

TASK ORDER No. 2

Dated this _____ day of _____, 2019

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

DC ALEXANDER PARK IMPROVEMENT PROJECT

PROFESSIONAL SERVICES

This Task Order between the City of Fort Lauderdale, a Florida municipal corporation ("CITY") and Keith and Associates, Inc., an incorporated company authorized to transact business in Florida, ("CONSULTANT") is pursuant to the 12028-476 Consulting Services Agreement for Landscape Architecture and Civil Engineering Services for the DC Alexander Park Improvement Project and dated July, 9, 2019.

PROJECT BACKGROUND

The Fort Lauderdale Community Redevelopment Agency (CRA) for the Beach area has been successful in its contribution to the economy of our City and advancing the identity of Fort Lauderdale into a year-round international tourist destination, as well as home to all within our community.

The DC Alexander Park Improvement Project is part of implementing the overall Central Beach Master Plan and advancing the Beach Community Redevelopment Plan adopted by the City Commission. This key public parcel sits at the hinge point between the Swimming Hall of Fame and Fort Lauderdale Aquatics Center and the beach – two very active, public uses – yet it is devoid of any meaningful activity. There are several reasons for this. First, there is no focal point or organization to the park; it is a simple lawn with trees, and does not offer places to sit, paths to stroll, or space for recreation. Second, pedestrian connections to and from the park are not emphasized, so it lacks a true relationship with either the beach to the east or the Hall of Fame to the west. The park is also separated from the retail to the north along SE 5th Street and the new development being constructed to the south.

The potential exists for the park to be programmed with events and designed as an active destination. The planned enhancements have the opportunity and responsibility to enhance the Fort Lauderdale Beach experience. Creating a signature family-oriented artistic interactive appurtenance and creating flexible spaces for day to day gatherings and special events is crucial to the success of the improvements. DC Alexander Park should become a focal point and also a shady respite for residents and tourists participating in activities in this area of Fort Lauderdale Beach.

The key elements of the project are the following:

- Signature family-oriented artistic interactive appurtenance
- Shaded seating areas
- Restroom facility
- Inviting greenspace and landscaped areas
- Two-way SE 5th Street
- Safety (traffic bollards, blue light phones, security cameras, etc.)

The overall goals for this project include:

- A focus on creating pedestrian priority within SE 5th Street;
- The creation of a world-class legacy project for the community;
- Keeping an eye on the vision of the future; with an understanding of future redevelopment, transportation innovations, future population demands, climatic change and future programming for beach events and activities;
- Sustainability through environmentally conscious planning and design, understanding future maintenance requirements, Sustainable principles;
- Creating a memorable and iconic place on the beach, with a clear vista of the Atlantic Ocean, appropriate open space that is flexible for programmed events, as well as day to day activities for residents and tourists alike.

The critical urban design principles that will inform the design of DC Alexander Park, as described by the Central Beach Master Plan and the Beach Community Redevelopment Plan will include:

- Pedestrian Connectivity
 - Enhance connectivity to create a continuous Central Beach experience
 - Provide for an active pedestrian environment throughout the Central Beach area, particularly between the Intracoastal Waterway and the Beach.
- Gathering Places
 - Create a variety of usable public spaces for daily use, as well as special events and performances. Plan for infrastructure needs for special events, but design spaces that are memorable, iconic, and work on a day to day basis.
 - Provide for a mix of land uses that will foster family activity and recreation in the Central Beach area and provide opportunities for the expansion of tourist-related facilities and activities.
- Streetscape
 - Allow for multi-modal transportation to work (Trams, Sun Trolley, Busses, and bikes). Create great space for the interface of these modes, when appropriate – station, stops, etc.
 - Re-establish and enhance the branding of the beach and the streetscape vocabulary through site elements, landscape, hardscape, and lighting.
 - Establish a comprehensive identity and way finding system – make it part of the street vocabulary.
- Make it Iconic and Memorable
 - Our City has been and will continue to be known because of our beach. The DC Alexander Improvements provide an opportunity to further enhance this brand and become the iconic beach place in all of Florida.

Picture A – Project Conceptual Plan @ 15% Design



GENERAL REQUIREMENTS

Design Standards

The CONSULTANT shall be solely responsible for determining the standards the work shall meet and obtain all the requisite regulatory approvals. The design shall include, but is not limited to, the plans and specifications, which describe all systems, elements, details, components, materials, equipment, and any other information necessary for construction. The design shall be accurate, coordinated between disciplines, and in all respects, adequate for construction, and shall be in conformity, and compliance, with all applicable laws, codes, permits, and regulations.

