, Planning
Nathaniel Riedy, PE
Civil Engineer
Heather Buczek, ICC
ADA Accessibility
Specialist
TECHNICAL
GREEN SHIELD ECOLOGY
Steven HandeL, PhD
Ecological restoration, Water quality improvements
ENGINEERING
KL ENGINEERING
Samantha Herheim, PE
Civil Engineer
Civil Engineering
KL ENGINEERING
Dave Tollefson, PE
Transportation Planner
Transportation Engineering

BARBARA WILKS

FASLA, FAIA
Lead Designer, Architect,
Landscape Architect
Experience: 46 years
W Architecture & Landscape Architecture

Barbara Wilks, principal and founder of W Architecture and Landscape Architecture, is a leader in the field of design. Beginning her career as an architect and obtaining prominence for her design skills, she soon realized that her interests in public space linked with the profession of landscape architecture. Now as an architect and landscape architect, Barbara uses her leadership skills to realign nature and communities.

Barbara has won many awards for her work, most of which involve the design of waterfronts, coastal and riparian landscapesShe balances activities for people with ecological concerns. Her projects range in scale from urban plans, to public spaces, to infrastructure, to architecture. In addition to opening her projects for participation, during the design process Barbara continues the spirit of inclusion to the surrounding communities and government agencies. The work reflects her leadership skills in the resulting synthesis of these multiple inputs to create a comprehensive connection between the fundamental ecology of the site, its historical and cultural legacy, and its current iteration.

Wilks serves on the Design Trust for Public Space, the Van Alen Climate Council, the McHarg Center at the University of Pennsylvania, the Planning Committee of the Municipal Art Society, NYC, and the Board of Pyramid Hill Sculpture Park.

Relevant Waterfront Projects:
Barbara has worked on over 50 waterfronts including:
St. Patrick's Island, Calgary, AB - 30 acre park
St. Petersburg Pier Approach, St. Petersburg, FL - 25 acre park
The Riverline, Buffalo, NY - 1.5 mile park
The River Learning Center, St, Paul, MN - 25 acre park
The Edge, Brooklyn, NY - waterfront and piers
West Harlem Piers, New York, NY - waterfront and piers
Tide Point, Baltimore, MD - 13 acre campus
JB Lane Park, Tampa, Fl - 30 acre park
Shoelace Park (Bronx River Greenway), Bronx, NY

CHIEH HUANG

PLA
Associate, Landscape Architect
Experience: 7 years

W Architecture & Landscape Architecture

Chieh Huang is an urban and landscape designer at W Architecture and Landscape Architecture. At W, Chieh has been involved in managing and designing various public projects ranging from urban waterfronts and parks, to streetscapes and plazas, most of which require closely working with local communities. He is also experienced in working with public clients including the NYC Economic Development Corporation, Department of Transportation, Department of Design and Construction, and New York City Parks and often public clients outside of NYC.

Relevant Projects:
Plaza 33, New York, NY
Port Authority Bus Terminal Competition, New York, NY
Wagner Park Resiliency Assessment*, New York, NY
Westport Library & Riverfront Landscape*, Westport, CT
Sunset Park Infrastructure & Greenway*. Brooklyn, NY
Shoelace Park (Bronx River Greenway), Bronx, NY
Rochester West River Wall Landscape*. Rochester, NY
The River Learning Center, St. Paul, MN (25 acre park)
Far Rockaway Downtown Streetscape and Plazas, Queens, NY

JAY RENKINS

AICP
Principal, Director of Urban Planning and Design
Experience: 18 years
MIG

Jay Renkens is a planning and design leader with national experience in downtowns, parks and open space, streetscapes, land use, and mixed use places. While researching health and motivational theory, he was struck by the significant influence that the environment has on people's choices and behavior, and he has sought to shape environments for the better ever since. Although his original studies are behind him, they still form the lens that Jay uses in taking a holistic approach to optimizing social, economic, and physical wellness for the greatest number of people. He strives to integrate equity into planning and design and to address the unintended consequences of gentrification such as displacement and the losses of culture and authenticity. Jay can distill concepts and articulate complex ideas in written, verbal, and visual communications that provide a common foundation for decision-making. He has successfully led projects from high-level vision to implementation by facilitating client, community, and stakeholder collaboration, consensus, and engagement. Jay's management, design, and planning skills have contributed to transformational change in communities throughout the country from Boston to San Antonio, Portland to Charlotte, and Spokane to Denver.

Relevant Projects:

Downtown Madison, Inc. Strategic Plan, Madison, WI

Denver Downtown Area Plan, Denver, CO

Colorado Springs Downtown Master Plan, Colorado Springs, CO

Downtown Area Plan Midpoint Review and Priorities, Denver, CO

North Tryon Vision and Implementation Plan, Charlotte, NC

Blueprint Denver Update, Denver, CO

Rathbun Trail Corridor Concept Design and Sustainability Study, Big Bear, CA

Denver Moves: Broadway-Lincoln Corridor Study, Denver, CO

Colorado Convention Center Master Plan, Denver, CO

National Western Center Campus Placemaking Study, Denver, CO

Downtown Regional Center SubArea Plan, San Antonio, TX

Charlotte Center City 2020 Vision Plan, Charlotte, NC

Spokane Riverfront Park Master Plan and Downtown Master Plan Update, Spokane, WA

Anderson Park Master Plan, Wheat Ridge, CO

Gunnison Parks and Recreation Master Plan and Streetscape Design, Gunnison, CO

NATHANIEL RIEDY

PE
Civil Engineer
Experience: 13 years

MIG

Nathaniel Riedy is a highly skilled and adaptable civil engineer whose experience and expertise have contributed to infrastructure projects across the country. Nathaniel's early aspiration to improve quality of life in the built environment is continuously achieved with each new project—from site engineering and stormwater management to utility design and street improvements. As a project manager, he is committed to project stewardship from initial planning to post-construction sustainability. As a water resources and environmental engineering specialist, Nathaniel focuses on using green infrastructure and Low Impact Development (LID) principles to meet performance targets, mitigate costs, facilitate future maintenance, and protect or enhance the environment. His cross-training and collaboration with urban designers and landscape architects enables him to develop projects that are both functional and experiential. Nathaniel's technical communication and writing skills yield plans and documents that are succinct, well-organized, and easily readable by clients and laypersons alike. Registered in five states, he strives to ensure that project solutions are context-sensitive to meet not just engineering standards, but the multifunctional needs and expectations of each community.

Relevant Projects:

National Western Center Campus Placemaking Study, Denver, CO

Lower Mapes Creek Restoration, Seattle, WA

3 Creeks Trail SWPPP, San Jose, CA

Clark County Stormwater Manual Update, Clark County, WA

Commerce General Plan and Zoning Ordinance Update and EIR, Commerce, CA

Comprehensive Plan Update, Capital Facilities Plan, DuPont, WA

Covina Town Center Specific Plan Infrastructure Planning, Covina, CA

Downtown Specific Plan, Covina, CA

Echo Green Children's Center Sewer Improvements, Snoquaumie, WA

Elliott Bay Seawall Project, Seattle, WA

Facility Inspection for Seattle Public Utilities On-Call Services, Seattle, WA

Fogg + M Street, Hydrology Study, Colton, CA

Fort Collins Low-Impact Development (LID) Manual, Fort Collins, CO

Georgetown Raingardens, Seattle, WA

Green Infrastructure and Parks Master Plan (Implementation of Cudahy General Plan Update), Cudahy, CA

HEATHER BUCZEK

ICC
ADA Accesibility Specialist
Experience: 17 years
MIG

Heather Buczek is an expert in accessibility evaluation, planning, and compliance with highly refined skills in geographic information systems (GIS) analysis, cartography, and data visualization. Her early nonprofit work in independent living services for people with disabilities informs her perspective on planning for people with disabilities in the public realm. With her collection, analysis, and presentation of data, Heather makes a very complicated process like assessing and coding an entire city's public facilities simple and understandable. She is dedicated to developing new tools for clients to facilitate decision-making and implementation. Her depth of understanding of the Americans with Disabilities Act (ADA) regulations, policies, and implications makes her an asset to her clients, as well as to the people with disabilities that they serve. Heather's attention to detail, efficient use of resources, and clarity of reporting allow her to assist agencies of every size according to their needs and budget.

Relevant Projects:

ADA Self-Evaluation and Transition Plans for: Ada County Highway District, ID; Cupertino, CA; Los Altos, CA; Lynnwood, WA; Marin County, CA; Midpeninsula Regional Open Space District, CA; Napa County, CA; Novato, CA; Reedley, CA; San Bruno, CA; South San Francisco, CA; Tualatin, OR; Lancaster, CA; Redmond, OR

ADA Self-Evaluation and Transition Plan for the Right-of-Way, Edmonds, WA

ADA Supplemental Program Analysis, San Francisco, CA

ADA Title II Transition Plan, Portland, OR

Coeur d'Alene Education Corridor Master Plan, Coeur d'Alene, ID

Comprehensive Parks and Recreation Master Plan, Salem, OR

Comprehensive Trails System Master Plan, West Linn, OR

Energy Upgrade California, State of California Energy Commission, Statewide, CA

FHWA Training Designing Pedestrian Facilities for Accessibility (DPFA), Portland, OR

Inclusive Access Plan for Trails, Marin County, CA

John Day Dam ADA Evaluation, Columbia River, OR

Lower Owens River Recreational Use Plan, Inyo County, CA

Park and Open Space Master Plan, Ridgefield, WA

Park and Recreation Needs Assessment Report, Sparks, NV

Park and Recreation Strategic Plan, City of Emeryville, Emeryville, CA

SAMANTHA HERHEIM

PE
Civil Designer, Transportation Designer
Experience: 20 years

KL Engineering

Samantha has over 20 years of experience. She has managed large roadway and multi-modal planning and design projects, as well as numerous shared use path projects in the Madison area. In her participation in the APBP policy committee, Samantha is currently working on a policy statement for resiliency. She is also an active member in Sustain Dane.

Recently, she was the multi-modal designer for the City of Fitchburg Fish Hatchery Road project. The design included extensive public engagement and KL Engineering created several typical section alternatives and concepts for multi-modal accommodations. The final design included improved crosswalks, pedestrian friendly lighting, a shared use path and bridge, sidewalk, two-stage bicycle turn boxes, and a shared bus and bicycle lane to accommodate future bus rapid transit along the corridor.

