

KCI TECHNOLOGIES, INC.
EXTRA WORK AUTHORIZATION 04
August 31, 2022
KCI Project No. 481903840.00

The purpose of this form is to obtain your authorization for the work requested verbally and written and to confirm the terms under which these services will be provided. KCI Technologies, Inc. (CONSULTANT) is pleased to provide the services described below as an amendment to the contract previously executed, dated **May 10, 2019**, for the Project called **Washington Park Design Services No. 2018-04**, located in City of North Miami Beach, Florida (CITY).

Invoices to: City of North Miami Beach
Attention: Jamorie Depusoir, Public Works
17011 NE 19th Avenue
North Miami Beach, FL 33162

Scope of Work: During the Site Plan review process the City developed program changes that require additional efforts for the Consultant's plan development.

Program changes include:

- a. Multipurpose field to artificial turf
- b. Ramped system playground
- c. Outdoor Fitness Equipment
- d. Additive alternates of technology orientated site furnishings
- e. Memory brick pavers
- f. Expand Pool width up to 10'
- g. New water service connection for residential homes on 1400 block of NE 152 Terrace
- h. Florida Green Building Certification criteria and application
- i. Incorporate library into the building footprint
- j. Expand banquet room
- k. Add video security / technology package for the site and building
- l. Additional/Modifications of renderings

A. Supplemental Scope:

The following voice and data infrastructure, security, and audio video design services and FGBC administration are added under the architectural design services:

1. Voice and Data systems infrastructure - This will include WiFi system for the building and the park site. Network servers and switches to be provided by City IT department.
2. Security System – CCTV, Access Control, and burglar alarm system

3. Audio / Visual systems for all assembly spaces, including Public Announcement (PA) system.
4. FGBC Administration

Detailed description of the Technology and FGBC services are provided below:

Technology and Florida Green Building Coalition (FGBC) Services

1. Voice And Data Infrastructure Design Services

- 1.1. CONSULTANT will prepare preliminary floor plan layout indicating required connections (cabling, passive, and active hardware requirements) supporting systems.
- 1.2. The following is a summary of voice/data related design services included:
 - 1.2.1. Information Transport systems in compliance with BICSI and ANSI/TIA cabling standards.
 - 1.2.2. Entrance facility design with conduit infrastructure for telecommunications and cable TV to the property lines for the outside utility providers. Coordinate infrastructure requirements with utility providers. One service entrance is expected.
 - 1.2.3. Detailed layout and associated schedules for IT closets and equipment rooms to support system design, including electrical and heat load information to be provided to Mechanical and Electrical Engineer of Record.
 - 1.2.4. Data distribution system to accommodate Wireless Network equipment (WiFi).
 - 1.2.5. Data/internet/voice outlets in all spaces required to be determined during user group meetings.
 - 1.2.6. Vertical and horizontal intra-building infrastructure for Telecommunications cabling (raceways).
 - 1.2.7. In-ground inter-building infrastructure for telecommunications cabling (raceways) providing coordination for space considerations with architectural and MEP systems.
 - 1.2.8. Develop a cabling standard for the project with client input. Voice/Data Horizontal Structured Cabling System with copper Cat5e, Cat6, or Cat6A UTP cabling to areas.
 - 1.2.9. Fiber optic voice and data backbone throughout the building.
 - 1.2.10. Develop a labeling and numbering scheme with Owner input.
 - 1.2.11. Develop testing procedures for all copper and fiber optic cabling systems.
 - 1.2.12. Provide and coordinate power needs to devices throughout the buildings to Electrical Engineer to service data wired and wireless equipment.

2. Security Design Services

- 2.1. CONSULTANT will prepare preliminary floor plan layout indicating required access control system, video surveillance (CCTV), and intrusion detection system.
- 2.2. The following is a summary of security related design services included:

- 2.3. Coordination with the team to understand current security system capabilities and the project's security system integration goals and budget. Prioritize the requests to allow as much system functionality within the budget.
 - 2.4. Design an access control system that meets the project's needs and integrates into the existing security environment (pending confirmation with the end user). Specify code compliant access control equipment. Design services will include biddable documents with complete floor plan layouts, Access Control system selection and recommendation, door hardware coordination, card reader and card creation hardware if required, door hardware and equipment coordination matrix, door installation details, and full Architectural Specifications.
 - 2.5. Provide a Closed-Circuit Camera System design that meet's the project's needs and integrates into the existing CCTV environment (pending confirmation with the end user). Design services will include biddable documents with complete floor plan layouts, Video Management System (VMS), camera selection, network attached storage equipment, bandwidth/storage calculations, coverage areas, installation details, and full Architectural Specifications.
 - 2.6. Coordination with the systems being designed in the spaces including HVAC, plumbing, fire protection, electrical, architectural, structural, and furniture systems.
 - 2.7. The following is a summary of security related services included in this proposal:
 - 2.7.1. Security system design to include equipment selection suitable for bid and construction for an integrated security system. The system will include access control, closed circuit television (CCTV) surveillance, and an intrusion detection system.
 - 2.7.2. Design of exterior/interior CCTV coverage of spaces as indicated by the Owner.
 - 2.7.3. Intra-building horizontal infrastructure for security cabling.
 - 2.7.4. Coordination of the security design with the selected hardware vendor and the Architect and will provide a door matrix indicating responsibility of each associated device.
 - 2.7.5. Provide power requirements for the security equipment to the electrical engineer for their inclusion into the electrical support documents.
3. Audio/Video Design Services
- 3.1. Coordination with the team to understand system functionality requirements and system budget. Make system recommendations to meet the functionality requirements and budget.
 - 3.2. Provide complete functionality narratives, floor plan layouts, signal flow diagrams, installation details, and specifications.
 - 3.3. Coordination with the systems being designed in the spaces including HVAC, plumbing, fire protection, electrical, architectural, structural, and furniture systems.
 - 3.4. Provide a set of documents that can be competitively bid.
 - 3.5. The following is a summary of A/V related services included:
 - 3.5.1. Cable TV system and information system display design for locations to

be determined during coordination meetings with the Team.

- 3.5.2. Banquet Room audio/video system.
- 3.5.3. Zoned paging (PA) and background music system for facilities and site.
- 3.5.4. Multipurpose Room and Arts/Crafts audio/video system.

4. Florida Green Building Coalition (FGBC) Administration Services

4.1. CONSULTANT will provide FGBC certification related credit administration services that includes:

4.1.1. Organize and facilitate required 4-8 hour long FGBC charrettes in collaboration with client. This includes:

- 4.1.1.1. Facilitate the charrettes in concert with owner
- 4.1.1.2. Moderate meeting
- 4.1.1.3. Develop and route minutes
- 4.1.1.4. Track assignments

4.1.2. Develop comprehensive FGBC Plan to detail the credits being targeted, the credit requirements, the strategies to meet the credit requirements, the action steps required and the responsible party.

4.1.3. Track and report status and activity of FGBC credits.

4.1.4. Register the project with the FGBC (Fees to be paid by client)

4.1.5. Develop a submission Schedule

4.1.6. Provide consultation to the project's major systems design teams regarding:

- 4.1.6.1. Design
- 4.1.6.2. Method
- 4.1.6.3. Materials
- 4.1.6.4. Additional Expertise

4.1.7. Development, coordination and tracking of action items with the design teams throughout all Phases using the FGBC Plan.

4.1.8. Assist responsible parties in FGBC calculations for Project Management, Energy, Site, Water, Health, and Materials and Disaster Mitigation and Durability Credits.

4.1.9. Assist in the development and /or review of FGBC specific specification language for materials, equipment, submittal procedures, Construction Waste Management, and Construction Indoor Air Quality Management

4.1.10. Train contractor and subcontractors on FGBC requirements and FGBC record keeping

4.1.11. Responsible for coordinating the assembly of the FGBC Documentation submission

4.1.12. Meetings:

- 4.1.12.1. Design - Up to three (3) in person FGBC coordination and design review.

4.2. Required Commissioning services to the project scope.

4.2.1. At a minimum, FGBC requires the below items to be included in the prerequisite

scope:

- 4.2.1.1. Develop Commissioning Specifications for the Project. It is not the responsibility of the Consultant to incorporate the Commissioning Requirements into the Project plans.
- 4.2.1.2. Review of Owners Project Requirements and Engineer's Basis of Design
- 4.2.1.3. Review Test and Balance Report to ensure that T&B was completed for common areas. Testing and verification (to be performed by others) must include at a minimum, Heating, Ventilation, Air Conditioning and Refrigeration
- 4.2.1.4. HVAC&R systems & controls, lighting systems and controls, renewable energy systems, hot water system, and energy and water measurement devices. Testing and verification shall be performed by a licensed engineer or a professional certified by the National Environmental Balancing Bureau (NEBB), the Associated Air Balance Council (AABC), or other nationally accredited organization.

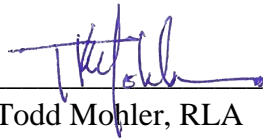
B. Additional Fees

The following fees are added to the agreement to incorporate the program changes.