Quality Control

The CONSULTANT is responsible for the quality control (QC) of its work and of its sub-consultants. The CONSULTANT shall provide to the City the list of sub-consultants which shall be used for this project. This list shall not be changed without prior approval of the CITY. All sub-consultant documents and submittals shall be submitted directly to the CONSULTANT for its independent QC review. The City shall only accept submittals for review and action from the CONSULTANT.

The CONSULTANT shall be responsible for the professional quality, technical accuracy, and coordination of all pre-design services, designs, drawings, specifications, and other services furnished by the CONSULTANT and its sub-consultant(s). It is the CONSULTANT's responsibility to independently and continually QC its plans, specifications, reports, electronic files, progress payment applications, schedules, and all project deliverables required by this task order. The CONSULTANT shall provide the CITY with a marked up set of plans and/or specifications showing the CONSULTANT's QC review. Such mark-ups shall accompany the CONSULTANT's scheduled deliverables. The submittal shall include the names of the CONSULTANT's staff that performed the QC review for each component (structures, roadway, drainage, etc.).

Project Schedule

The CONSULTANT's preliminary project schedule is attached as Exhibit D of this task order. The schedule shall utilize an estimated Notice-to-Proceed (NTP), based on best available information.

The CONSULTANT shall submit a final project schedule to the CITY, for approval, within 10 business days after receiving the NTP and prior to beginning work. This final schedule will be submitted using Microsoft Planning and No work shall commence without an approved schedule. The final schedule shall include design, permitting activities, submittal review timeframes, and other project activities as required to complete the work. The CONSULTANT shall submit updated project schedules as required in the specific scope of services.

Permitting

The CONSULTANT shall coordinate with the CITY, regulatory agencies, and any other government entity having an interest or jurisdiction, which may require permits for this project. The CONSULTANT shall provide an estimate of fees and duration associated with the permitting process. Some of the regulatory or permitting agencies associated with this project include, but are not limited to:

- Broward County Environmental Protection and Growth Management Department (BCEPGMD)
- Broward County Environmental Licensing and Building Permitting
- CITY's Department of Sustainable Development (DSD) City Building Permit
- Broward County Health Department (BCHD)
- Florida Department of Environmental Protection (FDEP) and Fish and Wildlife Commission (FWC)
- Florida Department of Transportation (FDOT)

SCOPE OF SERVICES AND DELIVERABLES

The project will be implemented in three (3) stages in order to further develop the proposed concepts as developed in Stage I and II and build consensus with stakeholders of the community. Stage III will include development of the plans and cost estimates at the 30%. Stage IV will include detailed design plans at 60% and Final for Construction. Stage V will include permitting, bidding and construction. At each of the stages a presentation will be made to stakeholders, the Beach Redevelopment Advisory Board, the Parks, Recreation and Beaches Advisory Board, and the City Commission to ensure consensus of the scope and financial commitment of the project milestones.

Phase II

Phase II consists with the ongoing design and development stages as well as construction and implementation of the overall project. As there are a number of programming and design decisions to make, continued stakeholder involvement will be key. More specifically, Phase II consists of two (2) stages. These stages are:

- **Stage Three III: Development of Schematic Design/Site Plan Submittal 30% Design**
- **Stage Four IV: Development of Detailed Design at 60% and Final for Permit**

Each stage has been formulated to gain a greater understanding of the overall project and to move the design process forward towards implementation. At the conclusion of Stage Four and start of Stage Five, the project will be ready for construction.

Stage Three: Development of Schematic Design/Site Plan Submittal 30% Design **(Duration 2-3 months)**

Based on the approved conceptual plan (15% Design), Stage Three consists primarily of the tasks associated with finalizing the project programming and design. During this phase of work, the CONSULTANT will work closely with the CITY on the necessary confirmation of the program elements and more refined design documentation. The CONSULTANT will be available for meetings and will provide updated information as described below, to help disseminate information to the City Commission, Beach Redevelopment Advisory Board (BRAB), Parks, Recreation and Beaches Advisory Board. The CONSULTANT will be responsible for all public outreach activities as described in the scope of services.