Relevant Projects:

John Nolen Drive (current) – Madison, WI

Fish Hatchery Road Reconstruction – Fitchburg, WI

Phase 2 Lower Yahara River Trail (current) – Dane County

Garver Path – Madison, WI

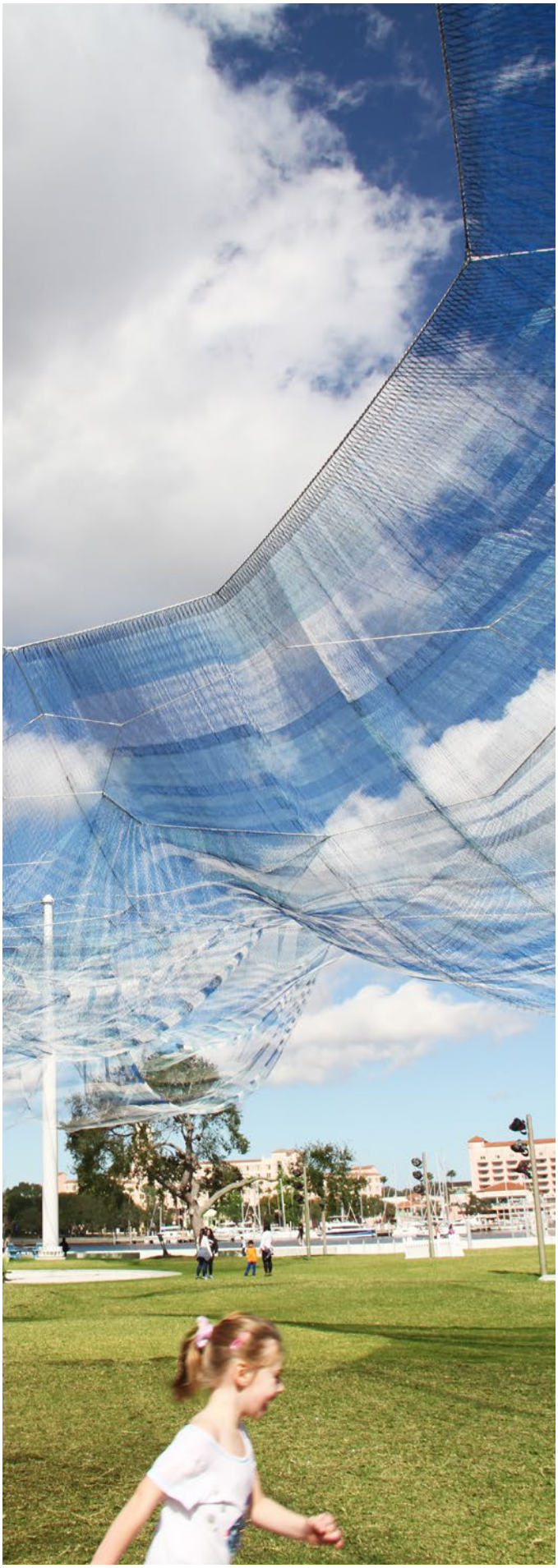
East - West Bus Rapid Transit Signing and Pavement Marking [subconsultant] (current) – Madison, WI

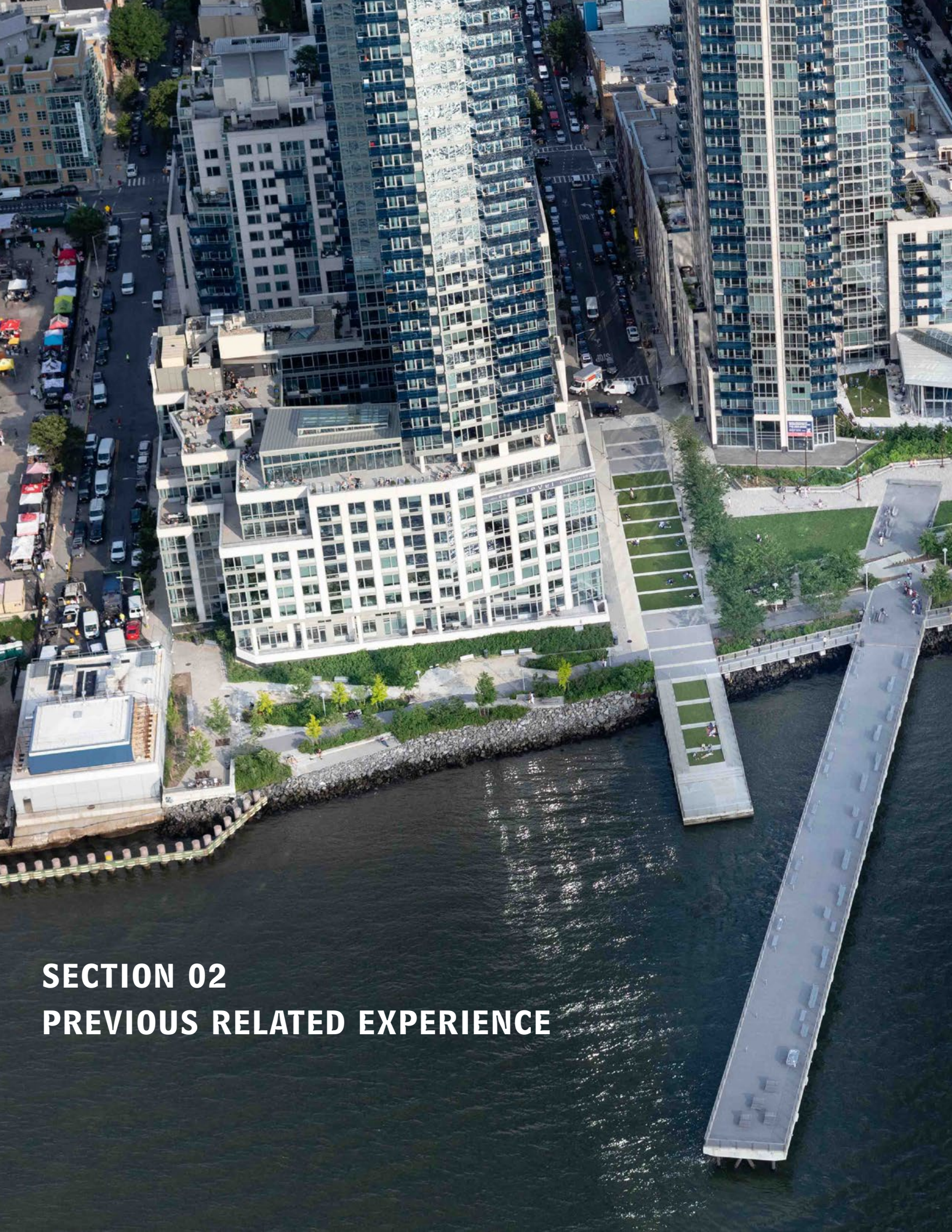
DAVE TOLLEFSON

Transportation Planner
Experience: 16 years
KL Engineering

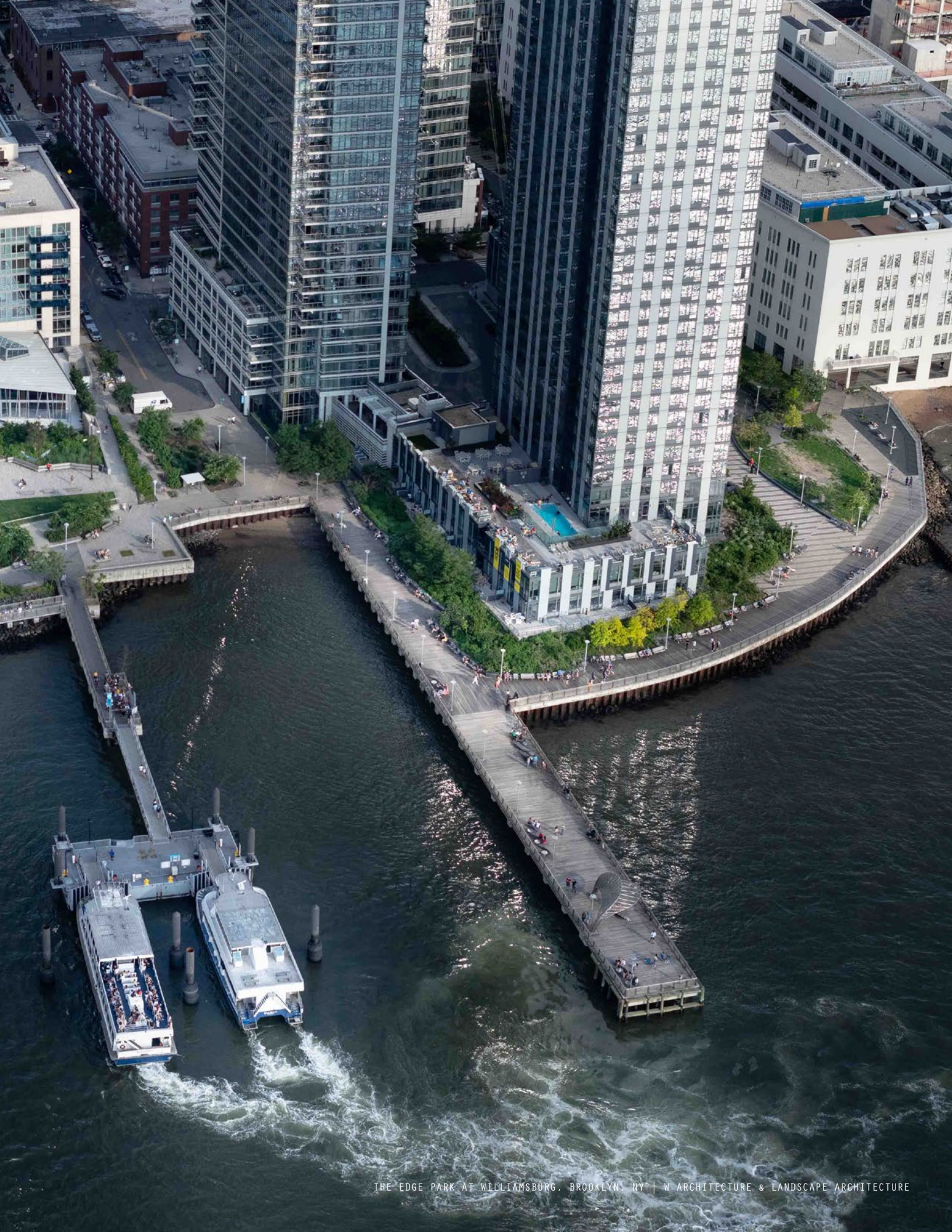
With over 16 years of experience, Dave's planning background helps assure that projects fully address larger scale planning and overall community needs. He specializes in environmental documentation, multi-governmental agency coordination, and public involvement. He recently collaborated with the City of Madison Traffic Department to co-author 2 Traffic Demand Management Plans (TDMP). He has also recently authored environmental documents for the University Avenue and CTH PD corridors in the City of Madison, evaluating options that address roadway safety and congestion issues while mitigating impacts to the built and natural environment.