More specifically, this stage of work focuses on starting the project with a sound footing and understanding of the project goals, objectives, timeline expectations, budgets, City team members, and an appropriate protocol for communication is vital. During this initial phase of work, the CONSULTANT will focus on the following tasks:

A. Finalize Base and Survey Data

1. CONSULTANT shall prepare a Boundary and Topographic Survey of the site. Survey shall show the boundary lines and surface features such as sidewalk, pavement, and buildings. Survey shall extend across the adjoining rights-of-way and will include traffic striping, parking striping, curb lines, etc. Survey shall include all surface utilities and sub-surface utilities marked by the SUE designations. Drainage and Sanitary structures will be noted with invert elevation, size, material and direction. Elevations will be noted at an interval of approximately 50 feet, including any intermediate changes in grade. Buildings will be noted with their dimensions, finished floor elevations and measurements to the nearest boundary lines. Trees will be located and noted by trunk diameter and common name. Survey shall be

referenced to the Florida State Plane Coordinate System (NAD 83/11) and the North American Vertical Datum of 1988 (NAVD88). The successive items shall include, but not be limited to the following: survey limits, boundary survey, establish benchmarks, topographic survey, tree survey (by a licensed arborist), underground utility location, and Florida Department of Environmental Protection (FDEP) survey.

2. Sub-Surface Subsurface Utility Designation, Locating and Mapping Services - CONSULTANT will follow ASCE Standard 38-02 – “Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data” during the field and office operations for this project. The quality levels discussed below are defined within the standard. CONSULTANT is to provide professional services associated with designation, location and mapping of existing subsurface utilities. CONSULTANT shall designate all known tone able and non-tone able utilities from the east wall of East A1A to the west side of Seabreeze Boulevard and from the north side of SE 5th south the new construction.
 - i. Horizontal Designation Services - (Quality Level ‘B’) CONSULTANT will horizontally mark any known tone able and non-toneable underground utilities that are represented on as-built plans, above ground appurtenances, and other miscellaneous utility records (to be provided by CLIENT). CONSULTANT will be utilizing construction chalk (not paint) to mark conductive utilities on the surface. CONSULTANT will utilize active geophysical prospecting techniques in conjunction with electromagnetic equipment utilizing passive radio and audio frequencies. Known non-conductive utilities and/or structures will be marked on the surface utilizing Ground Penetrating Radar (GPR), above ground features, professional judgment, utility plats and/or as-builts. This task does not include identifying drainage, gravity systems, service laterals, irrigation or overhead facilities.
 - ii. Location Services - (Quality Level ‘A’) (Vacuum Excavations) CONSULTANT will perform up to (24) test holes at specific sites requested by the design engineer. Test holes will be utilized to expose utilities to minimize any potential for damage. Test holes performed will be of minimum size (usually 1’ by 1’). Backfill of test holes will be performed utilizing the removed material, if suitable. Areas will be restored back as close as possible to their original condition. Installation of an identifiable above ground marker will be performed at each test hole location. Field markers will consist of a nail and disk in asphalt, or an iron rod and cap with survey stake in grassed areas. Test holes performed in the street will be patched using cold patch. The test hole number and utility will be identified on the ground or on the stake, as appropriate. A test hole summary report will be created providing coordinates, depth of cover, type, size and material if applicable.
 - iii. Mapping Services - CONSULTANT will map the utility designation and test holes, utilizing conventional (Total Station) and/or GPS surveying equipment. A multilayered CAD file will be produced from information collected in the field.
3. Geotechnical / Soil Study - The purpose of the preliminary geotechnical study is to obtain information on the general subsurface conditions at the park. The subsurface materials encountered will then be evaluated with respect to the available project characteristics. In this regard, engineering assessments for the following items will be formulated: The following services will be performed to achieve the above-outlined objectives:
 - i. Coordinate utility location services with Sunshine811 and obtain any necessary permits from the City.

- ii. Perform one Standard Penetration Test (SPT) boring to a depth of 100 feet. Samples will be collected, and Standard Penetration Test resistances will be measured at approximate intervals of two feet for the top ten feet and at approximate intervals of 5 feet thereafter.
- iii. Visually classify and stratify soil samples in the laboratory using the Unified Soil Classification System and conduct a limited laboratory testing program consisting of natural moisture content, organic content, Atterberg Limits, and single sieve analysis on representative samples as needed.
- iv. Report the results of the field exploration, lab testing, and engineering analysis. The results of the subsurface exploration will be presented in a written report, signed and sealed by a professional engineer specializing in geotechnical engineering.
- v. Identification of the existing ground water levels and estimated normal seasonal high ground water fluctuations and percolation rates.
- vi. General location and description of potentially deleterious materials encountered in the boring which may have an impact on the proposed construction.