Relevant Projects:
John Nolen Drive (current) – Madison, WI
Fish Hatchery Road Reconstruction – Fitchburg, WI
Phase 2 Lower Yahara River Trail (current) – Dane County
Garver Path – Madison, WI
CTH PD (McKee Road) Reconstruction – Madison, WI
University Avenue Reconstruction (Shorewood Boulevard - University Bay Drive) – Madison, WI





SECTION 02
PREVIOUS RELATED EXPERIENCE



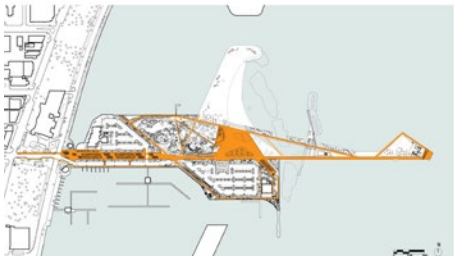
THE EDGE PARK AT WILLIAMSBURG, BROOKLYN, NY | W ARCHITECTURE & LANDSCAPE ARCHITECTURE

PIER APPROACH
ST PETERSBURG, FL

USA Today's Top 3 Best New Attractions of 2020

The Pier Approach is a 20 acre former parking lot between the downtown and the pier. Our plan reduces roadway and parking, while increasing attractive pedestrian uses that provides a series of events to lure people out towards the pier and the Bay. The design creates three experiences: an urban pedestrian spine that reaches from the downtown to the pier, a family oriented park, and the waterfront edges. The waterfront edges provide a variety of spaces for gathering and interacting with the water, including hard and soft edges. The family park includes a large sculpture by Janet Echelman floating over a central lawn. Surrounding it are stormwater gardens, unique children's play area, as well as picnic and cafe spaces.

W has managed a large interdisciplinary team as well as the various city, state and federal agencies, stakeholders, communities, and elected representatives to produce an exciting design which has caught the imagination of St Petersburg. Artworks were incorporated in collaboration with several artists.



PEDESTRIAN NETWORK

BIKE PATH NETWORK

TRAM ROUTE

Size

20 acres

Role

Prime Consultant:
Landscape Architecture & Architecture

Relevance

- Equitable and inclusive design process
- Connector to downtown St. Pete
- Family oriented park

Key Personnel

Barbara Wilks

Completion Dates

Completion: July 2020
Construction Cost: $13.5 million

Client Contact

Raul Quintana, AIA
City Architect
Engineering & Capital Improvements
St. Petersburg, FL
(727) 893-7913
raul.quintana@stpete.org

Selected Awards

2021 American Architecture Award

2021 ASLA-NY Merit Award

2020 Excellence on the Waterfront Award

THE EDGE MASTER PLAN AND DESIGN
WILLIAMSBURG, NY

Diverse experiences on the East River

The Williamsburg waterfront has been dominated by industry and its relics for over a century – making it largely off limits to the public. The "Edge" park, a narrow strip in Brooklyn, brings people to the river and links the ecosystem with the fabric of the community.

Our plan unites both sides of the river by using the piers to re-orient views across – especially Empire Pier directed toward the Empire State Building, while 6th Street pier steps down to touch the water. It pedestrianizes the streets leading to the waterfront, and the park terraces over a parking garage below.

These three new piers together with the diverse upland landscape create a variety of waterfront experiences – a theater to the water - that bring people back, alone or in groups. Coordination with the Parks Department throughout the design process resulted in a maintenance agreement with the Home Owner's Association. Street closings were coordinated with DOT.

Size

Landscape: 2 acres

Relevance

- Master plan integrating private development and public space
- Threshold to the water for the public
- Maximizing views to create special places and moments
- Variety of piers and edges creates a variety of experiences

Role

Landscape Master Plan, WAP approvals
Waterfront Park: Lead Designer and Landscape Architect; Coordinate all approvals, engineers, WAP, artists, etc.; Create construction documents and supervise construction

Key Personnel

Barbara Wilks, Julia Howe

Completion Dates

Waterfront Access Plan Certified: February 2007
Phase I Complete: Fall 2009
Phase II Complete: 2019
Construction Cost: Landscape $20 million

Client Reference

Michael Kaye
Douglaston Development
718-281-0550 x315

Selected Awards

2021 Rosa Barba Prize Selection
11th Barcelona Biennale
2020 American Architecture Award
2020 WLA Award Finalist
2012 ASLA NY Merit Award - Phase 1
2008 "Ecotones: Mitigating NYC's Contentious Sites" Center for Architecture

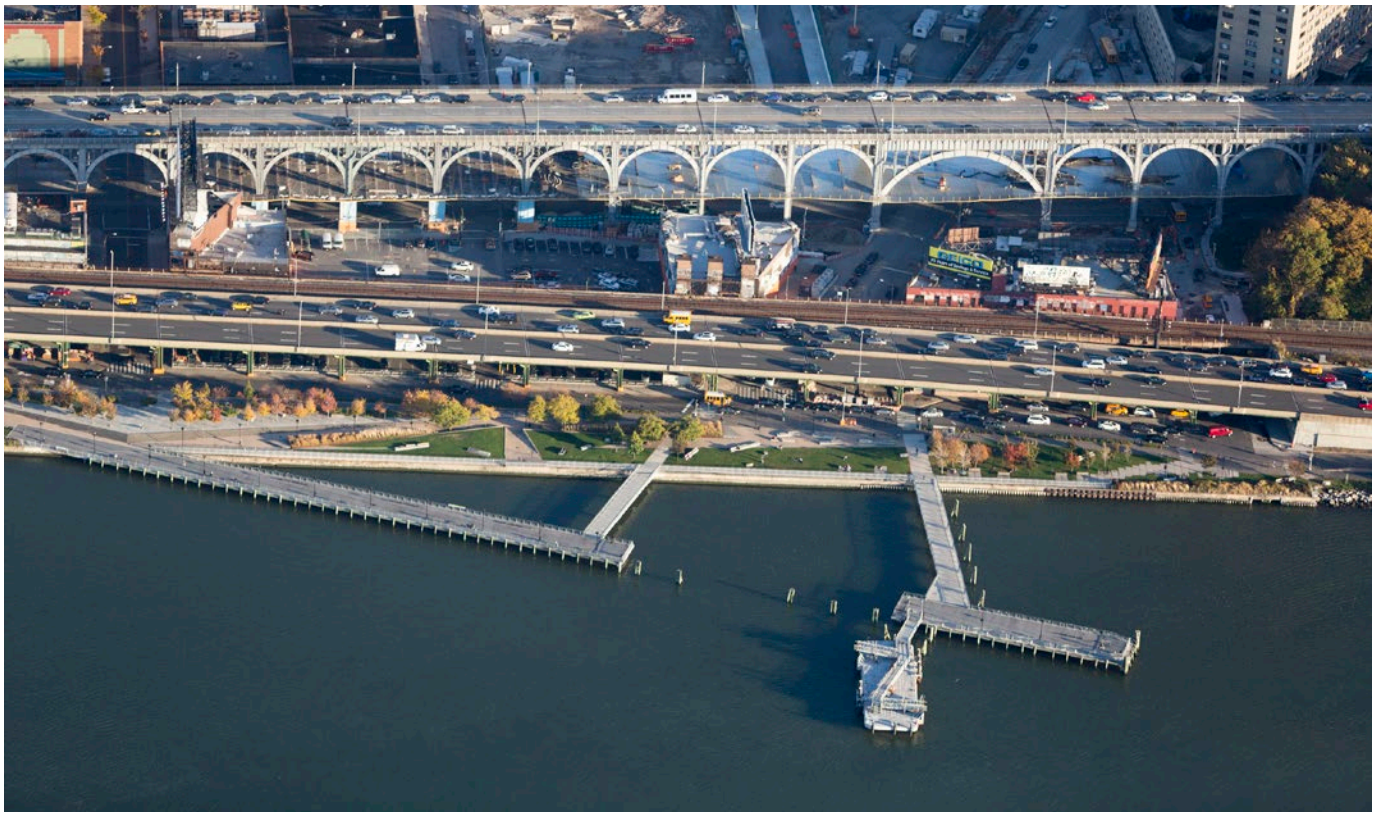
WEST HARLEM PIERS MASTER PLAN AND DESIGN
NEW YORK, NY

Transforming an isolated parking lot to a community waterfront

Working for the New York City Economic Development Corporation in conjunction with the community and neighboring institutions, the Harlem Piers Master Plan creates a revitalization plan for this area where Harlem's "main street" meets the Hudson. The plan involved extensive community involvement and masterplanning for over 20 city blocks. The result was a three step plan. A design for the waterfront is the first step to revitalization of the area providing a new identity and sense of place. The second step is transportation and streetscape improvements. The third step is economic development of the upland through rezoning.

The plan resulted in the attraction of the 17-acre Columbia Mahattanville Campus which is integrated with the city grid. Publicly accessible open space leads to the West Harlem Piers Park, now maintained by the University.

The park design expands the narrow space to make a destination for students, residents, and bicyclists. Its area was doubled by reducing the adjacent roadway and adding the two piers, and the former parking lot is now 50% more permeable with over 100 trees.



CONNECTING THE PARK TO SURROUNDING FABRIC AND TO THE RIVER

Size

Master plan: 20 city blocks
Park: 2 acres

Relevance

- Create destination park in narrow site
- Connect inland to waterfront
- Revitalize adjacent under-utilized parcels
-Equitable and inclusive design process

Role

Prime firm responsible for master plan, landscape design of the park and adjacent street reconfiguration, and community engagement.

Key Personnel

Barbara Wilks

Completion Dates

Completion: 2009
Construction Cost: $16 million

Client Reference

Len Greco
New York Economic Development Corporation
110 William St. NY, NY 10038
212/312-3890

Awards - Master Plan

2010 MASterworks Award
Neighborhood Catalyst
2009 ASLA NY
Honor Award

THE RIVERLINE (CONCEPT DESIGN)
BUFFALO, NEW YORK

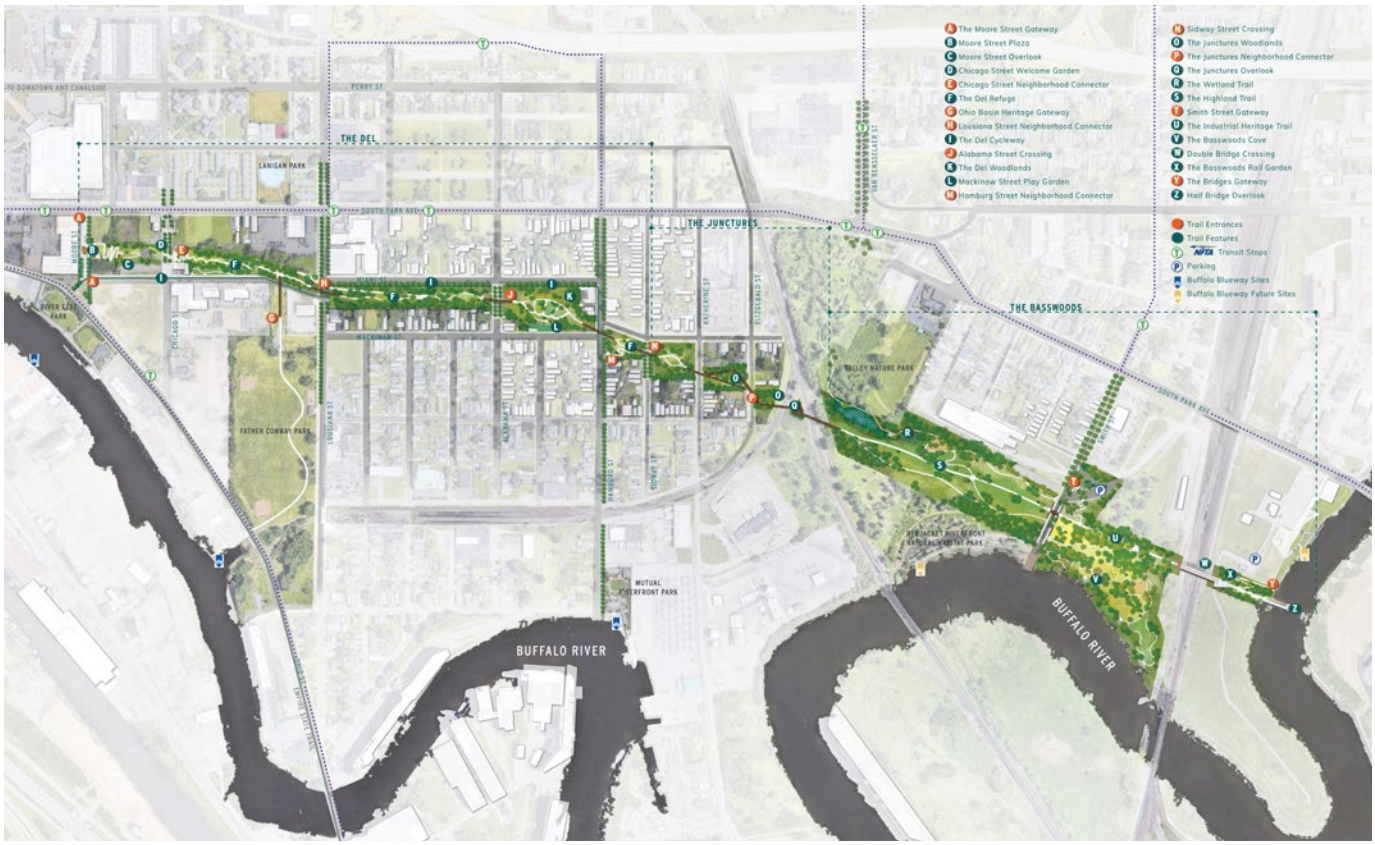
W

A verdant refuge connecting people to nature, water, art and community

The Riverline is a dynamic concept for a new 1.5 mile long public space on the site of the former DL&W rail corridor which presently acts as a barrier between communities along the Buffalo River. The space will be a verdant refuge that functions at a neighborhood and city-wide scale, connecting people to nature, water, art and each other.

More than a thousand people participated in the concept design process for The Riverline. What emerged was a set of innovative ideas and programs directly tailored to the needs of Buffalo residents, especially those in the adjacent Old First Ward, Perry and Valley neighborhoods. These ideas centered around the meaning of nature in the city and how to make meaningful connections to communities.

Key gateways to the project are located at street level and often integrate places for community gatherings and orientation. The Riverline refuge experience in the successional landscape above street level provides a more intimate and inward focused experience, punctuated by open bridge crossings which allow views out to the city.



THE RIVERLINE BALANCES THE NEIGHBORHOOD AND URBAN SCALE

Size

1.5 mile long former rail line

Relevance

- Linear park (1.5 miles) master plan
- Creating connection to street grid
- Equitable community engagement

Role

Prime Consultant responsible for landscape architecture, urban planning & design

Key Personnel

Barbara Wilks, Qi An

Completion Date

2021 - Concept Plan

Client Contact

Nancy Smith
Western New York Land Conservancy
theriverline.wnylc.org

Collaborators

Hood Design Studio
Green Shield Ecology

Awards - Concept Design

2021 ASLA-NY Honor Award
Analysis and Planning

JULIAN B. LANE RIVERCENTER AND PARK
TAMPA, FL
A community boathouse designed to be flooded

Located directly across the Hillsborough River from the downtown, J. B. Lane Park creates a visible landmark to attract people across the river and the riverwalk. This formerly underused park was transformed in conjunction with the local community into a facility for neighborhood as well as regional use. Working with CIVITAS, W collaborated on the park programming, public engagement and landscape design. We were also responsible for the design of the boathouse, two restrooms, a maintenance center, and numerous shade pavilions. The Rivercenter is a boathouse and landmark on the river and includes community spaces for educational purposes, events, and training.

A material study was also conducted in order to find resilient materials for Florida's severe climate. Hurricane-resistant cladding and sun protective layers were chosen specifically to withstand the weather, and to add to the vernacular of the Floridian built environment.

Size

25 acres

Role

Collaboration with Civitas on programming and landscape design. Lead architect for all building structures including the Rivercenter, two restrooms, a maintenance facility, and shade pavilions

Key Personnel

Barbara Wilks

Completion Dates

Completion: May, 2018
Construction cost: $35 million

Client Contact

Karla Price
Parks and Recreation
Department, City of Tampa, FL
(813) 274-8615

Press

Morelli, Keith. "*Tampa unveils plans for Julian B. Lane park renovation*" Tampa Bay Times, September 9, 2014

Awards

2020 ULI Urban Open Space Award Finalist
2019 American Architecture Award
2019 Future of the Region Award
2019 New York ASLA Honor Award
2019 ENR Southeast Best Projects
2018 Colorado ASLA Merit Award

HAMILTON RIVER PLAN
HAMILTON, OH

Making the riverfront a center, not a divider

Hamilton, Ohio, with a population of approximately 63,000, is split in half by the Great Miami River and its levees. Historically two towns on either side of the river, many important civic and cultural assets are clustered close together, but they have never been effectively linked. W Architecture led a planning process to make the river the center of the community, a new shared place for community activities and engagement. The plan focuses on river accessibility, cultural and recreational amenities, business attraction, urban living, and city revitalization. Establishing a high level of activity on and surrounding the river with increased pedestrian and bicycle access and movement was a key priority. Urban vibrancy and placemaking along the corridors will lead to community economic development.

This plan for the approximately 4 mile stretch of river is broken down into a series of walking and biking loops. The loops are of different characters and each explores a different ecology, combining social, cultural and natural phenomena. The loops are tied to the river through a series of gateways, places to enter the river as well as view it from atop the levee. These gateways make a series of places connecting the town to the river, and again each has its own character tuned to the particular place and neighborhood. This way, quality open