B. Develop Schematic Design/Site Plan Application (DRC) 30% Detailed Design

Based on the approved 15% Conceptual Design, CONSULTANT will prepare for the approval of the Client the schematic design documents. The purpose of this task is to work collaboratively with the design team to finalize the optimum arrangement of all program and site design elements. These drawings will be in sufficient detail for submittal to the City's DRC review agency.

The following elements will be addressed in the schematic design phase:

1. Site program
 - a. Landscape treatment and design approach for each development zone, including refinement of design concepts for all outdoor courtyards, gardens and water amenities spaces
 - b. Hardscape and vehicular treatments
 - c. Pedestrian circulation and access issues identified in conceptual programming
 - d. Architectural canopy and architectural elements
 - e. Site furniture and educational wayfinding or signage
 - f. Civil Engineering and Calculations
 - g. Site Lighting and Low Voltage
 - h. Certified Arborist Plans

C. Preliminary Civil Engineering Design Plans

CONSULTANT shall research existing available records for the project and prepare preliminary civil engineering plans for the infrastructure improvements to support the processing of the site plan layout for the Project. The preliminary civil engineering plans shall be prepared in accordance with the CLIENT and regulatory agency requirements and will include Paving, Grading and Drainage; Water and Sewer System adjustments and services.

The Preliminary Plans are for regulatory agency (Development Review Committee, DRC), Site Plan review and approval.

The preliminary engineering plan shall include available existing utility information collected from various sources (Government Agencies, Utility providers etc.). This preliminary utility information will be relied upon by CONSULTANT in the preliminary design phase. Final design will require additional survey and Subsurface Utility investigation to verify the preliminary information supplied to or obtained by CONSULTANT. CONSULTANT will utilize

a topographic survey and site plan supplied by the CLIENT, either as identified elsewhere in this agreement or from the CLIENT's other Consultant / Surveyor, as a base for the preliminary civil plans.

Preliminary water, sanitary sewer and drainage calculations shall be performed to address the impacts of the proposed development relating to the requirements of the site plan submission. One preliminary engineering plan will be prepared based on the supplied site plan design.

The plans will contain the location of the proposed site lighting. This proposal does not include the design of the traffic signalization.

D. Public Outreach

1. Create updates to online portal to keep public aware of the progress
2. Attend and facilitate review to key stakeholders as identified in the project

E. Staff Meetings and Progress Reports

1. Attend and communicate with Staff on a regular as needed basis via meeting or conference call
2. Attend and communicate with Elected officials for progress as requested
3. Assist with development to CRA Staff of monthly summary as part of project management

Summary of Deliverables:

1. The CONSULTANT Team will develop drawings, plans, sections, site perspectives/illustrations, and other information to describe the nature, quality and scope of site elements of the project.
2. The CONSULTANT Team will furnish the schematic design submittal, which will be sufficient detail for DRC Application Submittal. This submittal also includes a revision for response to City Comments.
3. Rough order of magnitude Estimate on all program items
4. Participate in public meetings/outreach for the anticipated duration of this phase

Stage Four: Development of Detailed Design at 60% and Final for Permit
(Duration 3-4 months)

A. Design Development (60% Design)

Based on the approved Schematic Design the team will develop the Design Development documents. The purpose of this phase is to develop a clear understanding of the materials and finish for the project elements. The drawings developed during this phase will be more detailed in nature, but will not be considered construction documents. The drawings will be produced in ACAD format with supplemental hand drawings and character imagery.

Deliverables

1. Design Development Package (30% Construction Documents)
 - a. Hardscape Plan – Material type and layout
 - b. Layout Plan – General dimensions
 - c. Grading Plan – Overall spot grades
 - d. Sitework Details – General details and section/elevations for character and project understanding
 - e. Landscape Plan and Details – Key elements, layout and coordination
 - f. Irrigation Plans and Details - Zone layout and mainline configuration – determine cistern/grey water vs. potable water distribution

- g. Lighting Plan and Details – Fixture type and general location
 - h. Architectural Canopy and Restroom Structure -
 - i. Site Furniture – Furniture layout and general type of elements coordinated with interiors
2. 3D visualization and renderings – As a part of this effort the CONSULTANT Team will work with the development team to develop a series of 3-Dimensional renderings that will support the review and understanding of the site and landscape elements.
 3. Outline Specifications – Develop text format specification for all areas noted above
 4. Opinion of Cost – Develop an updated opinion of cost for all elements noted above
 5. Meetings and Team Coordination – During the specified duration in the project schedule, the CONSULTANT team will attend all required meetings and coordination. It is assumed all meetings will be in South Florida.