Size

736 acres

Role

Prime Consultant: Urban Design, Landscape Architect, and Architect

Key Personnel

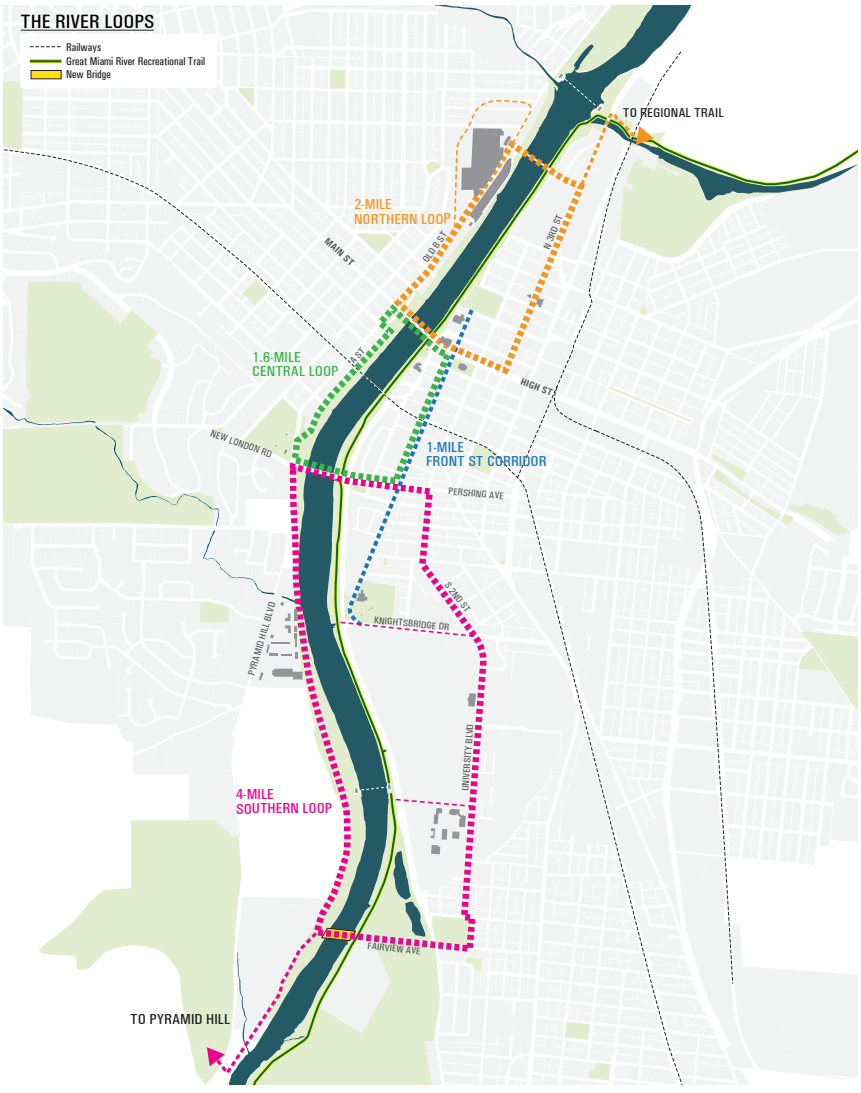
Barbara Wilks, Chieh Huang

Completion Dates

January 2018

Client Contact

Joshua Smith
City Manager
City of Hamilton, Ohio
513-785-7002
joshua.smith@hamilton-oh.gov



LOOPS ALONG AND ACROSS THE RIVER HIGHLIGHT HAMILTON'S RIVERFRONT

spaces and recreation opportunities are connected equitably along the river, improving environmental quality, benefiting public health, and creating community pride and identity.

The study also addresses the waterway itself, with new river uses like a kayak run and boat rentals, as well as suggestions for pop-up festivals and other events within the levee area during summer months. Opportunities for changes in land use and zoning are also outlined and a phased implementation plan is provided. To implement the plan, partnerships with the Hamilton Parks Conservancy, the Hamilton Community Foundation, the Great Miami River Way Coalition, and the Miami Conservancy District as well as private sponsors are involved.

RENDERING OF SPACES AND CONNECTIONS ALONG THE GREAT MIAMI RIVER

SPACES FOR RECREATION AND REFLECTION CARVED OUT ALONG THE GREAT MIAMI RIVER

JEFFERSON CHALMERS NEIGHBORHOOD FRAMEWORK PLAN
DETROIT, MICHIGAN

Neighborhood revitalization by reactivating vacant land

In conjunction with the Planning and Development Department and the community, W proposed improvements to the Jefferson Chalmers neighborhood to make it more connected, accessible, and sustainable. These included improvements to the waterfront, neighborhood fabric, and commercial corridor. From mixed-use development, including local retail and affordable housing, to rehabilitation of vacant homes, this plan seeks to address community needs. Streetscape improvements, including stormwater mitigation, help manage waters in this former wetland. Improved access to the riverfront parks and canals was a key part of the plan as current access is very limited.

All of the proposed interventions have been coordinated across multiple city departments and agencies, including Housing and Revitalization, Water and Sewer, General Services, Parks and Recreation, the Detroit Land Bank Association, the Detroit Economic Growth Corporation, as well as the Mayor's Office. Community outreach included establishing a Residents in Action committee, which held monthly meetings, as well as attending weekly Office Hours at the local library, holding four large public forums, attending block group meetings, and gathering stakeholders for targeted focus group meetings centered around certain topics.

Size

1,210 acres

Role

Lead Design Consultant: Prime firm in charge of neighborhood master plan and project management

Key Personnel

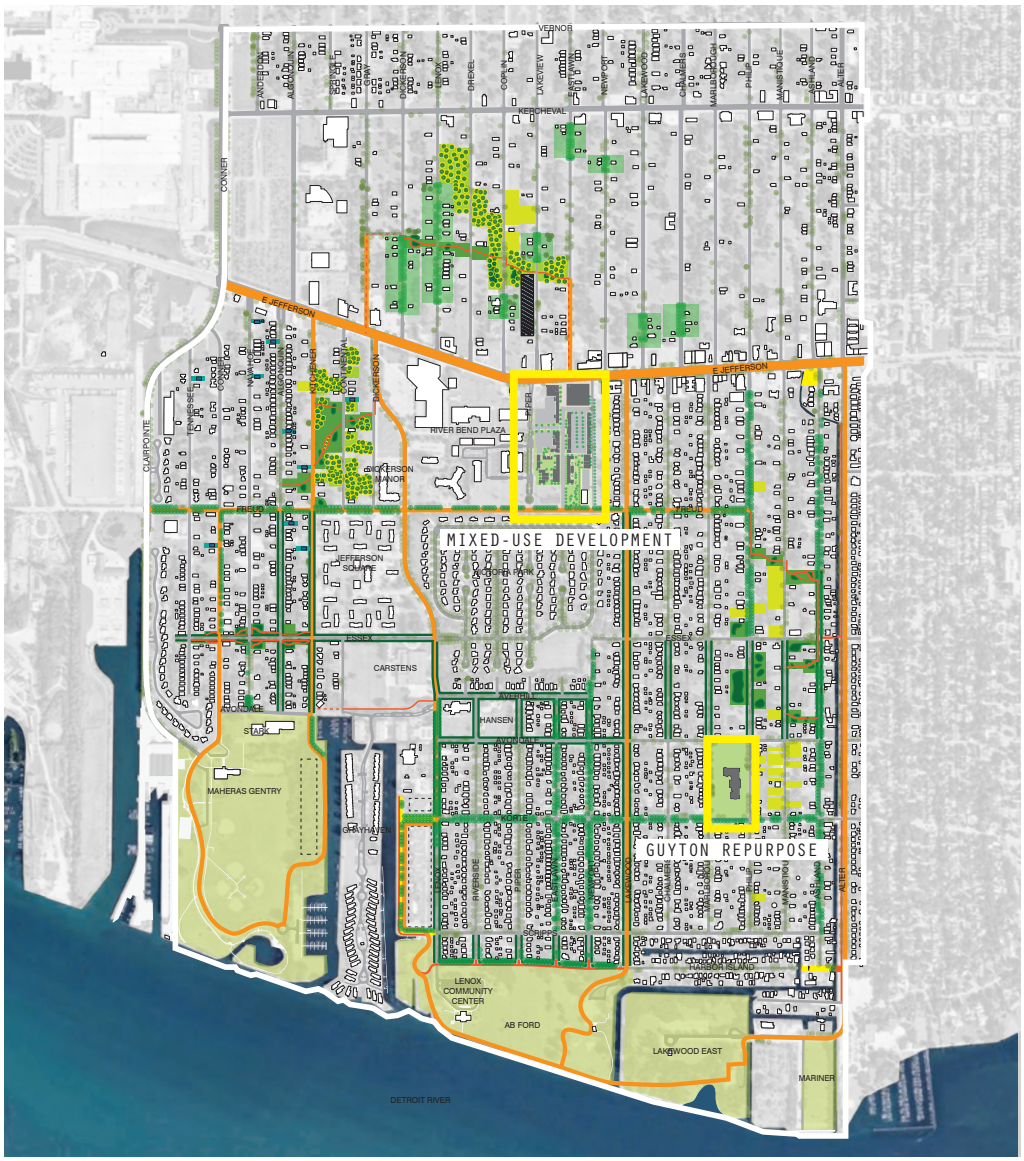
Barbara Wilks, Sam Sikanas

Completion Dates

February 2019

Client Contact

Maurice Cox
Director, City of Detroit
Planning and Development
Department
2 Woodward Ave, Suite 808
Detroit, MI 48226
coxm@detroitmi.gov



OVERALL NEIGHBORHOOD FRAMEWORK PLAN

SECTION 03
TECHNICAL EXPERIENCE

ST. PETE PIER APPROACH, ST. PETERSBURG, FL | W ARCHITECTURE & LANDSCAPE ARCHITECTURE

CHAMPIONING TECHNICAL WATERFRONT PROJECTS

Waterfronts are complex. W Architecture and Landscape has the experience in designing many waterfront parks and understands how the specific parts can come together to make a whole. To do this we also need specialists to help us flesh out our generalist approach. For the skills you have outlined we will discuss below where team members will be involved and how we will integrate this information into a unique place.

Project master planning – Almost all of our waterfront projects have begun with a master plan. This is the time to set the parameters of the project – what roadways are changing, what are the program elements, what are the current and potential activators and adjacencies, how are they connected, how does it fit into the larger framework of places, parks and open spaces, roads and pedestrian and bicycle trails and pathways.

Barbara and the team's experience with this type of waterfront landscape will enable the identification of issues with possible negative long-term consequences early on. Her technical experience will also guide us to potential risk areas at this planning stage, and to feel confident that we have eliminated the bulk of the risk thru the least amount of investigation possible at this stage. This will leave the costly technical surveys, environmental evaluations, and other reports, to future phases of projects, so these issues will be tackled in the context of each phase's implementation.

In addition to our waterfront planning experience we will be collaborating with MIG. MIG has led and contributed master plans for Downtowns, neighborhoods, trail corridors, greenways, parks, civic facilities, and waterfronts. MIG's participatory process and environmental design approach sets their work apart by focusing on current and potential users first. Integrating its Equity Studio and Triable Nations Building Studio, MIG ensures that each planning and design process and the resulting work are inclusive. The multi-disciplinary nature of the MIG will allow the W Team to engage a variety of specialty practices from across the firm, including urban planning and design, environmental planning, culture resource assessment and planning,

universal design, integrated infrastructure design, place management, branding, public art, and visualization. MIG also brings strategic thinking to each and every project, from visioning through implementation. In fact, MIG is currently assisting with Downtown Madison, Inc. with the development of a Strategic Plan for the organization.