B. Construction Documents (Final for Permitting)

Based on the approved Design Development phase, CONSULTANT will develop the construction documents in coordination with the overall design team and CLIENT. The drawings will be developed in preliminary documentation for review and coordination, as well as a final for Permit or 100% Construction Documentation.

Deliverables

- A. Construction Documents (Preliminary and Final Construction Documents)
 - a. Demolition Plan –
 - b. Erosion Control Plans –
 - c. Paving Grading Drainage Plan –
 - d. Water Distribution and Sanitary Sewer Plans
 - e. Hardscape Plan – Material type, layout and pavement marking and signing
 - f. Layout Plan – Key dimensions and digital layout coordination
 - g. Grading Plan – Detail spots, contours and FFE indication
 - h. Sitework Details – General details and section/elevations for character and project understanding
 - i. Landscape Plan and Details – Specific elements, specification, quantity and layout
 - j. Irrigation Plans and Details – Head layout, controller types, equipment and details
 - k. Lighting Plan and Details – Fixture type, layout and catalog cut sheets
 - l. Architectural Canopy and Restroom Structure -
 - m. Site Furniture – Furniture layouts and specific catalog cuts and material selections
- B. Specifications –Text format specification for all areas noted above
- C. Opinion of Cost – Develop an updated opinion of cost for all elements noted above at 60% for review and approval – Coordinate with selected General Contractor.

C. Public Outreach

4. Create updates to online portal to keep public aware of the progress
5. Attend and facilitate review to key stakeholders as identified in the project

D. Staff Meetings and Progress Reports

- a. Attend and communicate with Staff on a regular as needed basis via meeting or conference call
- b. Attend and communicate with Elected officials for progress as requested
- c. Assist with development to CRA Staff of monthly summary as part of project management

Summary of Deliverables:

1. The CONSULTANT Team will develop drawings, plans, sections, site perspectives/illustrations, and other information to describe the nature, quality and scope of site elements of the project.
2. The CONSULTANT Team will furnish the Design Development (60%) and Construction Documents submittal, which will be sufficient detail for Permit Application.
3. Participate in public meetings/outreach for the anticipated duration of this phase

Stage Five: Permitting, And Bidding Assistance **(Duration 4 months)**

A. Permitting

CONSULTANT shall attend required pre-application meetings with agencies having jurisdiction over the facilities designed by CONSULTANT, and prepare and submit the permit applications for the construction of the following improvements and process them through the following regulatory agencies:

Development Review

- Site Plan/Design Review (assumes site plan approval process to be led by CLIENT)
- City – Planning and Development Board
- Floodplain Management

Water and Sewer System

- Broward County Environmental Protection and Growth Management Department (BCEPGMD) – Sanitary Sewer
- Florida Department of Environmental Protection (FDEP) –Water and Sanitary Sewer
- Broward County Water and Wastewater (BCWWS) – Sanitary Sewer
- City – Water and Sanitary Sewer

Paving, Grading, and Drainage System

- Broward County Environmental Protection and Growth Management Department (BCEPGMD) – Stormwater
- Florida Department of Environmental Protection (FDEP) – Stormwater ERP
- Florida Department of Environmental Protection (FDEP) – NPDES/SWPPP
- City Engineering Division

Pavement Markings and Signage

- County Traffic Engineering Division
- City Engineering

If additional permits are required, CONSULTANT shall process them and the fees for these additional services will be submitted to CLIENT as additional services under a contract addendum if required.

B. Bidding

CONSULTANT shall provide bidding assistance to the CLIENT by developing a bid sheet based on the permit drawings. CONSULTANT will also develop a Bid Set of drawings that can be utilized to solicit potential bidders for the project. CONSULTANT will assist in facilitating a pre-bid meeting to answer questions and create clarifications to the bidding relative to the construction documents and intended project. Based on the bid data received CONSULTANT will develop a comparison

table and assist the CLIENT in reviewing the bid submittals. If necessary CONSULTANT will develop a number of alternative bid items to ensure the project is on budget.

PROJECT ASSUMPTIONS

- CITY shall provide access to site.
- City shall provide existing electronic CAD files, if available. It is the CONSULTANT's responsibility to verify accuracy.
- It is the CONSULTANT's responsibility to verify existing geometry is acceptable to all permitting agencies.

ADDITIONAL SERVICES

If authorized in writing by the CITY, as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain, Additional Services of the types listed in the MASTER AGREEMENT. The CITY, as indicated in the MASTER AGREEMENT, will pay for these services.

PROJECT FUNDING

Performance of this project is at the CITY's discretion and may be contingent upon the CITY receiving funding and work shall not begin until the CITY provides a Notice to Proceed to CONSULTANT.

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed method of compensation. The total hourly rates payable by the CITY for each of CONSULTANT's employee categories, reimbursable expenses, if any, and sub-consultant fees, if any, are shown on **Exhibit A, B, and C** attached hereto and made a part hereof. Pay application requests shall be prepared on the CITY's approved pay application request form. The CONSULTANT shall submit the pay application request to the CITY's Project Manager for review and approval. Once the CITY's Project Manager approves the CONSULTANT's pay application request, the CONSULTANT may submit it to the CITY's accounts payable department via email (AcctsPayable@fortlauderdale.gov). Pay application requests shall be submitted monthly.

TERMS OF COMPENSATION

Services will be provided for the following Not-to-Exceed amounts:

Stage Three III – 30% Design	\$90,987.50
Stage Four IV – Final Design	\$195,340.00
Stage Five V- Permitting and Bidding Assistance	\$28,815.00
Reimbursable Expenses	\$5,500.00
Test Holes + Geotechnical Consultant	\$17,358.98
Grand Total	\$338,001.48

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov after getting approval from the CITY's Project Manager. All other correspondence and submittals should be directed to the attention of Chijioke Ezekwe, Project Manager, at the address shown below. **Please be sure that all correspondence refers to the CITY project number and title as stated above.**

Chijioke Ezekwe, PE, CCM
Project Manager
Community Redevelopment Agency
City of Fort Lauderdale
914 NW 6th Street, Suite 200
Fort Lauderdale, FL 33311
(954) 828-4008
tgreem@fortlauderdale.gov

CONSULTANT CONTACTS

Paul Weinberg, PLA
Project Manager
Keith & Associates, Inc
2312 S Andrews Avenue
Fort Lauderdale, FL 33316
(954) 788-3400
pweinberg@KEITHTeam.com

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CITY

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

ATTEST:

CITY OF FORT LAUDERDALE, a municipal
corporation of the State of Florida.

JEFFREY A. MODARELLI
City Clerk

Chris Lagerbloom, City Manager

Approved as to form:

RHONDA MONTOYA HASAN
Assistant City Attorney

CONSULTANT

WITNESSES:

Keith and Associates, Inc.

[Witness signature]

By _____
Adolphine Keith-Lazowick
President

[Print Name]

[Witness signature]

[Print Name]

ATTEST:

(CORPORATE SEAL)

By _____
Elizabeth Lazowick
Secretary

STATE OF _____:
COUNTY OF _____:

The foregoing instrument was acknowledged before me this _____ day of _____, 2019, by Adolphine Keith-Lazowick as President for Keith and Associates, Inc., a Florida corporation.

(NOTARY SEAL)

Notary Public, State of Florida
(Signature of Notary Public)