Many of our projects are phased and require coordination with adjacent developments. For instance, the Pier Approach was the link between the Pier (already designed and documented) and the City. It was our job to coordinate everything from utilities to storm water, to various modes of transportation to link the City and the Pier in a seamless way, as well as create a project design where the dividing line had to appear invisible to the public. Our West Harlem Piers Park was phased to allow the streets to continue operation as we changed their configuration. This involved a temporary street where the park was to be, so the road reconfiguration came first along with the pier construction and then the park between the two was completed last. We also had to find a place to replace the parking for the adjacent private grocery and convince the owner that the changes to the roadways would not impact his business, add a bus stop, and incorporate the Manhattan bike trail. The Edge Park was completed in two phases, divided by five years, so that the first phase had to stand alone, but the second phase added the piers. We built stubs that connected them to the park in Phase 1 so as to minimize park disturbance when construction resumed. We also had to coordinate with an MTA project which was going on at the same time adjacent, as well as with the neighboring private developments to provide an uninterrupted waterfront experience. Urban projects almost always involve complicated coordination with neighbors, as well as city, state and federal agencies.

Community Engagement – W and MIG are well known for their commitment to and innovation in community engagement. This alignment of values and belief that the people who will be impacted by a plan or design should be active participants throughout the process contribute to making the firms such strong partners. Process design is as important as physical design when reimagining community spaces and reinvigorating what should be a regional and national destination. MIG will lead the W Team in the design of a process that meaningfully and authentically engages key stakeholders and the broader community in the master

planning and design for the Lake Monona Waterfront.

Equitable and Inclusive Planning – MIG is a national leader in equitable and inclusive planning. In addition to creating and deploying innovative engagement methods to engage underserved and underrepresented populations, MIG is constantly pushing to rethink the planning and design of spaces and places to ensure they are as welcoming and inclusive as possible. If we continue to plan and design the way we always have, then the results will continue to contribute to inequitable outcomes and other disparities. MIG is committed to engaging in difficult conversations to understand past injustices and to contribute to real solutions that are developed in collaboration with impacted communities.

Examples for this effort may include key design or interpretive elements acknowledging and celebrating the Ho-Chunk, creative programming and/or tenanting strategies to attract BIPOC and LGBTQ+ led events and businesses, and the integration of waterfront programming that responds to a variety of cultural preferences and differences. MIG can build on its current work with Downtown Madison, Inc. to leverage the Lake Monona Waterfront and implement key strategies to further diversify ownership and leadership in Downtown and to make Downtown Madison a more welcoming place to live, work and play for all residents. Rather than ignore our differences, we will utilize the redesign of the Lake Monona Waterfront to celebrate those differences and the richness of people and place that can result.

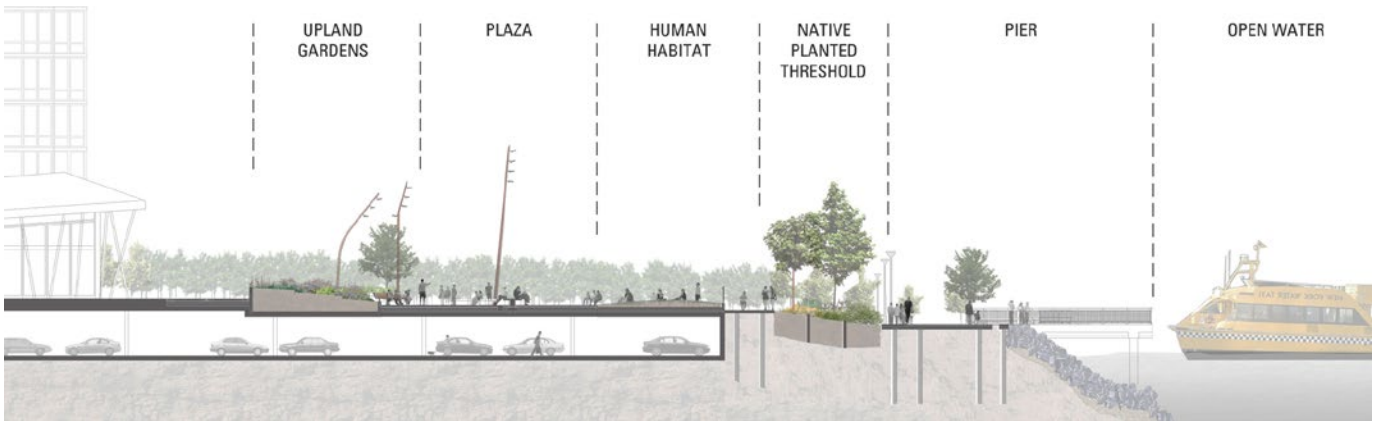
Multimodal Transportation Planning –KL Engineering will provide services for multi-modal paths and bridge structures, including concept planning, feasibility studies, alternative analysis, design, permitting, and construction oversight.

The KL team understands the importance of multi-modal connectivity. KL strives to provide safe, convenient, and accessible connections for multi-modal users. The team has worked on concepts, evaluated feasibility, and completed alternative analysis with an equity lens while respecting previous planning efforts and public feedback.

KL Engineering will bring 1.5-mile reconstruction project along North Fish Hatchery Road between CTH PD and the West Beltline Highway. The project includes safety upgrades to intersections, an extensive public involvement campaign, and a comprehensive drainage analysis for the roadway storm sewer system. This heavily traveled, multi-lane urban roadway was constructed under traffic, requiring a complex construction staging and traffic control plan.

Pedestrian/Bicycle Bridge Structures- KL Engineering provided preliminary planning and design, alternative analyses, environmental permitting, and final design for this 1-mile connector trail to the Capital City Path on the northeast side of Madison. The project runs through the Garver Feed Mill redevelopment area and O.B. Sherry Park.

Lake Water Quality/Limnology—Our ecologist Steven Handel and Green Shield Ecology will support us in



including in-water, water edge and upland treatments that will improve water quality. Water edges are critical parts of the lake system. The water's edge is a busy place. Northern pike, bluegills, bass, and other fish spawn in the shallow water along the shore. Loons, ducks, geese, and other water birds nest along the banks. Wildlife such as frogs, otters, and mink live there, too. Shoreline areas—on land and into the shallow water—Overdeveloped shorelines can't support the fish, wildlife, and clean water that are so appealing to the people attracted to the water's edge. We will work to diversify the shoreline, providing access for people, but also for other species that support lake health. We have done this in our Jefferson Chalmers Plan in Detroit on the edge of Lake St. Claire, as well as many projects on rivers or bays with similar circumstances.

Storm Water Management—Capturing and filtering storm water to address both quality and quantity will manage flow volumes and help clean the water before it gets to the Lake. All of our recent projects have included on-site storm water management, like our project in St Petersburg, Florida where we have three storm water systems, including well designed bioswales and a pond, capturing the storm water around the park while simultaneously providing habitat for animals as well as creating features for people to enjoy. MIG also brings an integrated infrastructure practice that focuses on green infrastructure and is built on a belief that landscape architects and civil engineers should work side-by-side to develop the most effective and elegant solutions around storm water management and water quality. KL Engineering will insight into local protocols and regulations.

Aquatic Habitat Restoration—Aquatic habitat restoration often requires providing the right water levels for different species, for both plants and animals to inhabit. The wetland we created at St. Patrick's Island with Green Shield Ecology varies by up to five feet to allow for islands for nesting birds, variations in topography for the full range of water levels and habitats. Now over five years since completion, it has been a successful attractor of diverse species of birds and other animals.

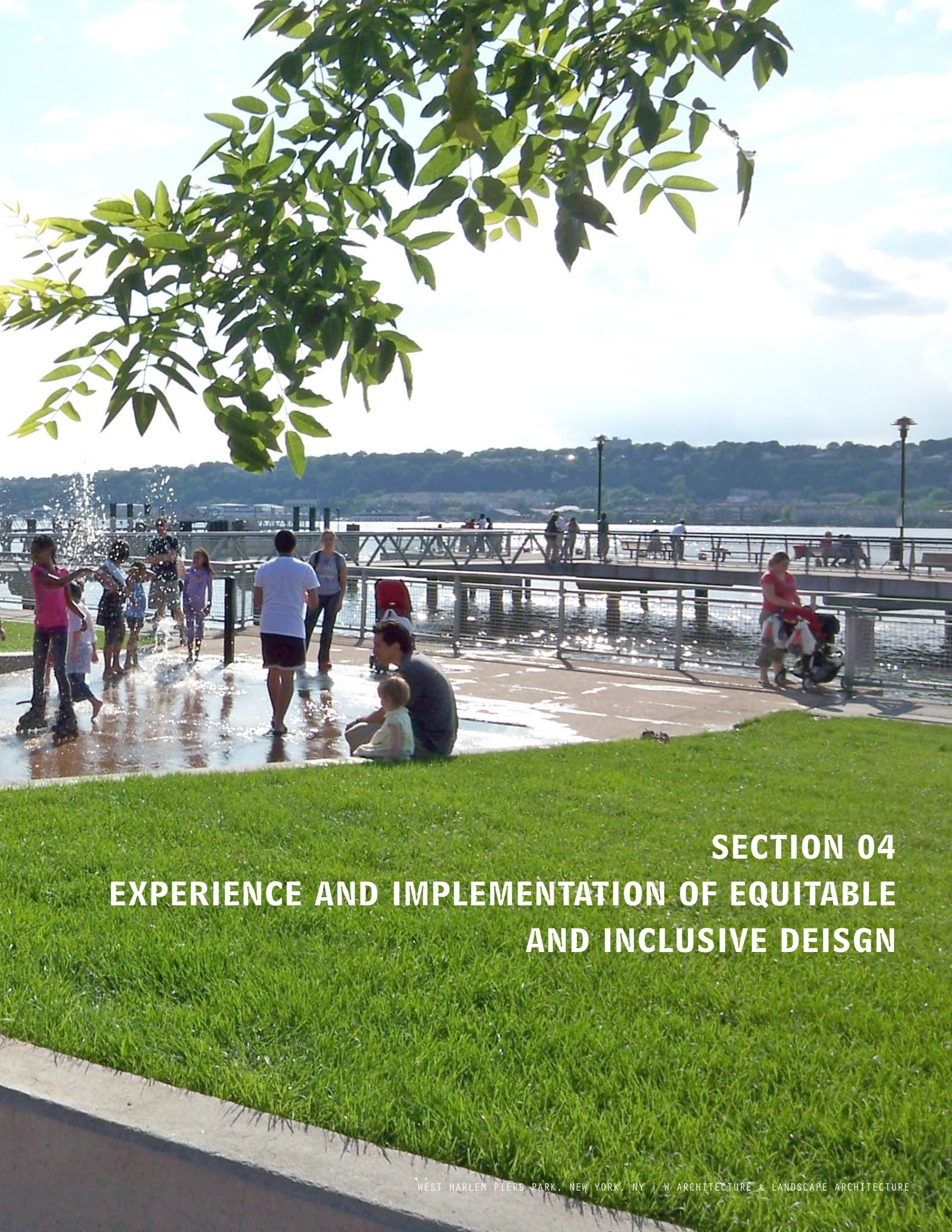
Sustainable Design and Shoreline Protection—Sustainable design is often looking for ways to incorporate "room for the water" vs trying to keep it out. Shoreline protection includes considering the full section of the waterfront—from above water to below. Shoreline habitat consists of many natural elements woven into the lake ecosystem to form a web of life. Native vegetation, bottom materials, and natural debris play essential roles in the life cycles of a lake's fish and wildlife. Shoreline alterations that damage or destroy these habitat components sever essential strands in the web. As a result, the lake ecosystem is weakened, wildlife moves elsewhere, and fish numbers decline. Erosion and other effects follow.

Structural Decking- KL Engineering has worked on several projects that have evaluated various structural decking alternatives. A variety of surface materials and treatments can be considered, but typically ranging from concrete to wood to synthetic materials. These decisions typically involve a variety of different factors to consider besides the initial construction cost, such as geotechnical challenges, foundation/support requirements, material/supply availability, safety barrier or railing options, long-term maintenance expectations and requirements, and user satisfaction.

The project requires balancing environmental impacts and design requirements to protect sensitive environmental resources surrounding the project area, including the O.B. Sherry Park Wetlands. The entire project is located along and crosses the Starkweather Creek, which includes extensive floodplain and floodway mapped by FEMA. The project alignment achieves compliance with local floodplain ordinances and a corresponding flood storage district, by including mitigation of the flood storage impacts.

Waterfront Structures and Amenities—W has designed over 50 waterfronts and has the technical understanding of the regulatory environment in which these are positioned, including ecological and engineering considerations. We understand what is buildable and permittable. At this conceptual stage we will work with the team to integrate new structures that are permissible.

ADA Design – W Architecture believes that universal design is an integral part of every project. In addition to meeting ADA requirements in every project, W is committed to ensuring every member of the community feels safe, comfortable and welcome in the spaces we design. In addition, MIG will bring the expertise of their accessibility practice where they provide accessibility assessments, ADA transition plans, guidelines and reference materials for accessible and universal design, and cutting edge design solutions that elevate universal design to a core tenet of the overall design solution.



SECTION 04
EXPERIENCE AND IMPLEMENTATION OF EQUITABLE AND INCLUSIVE DEISGN

WEST HARLEM PIERS PARK, NEW YORK, NY | W ARCHITECTURE & LANDSCAPE ARCHITECTURE

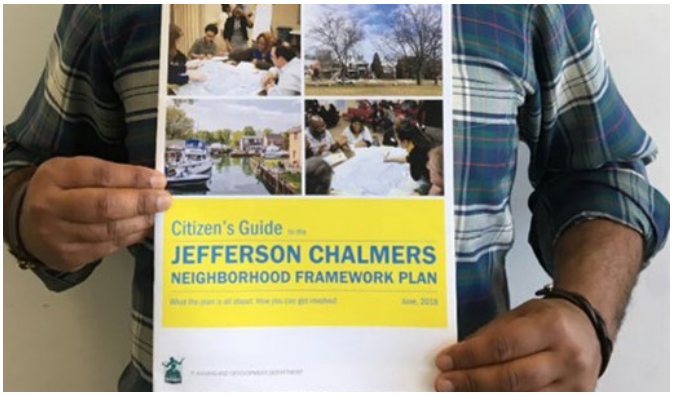
FOREGROUNDING EQUITY AND INCLUSIVITY AT EVERY STAGE OF THIS PROCESS

DIVERSE/CULTURAL ENGAGEMENT

Our team is accustomed to public projects that involve many constituencies and authorities and believe that design is the first step toward community stewardship. The design process is an opportunity to reach out to diverse communities, and to listen and incorporate their ideas so residents feel ownership of this unique place. To effectively communicate and engage multicultural and diverse communities, MIG's brings expertise in culturally sensitive community planning, urban design, facilitation, and consensus building. MIG will ensure ample opportunities for participation from the City's diverse communities by using media channels that serve specific ethnic groups, by creating translated and localized information materials, and by providing language access at public meetings. MIG will also design a range of involvement community workshop activities because some people are comfortable in community-wide workshop settings, while others are more likely to participate in smaller groups or open house formats.

INCLUSIVITY

Public involvement programs must ensure maximum opportunities for people representing all interests in the community to interact with the process. This is especially critical for those who are often underrepresented because of language or culture, as well as those unfamiliar with formal public involvement. This requires multiple avenues for input and sensitivity to diversity.



We will devise strategies that focus on specific engagement activities that reach voices that are not typically heard by reaching out to historically underserved groups and neighborhoods to ensure their participation and inclusion in the design development process.

The community engagement process will be designed to be responsive and adaptive to changing conditions regarding public health and safety. The COVID-19 pandemic and limitations on in-person meetings and outreach has taught us much about virtual and online engagement. The lessons learned through the last 18+ months of virtual engagement and the uncertainty around virus variants will undoubtedly change the face of community engagement permanently and will need to be integrated into any outreach strategy. MIG can design a hybrid approach that leverages the best aspects of in-person and virtual/online engagement throughout the design process—allowing people to participate as they feel comfortable and are able. MIG will identify appropriate digital tools and supplemental methods to ensure the participation of community members with limited access to technology.

One of our first waterfront parks was adjacent to Harlem in NY and we worked with the community to create the waterfront they wanted. More than 10 years later it is still a valued and much visited waterfront for the community as well as others passing through on the regional bike trail. Our destination park in St Petersburg Florida Last year to deal with Covid restrictions and to reach out to folks that usually don't participate, we held a series of outdoor "pop-ups" roving around the neighborhoods in Buffalo to search out and record comments from different groups that might not come to a more formal meeting. We are accustomed to large scale community meetings, where like in Detroit or St Pete, we break the hundreds of people into tables to discuss the issues at the various project stages and then report back to the whole. We also usually have stations around the room where people can "vote" with dots on issues, allowing less verbal neighbors to participate in the process. Some constituencies prefer small scale focus groups. These have included indigenous communities, groups representing special focus areas like art or particular historic moments, or particular community groups like the NAACP, the Chamber of Commerce, etc. We anticipate reaching out to groups that might not be represented in the various committees you have created, as well as meeting with the public at large.

For Lake Monona Waterfront, our intention is to balance current resident's needs, promote stability, while inviting new people and experiences. This approach seems particularly important here to meet one of your ambitions for the project: Lake Monona Waterfront needs to be a catalyst to increase opportunities for locals as well as to attract tourists and be consistent with equitable development planning. As the River Balcony will link the various communities along its 1.5 miles in new ways, it will have to connect to areas that are already centers for each of those communities if they are to share in the benefits. We will reach out to those communities—adjacent neighborhoods, heritage communities, the City, the County, the downtown businesses, at a minimum—at the project's onset to confirm or reevaluate their needs and desires that helped to create the masterplan. We expect regular community meetings through the life of the project to ensure the Lake Monona Waterfront

becomes "theirs."

Embed and teach community heritage and values

We want to tell the various stories of the landscape from the Ho-Chung to the postindustrial to the present—stories that we hear in the engagement process. In our projects, we often do this through art, educational signage and through reuse of artifacts or materials salvaged from the site. At West Harlem Piers Park, Nari Ward embedded neighbors' memories in the new woodland we created, as well as large Voices sculptures that reflect the tradition of fishing, and that children love to play on. We reused the granite cobbles we found under the parking lot to make drainage swales on the site. In St Petersburg, we collaborated with Janet Echelman to float her "Bending Arc" over our central lawn and used crushed shell for the pathways which circle it with ribbons of concrete for ADA access. At Tampa, we coordinated with artists to incorporate mosaics on our buildings and in the paving, which were drawn from the rich history of the cigar factories previously on the site. Murals on the interior of our River Center tell the history of the demolished neighborhood. At Tide Point, now the UnderArmor headquarters, we worked with artists to create gardens among the old concrete tank bases, and incorporated remnants of the industrial cranes and elevated trestles

in the landscape, now accessible by water taxi and kayak. Each generation, each community, each individual, each site public and private, can add in their own way to the collective, enriching the whole.