Name of Notary Typed, Printed or Stamped

Personally Known _____ OR Produced Identification _____

Type of Identification Produced _____

Exhibit A- Team Proposed Fee Schedule

PROPOSAL FEES																				
Our Project/Proposal Number		Personnel and Hourly Rates																		
Proposal Date		01	11	33	34	35	36	50	52	61	70	79	80	81	82	83	93	95	96	Task Subtotals
Tasks		Administrative Assistant	CADD Technician	Landscape Designer	Senior Landscape Designer	Landscape Architect (RLA)	ISA Certified Arborist	Project Engineer	Professional Engineer (PE)	Senior Project Manager	Principal	Senior Project Surveyor	Professional Surveyor & Mapper (PSM)	Survey Party (2) Person	Survey Party (3) Person	Survey Laser Scanning	Utility Project Engineer	Utility Coordinator	Utility Designating/GPR (2) Person	
Stage	Description	\$60.00	\$90.00	\$100.00	\$125.00	\$140.00	\$145.00	\$115.00	\$140.00	\$170.00	\$215.00	\$115.00	\$125.00	\$110.00	\$130.00	\$250.00	\$130.00	\$120.00	\$200.00	
III	Schematic Design and Site Plan Submittal (30% Design)																			\$ 70,612.50
A	Finalize Base and Survey Data									4		11.5	10		40	12	14	30	20	\$ 20,872.50
B	Develop Schematic Design and DRC Submittal	8	50	50	40	16	20	40	35	20	20									\$ 37,320.00
C	Public Outreach	5	20		10					12	8									\$ 7,110.00
D	Staff Meetings and Progress	5			10					12	8									\$ 5,310.00
IV	Detailed Design and Construction Documents (100% Design)																			\$ 98,090.00
A	Design Development 60% Detail	8	60	60	40	20		40	20	30	20									\$ 36,480.00
B	Construction Documents 100% Detail	16	80	80	60	30		55	25	35	15									\$ 46,860.00
C	Public Outreach	5	10							20	15									\$ 7,825.00
D	Staff Meetings and Progress	5								20	15									\$ 6,925.00
V	Permitting, Bidding and Construction Observation																			\$ 25,815.00
A	Permitting							30	50	25	5									\$ 15,775.00
B	Bidding	8	20		10	10		10	10	10	4									\$ 10,040.00
Personnel Hours		60	240	190	170	76	20	175	140	188	110	11.5	10	0	40	12	14	30	20	\$ 194,517.50
Personnel Cost		\$ 3,600.00	\$ 21,600.00	\$ 19,000.00	\$ 21,250.00	\$ 10,640.00	\$ 2,900.00	\$ 20,125.00	\$ 19,600.00	\$ 31,960.00	\$ 23,650.00	\$ 1,322.50	\$ 1,250.00	\$ -	\$ 5,200.00	\$ 3,000.00	\$ 1,820.00	\$ 3,600.00	\$ 4,000.00	
Personnel Subtotal		\$ 194,517.50																		
(97)Test Holes - Pervious (\$350.00/each)		10																		
Test Holes Subtotal		\$ 3,500.00																		
(98)Test Holes - Impervious (\$440.00/each)		10																		
Test Holes Subtotal		\$ 4,400.00																		
Geotech Subconsultant - See Exhibit B1		1																		
Arena		\$9,458.98																		
Architectural Consultant		1																		
Brooks + Scarpa		\$ 120,625.00																		
Reimbursable Expenses		\$ 5,500.00																		
GRAND TOTAL		\$ 338,001.48																		

Exhibit B – Brooks and Scarpa Fee Schedule

Brooks + Scarpa Exhibit B						
Our Project/Proposal Number						
Proposal Date		5/30/2019				
Tasks		Principal Architect	Sr. Project Manager	Sr. Designer	Draftsperson	
Stage	Description	\$215.00	\$170.00	\$130.00	\$100.00	
III	Schematic Design and Site Plan Submittal (30% Design)					\$ 20,375.00
A	Finalize Base and Survey Data					\$ -
B	Develop Schematic Design and DRC Submittal	20.0	21.5	40.0	40.0	\$ 17,150.00
C	Public Outreach	5.0				\$ 1,075.00
D	Staff Meetings and Progress	10.0				\$ 2,150.00
IV	Detailed Design and Construction Documents (100% Design)					\$ 97,250.00
A	Design Development 60% Detail	30.0	50.0	75.0	90.0	\$ 33,700.00
B	Construction Documents 100% Detail	40.0	62.4	120.0	155.0	\$ 50,300.00
C	Public Outreach	10.0				\$ 2,150.00
D	Staff Meetings and Progress	20.0	40.0			\$ 11,100.00
V	Permitting, Bidding and Construction Observation					\$ 3,000.00
A	Permitting					\$ -
B	Bidding		10.0	10.0		\$ 3,000.00
Personnel Hours		135	184	245	285	\$ 120,625.00
Personnel Cost		\$ 29,025.00	\$ 31,250.00	\$ 31,850.00	\$ 28,500.00	
Personnel Subtotal		\$ 120,625.00				
GRAND TOTAL		\$ 120,625.00				

Exhibit C – Arena Fee Schedule


 AREHNA Engineering, Inc.					
PROPOSAL FEE ESTIMATE SHEET			Prepared for: Keith & Associates Daniel Checchia		
DC Alexander Park, City of Ft. Lauderdale, Broward County					
Consultant: AREHNA Engineering, Inc. Prepared by/ Date: A. Alba/ 01-12-2018					
AREHNA Project No. B-Prop-18-003					
GEOTECHNICAL ITEM	UNIT	NO. OF UNITS	UNIT COST	TOTAL COST	REMARKS
A. SUBSURFACE EXPLORATION AND LABORATORY SERVICES:					
SUBSURFACE EXPLORATION:					
1. 514. Truck Rig Mobilization	Each	1	\$ 440.00	\$ 440.00	
2. Soil Borings					
a. Soil Test Borings (SPT)					
478. Geo SPT Truck/ Mud Bug 0 - 50 ft	Feet	50	\$ 13.30	\$ 665.00	
479. Geo SPT Truck/ Mud Bug 50 - 100 ft	Feet	50	\$ 15.67	\$ 783.50	
488. Geo Temp Casing 3" Truck / Mud Bug 0 - 50 ft	Feet	50	\$ 7.75	\$ 387.50	
489. Geo Temp Casing 3" Truck / Mud Bug 50 - 100 ft	Feet	50	\$ 9.00	\$ 450.00	
3. 440. Geo Grout Boreholes - Truck/ Mud Bug 0 - 50 ft	Feet	50	\$ 5.00	\$ 250.00	
4. 441. Geo Grout Boreholes - Truck/ Mud Bug 50 - 100 ft	Feet	50	\$ 5.95	\$ 297.50	
15. 418. Geo Drill Crew Support Vehicle	Day	2	\$ 151.33	\$ 302.66	
Subsurface Exploration Subtotal				\$ 3,576.16	
B. LABORATORY TESTING:					
1 822. Soils Particle Size Anlys AASHTO T88 (No Hydrometer)	Each	3	\$ 58.50	\$ 175.50	
2 812. Soils Materials Finer than 200 Sieve FM 1-T011	Each	4	\$ 35.50	\$ 142.00	
3 819. Soils Organic Content Ignition FM 1 T-267	Each	1	\$ 38.00	\$ 38.00	
4 817. Soils Natural Moisture Content Laboratory AASHTO T26	Each	6	\$ 13.15	\$ 78.90	
5 811. Soils Liquid Limit AASHTO T89	Each	-	\$ 45.13	\$ -	
6 826. Soils Plastic Limit & Plasticity Index AASHTO T90	Each	-	\$ 47.70	\$ -	
7 810. Soils Limerock Bearing Ratio (LBR) FM5-515	Each	-	\$ 310.00	\$ -	
8 832. Splitting Tensile Strength of Rock Cores	Each	-	\$ 90.00	\$ -	
9 838. Unconfined Compression of Rock Cores	Each	-	\$ 90.00	\$ -	
	Each	2	\$ 153.38	\$ 306.76	
Laboratory Testing Subtotal				\$ 741.16	
C. GEOTECHNICAL ENGINEERING SERVICES:					
1. Senior Designer	Man-hour	4.0	\$92.41	\$ 369.64	
2. Engineer Intern	Man-hour	18.0	\$68.20	\$ 1,227.60	
3. Secretary/ Clerical	Man-hour	1.0	\$56.63	\$ 56.63	
4. Senior Engineer	Man-hour	14.0	\$161.04	\$ 2,254.56	
5. Senior Engineering Technician	Man-hour	10.0	\$67.43	\$ 674.30	
6. Project Manager	Man-hour	3.0	\$186.31	\$ 558.93	
Burdened Cost Subtotal				\$ 5,141.66	
TOTAL Geotechnical Services - AREHNA				\$9,458.98	

Exhibit D – Proposed Schedule

No.	Schedule	Month	1	2	3	4	5	6	7	8	9	10
III	Schematic Design	Weeks										
A	Updated/Finalize Base Data	4 to 6										
B	Schematic Design	6 to 8										
C	Public Outreach	ongoing										
D	Staff Meetings	ongoing										
IV	Detailed Design											
A	Design Development	6 to 8										
B	Construction Documents	8 to 10										
C	Public Outreach	ongoing										
D	Staff Meetings	ongoing										
V	Permitting, Bidding and Construction											
A	Permitting	16 to 20										
B	Bidding	2 to 3										