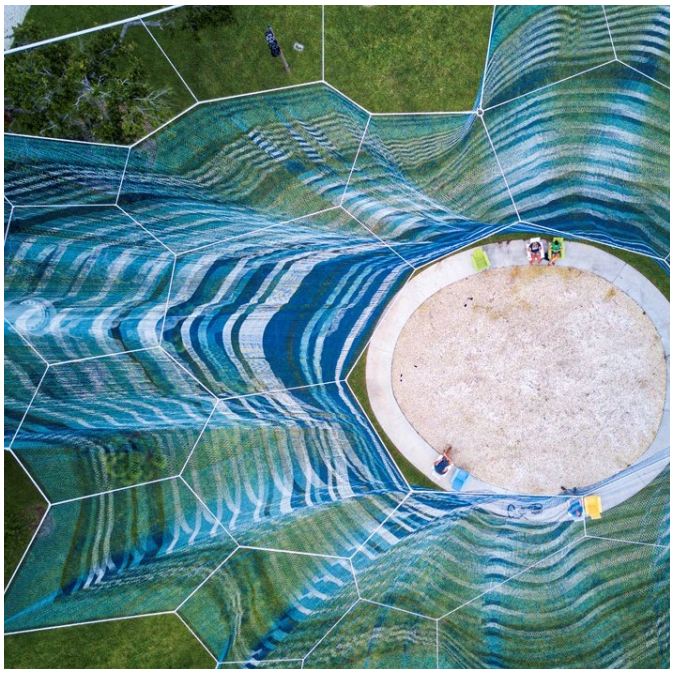
SECTION 05
UNDERSTANDING OF PROJECT SCOPE AND CHALLENGES

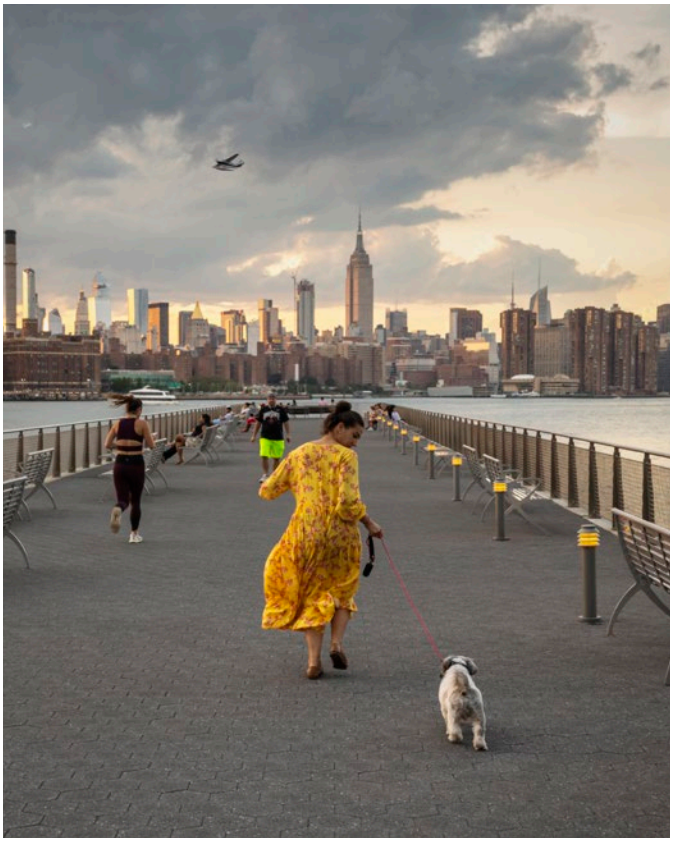
LAKE MONONA DESIGN CHALLENGES AND OPPORTUNITIES

The Lake Monona Waterfront represents a tremendous opportunity to stitch together a number of community assets and create a more inviting and legible destination in Downtown Madison. In order to lead this effort we must first understand the story of Lake Monona and the waterfront. We need to understand how the waterfront relates to the City of Madison and Downtown and how this dynamic waterfront edge sits within the assembly of districts and neighborhoods within the City. How do we complement what already is successful in Downtown, nearby neighborhoods, and the overall City? How do we ensure that the Lake Monona Waterfront is additive and not a competitor to existing destinations? And how do we create a destination that builds an emotional connection to residents, their history, and their culture, while also attracting local, regional and national visitors?

Our job is not to create the story, but rather to uncover the story and translate it in a fresh forward way while respecting the rich cultural history of the place. We call this memory and prophecy, when done right you create a timeless place. You may hire this team for what we know, but more importantly you should hire this team for what we notice.

The Lake Monona Waterfront will be the expression of the confluence of the varied histories and stories.





We will look at this place as a district, not as just a linear greenway. We have the opportunity to combine a multitude of uses that take advantage of the trail and existing amenities, but also to create a home for additional commercial, residential, and hospitality in unique and creative ways. Understanding all of these uses and having a practice that thrives on creating places where people choose to spend their time is imperative. We need to remember that people do not go to places that reflect who they are, they gravitate to places that reflect where we have come from and how they imagine themselves to be in the future. We must make that connection.

We need to create a clearly articulated narrative for the Lake Monona Waterfront that resonates with a wide audience and that we can use to measure every design decision we make. Every dollar we spend should be in service to the community's story. With this initial scope of work for design we have the opportunity to create a compelling story and translate that story into a multitude of physical moves that will shape and transform the

market. We will have people saying I want that, or I want to be a part of that. A carefully choreographed narrative translated into unique compelling places will lead to long term value creation serving as an attractor to residents and visitors alike.

It is much easier to get people to fall in love with a story than a design. We are excited to work with key stakeholders and the community to create a clearly articulated vision for the lake Monona Waterfront that will be universally supported. We are best suited for this effort because of our unique ability to find what is important, crystalize the narrative, and provide a translation that resonates with all stakeholders.

The following are critical considerations that will inform our approach to the desired scope of work.

CREATE A DESTINATION PARK FROM A COLLECTION OF PARTS.

The Lake Monona Waterfront will be composed of a choreographed set of dynamic and fixed landscapes that must seem continuous with enough excitement and variety to bring people back again and again. The waterfront must also be accessible and well-integrated with the city and downtown.

TURN CONSTRAINTS INTO ASSETS.

Many of the areas along the waterfront are quite narrow. We have taken areas no wider than a tennis court and created valuable, award-winning waterfront destinations, like at West Harlem Piers Park, where we used diagonals to expand the space visually and piers to expand it physically.

MAKE THE MOST OF THE DECK STRUCTURE OVER THE HIGHWAY.

We have built many landscapes on structure, from The Edge in Brooklyn, where the line between over structure and on land disappears to make a stunning landscape on axis with the Empire State building. We have also built large parks on decks for private use, for instance for Prudential's headquarters in Newark NJ where we carefully calculated the weight of various areas we were designing to allow for most economic use of the existing structure to create a ___ two acre amenity one. We have created at least ten roof decks, on existing and proposed structures, using this principle to create cost-effective beautiful spaces.

A DESIGN THAT PROVIDES VALUE.

The design will build on existing opportunities to create a place that grows from what exists and generates new interest, culturally, ecologically, and economically. Value comes from using existing opportunities and dramatizing them to make them special, like the across-river view to Manhattan at The Edge (our waterfront park in Brooklyn) where we created a new angled pier in axial relationship to the Empire State Building, creating an instant Instagram opportunity and hangout. We look forward to making new places highlighting your view to

Value also comes from making places that function in multiple ways, for multiple communities, and throughout the day and the year, like our large gathering space at St Pete Pier, which is populated by different groups at different times of the day and has become the city's new heart. Or our slim but well-loved park in West Harlem, reclaimed from the riverfront infrastructure there to allow that community river access. Similarly, we want to bring Madison down to its river, in a way that makes each part of the waterfront special.

Another way of providing value is the way we help during the design process to create "the project". Where is money best spent to have impact, where can we save money? Our leadership in project design and budgeting insures an implementable and sustainable catalyst for the downtown—a destination that attracts residents and tourists.

IMPROVE HABITAT AND WATER QUALITY

The lake edge is the main attraction here, but all too often, in changing the environment for people, it ruins the ecology of the whole, making it less desirable for animals that work to clean the water, as well as for

plants that also help filter water and hold sediment. Working together with our ecologist, Steven Handel, we will create in-water, water's edge and upland treatments that will improve water quality and well as habitat. We will diversify the shoreline as well as provide access for people in ways that support lake health. This will also include working in the water to contour the shore line for in-water plant health and habitat.

PRIORITIZE THE USER EXPERIENCE.

Creating a high performing place is no small feat. The W Team's placemaking approach is based on almost 50 years of research into human environments that is applied to creating vibrant and healthy places that cultivate amazing user experiences. Key principles of shaping the user experience along the Lake Monona Waterfront are:

- Making easy connections to variouos adjacent access- especially for the pedestrian. A continuous interesting ___ keeps people moving and engaged.

- A programming scaffold comprising a combination of anchor attractions and everyday uses to activate the waterfront.

- Pattern mining to understand and leverage affordances and activities. They tend to work best when they are located along natural flows where people enter and cross a space. Choreographing these gravitational patterns is a natural way to work with a long and varied site like the Lake Monona Waterfront and its major attractions that generate foot traffic.

- Comfort and amenitization in the forms of safety, maintenance, weather protection, lighting, food and drink, music, restrooms, shade and temperature control.

- Scalability to ensure that the waterfront works well for individuals and families on quiet Tuesdays, busy Saturdays, in summer and winter, and during major events.

- Separating yet integrating users with different purposes and traveling by different modes. While each area must be carefully and distinctly programmed for all users, thought should also be given to creating optionality and redundancy to enhance safety and minimize conflicts between users.

INTEGRATE AND CELEBRATE CULTURAL HERITAGE AND INTERPRETATION.

MIG has a range of specialists including historic architects, interpretive specialists, and environmental graphic specialists who have performed similar services for similar collections of community amenities. We will work to integrate history with the vision for renewal and placemaking that is fundamental to the future success of the waterfront and should be a strong emphasis for the preferred design. First, historic resources should be restored and adapted for new uses. They will serve as anchors for the community and provide reference points for visitors, employees and residents. They also can demonstrate how historic resources play key roles in sustainability and resiliency. Historic development patterns, once seen in the organization of outdoor spaces, circulations systems and building groupings, will provide cues for contemporary design solutions.

While the renewed built environment will express a connection to the area's history, other aspects will be conveyed through innovative interpretive tools. For instance, W and MIG will convey the waterfront's history with interpretive features, including permanent exhibits, markers, site design elements and public art. We will also explore how references to the past can be expressed in site planning and landscape design, in the ways in which circulation patterns are organized, in the arrangement of buildings and in the organization of outdoor places.

MAINTENANCE AND STEWARDSHIP

Early consideration of maintenance and stewardship will extend the design into the long term. People need to feel that a park is "theirs". Stewardship, pride and resiliency are built not only from the human stories of the landscape, but also the ecological stories. It is important to engage the community in their understanding and find confluence between the physical and the cultural so that stewardship is embedded in the project.

The Lake Monona Waterfront will be composed of a choreographed set of dynamic and fixed landscapes that must seem continuous and integrated, despite the possibility for various maintenance partners. Coordinating and determining these agreements will be integrated with the design process so that the public perception of the project is as one. This was our charge in St Pete, where divisions between projects have disappeared. Also, our many projects along the NY waterfront connect with others built at different times, but with some key similar components. We design with this maintenance in mind, and also seek areas where small scale, revenue-generating interventions could be located, to help the financial costs of maintaining the Lake Monona Waterfront.