Amendment 4 Fees			
Task #	Task	Fee	Fee Type
	TASK 1 – Surveying		
1.01A	Update Boundary Limits Only	\$ -	N/A
1.01B	Update Boundary Limits & Improvements	\$ -	N/A
1.02	Update Subsurface Utility Targeting Service	\$ -	N/A
1.03	Topographic Survey	\$ -	N/A
1.04	Geometric Control Plan	\$ -	N/A
	TASK 1 – Surveying	\$ -	
	TASK 2-Public Outreach and Programing		
2.01	Public Outreach Update	\$ -	N/A
2.02	Final Conceptual Site Plan Update	\$ -	N/A
2.03	Building Facility Spatial Programming - Update	\$ -	N/A
	TASK 2-Public Outreach and Programing	\$ -	
	TASK 3-Preliminary Design (30% Plans)		
3.01	Preliminary Work and Data Collection	\$ -	N/A
3.02	Preliminary Site Plan Update	\$ 27,112.00	Lump Sum
3.03	Preliminary Architectural Design Update	\$ 121,780.00	Lump Sum
3.04	Planting Plan	\$ -	N/A
3.05	On-Site Drainage Analysis Update	\$ -	N/A
3.06	Preliminary Schematic Civil Engineering Design Update	\$ 6,886.00	Lump Sum
3.07	Preliminary Design Meetings	\$ 2,496.00	N/A
3.08	Preliminary Architectural FGBC Strategy Development	\$ -	N/A
	TASK 3-Preliminary Design (30% Plans)	\$ 158,274.00	
	4 TASK 4 - Design Development (60% Plans)		
4.01	Design Development Site Plan	\$ 45,180.00	Lump Sum
4.02	Community Center Program Revisions Coordination	\$ -	N/A
4.03	Design Development Planting Plan	\$ -	N/A
4.04	Irrigation Plan	\$ -	N/A
4.05	Design Development Civil Engineering	\$ 10,334.00	Lump Sum
4.06	Design Development Architectural	\$ 36,385.00	Lump Sum
4.07	Pool and Splash Pad Design Development	\$ -	N/A
4.08	Site Plan Processing	\$ -	N/A
4.09	Design Development Meetings	\$ 11,200.00	N/A
	TASK 4 - Design Development (60% Plans)	\$ 103,099.00	
	TASK 5-Construction Documents (100% Plans)		
5.01	Site, Site Amenities, Planting and Irrigation Plan Construction	\$ 18,078.00	Lump Sum
5.02	Construction Documents Civil Engineering	\$ -	N/A
5.03	Construction Documents Phase Architectural	\$ 90,245.00	Lump Sum
5.04	Construction Documents Pool and Splash Pad Plans	\$ -	N/A
5.05	Construction Documents Meetings	\$ -	N/A
	TASK 5-Construction Documents (100% Plans)	\$ 108,323.00	
	TASK 6-Permitting	\$ -	N/A
	TASK 7 - Bidding Assistance	\$ -	N/A
	TASK 8 - Geotech	\$ -	N/A
	TASK 9 - Construction Administration	To be negotiated	N/A
	Total	\$ 369,696.00	

C. Summation of Contract Fees and Amendments

Task #	Task	Summation of Agreement Amendments					Sub Totals	
		Agreement	Amendment 1	Amendment 2	Amendment 3	Amendment 4		
		Fee	Fee	Fee	Fee	Fee	Fee	
	TASK 1 – Surveying							
1.01A	Update Boundary Limits	\$ 8,520.00		\$ -	\$ -	\$ -	\$ 8,520.00	
1.01B	Update Boundary Limits & Improvements			\$ -	\$ -	\$ -	\$ -	
1.02	Update Subsurface Utility	\$ 5,800.00		\$ -	\$ -	\$ -	\$ 5,800.00	
1.03	Topographic Survey	\$ 5,600.00		\$ -	\$ -	\$ -	\$ 5,600.00	
1.04	Geometric Control Plan	\$ 2,220.00		\$ -	\$ -	\$ -	\$ 2,220.00	
	TASK 1 – Surveying	\$ 22,140.00	\$ -	\$ -	\$ -	\$ -	\$ 22,140.00	
	TASK 2-Public Outreach and Programming							
2.01	Public Outreach Update	\$ 16,400.00		\$ 3,450.00	\$ -	\$ -	\$ 19,850.00	
2.02	Final Conceptual Site Plan	\$ 21,530.00	\$ 11,880.00	\$ 14,640.00	\$ -	\$ -	\$ 48,050.00	
2.03	Building Facility Spatial Plan	\$ 36,890.00			\$ -	\$ -	\$ 36,890.00	
	TASK 2-Public Outreach	\$ 74,820.00	\$ 11,880.00	\$ 18,090.00	\$ -	\$ -	\$ 104,790.00	
	TASK 3-Preliminary Design (30% Plans)							
3.01	Preliminary Work and Data	\$ 1,670.00		\$ -	\$ -	\$ -	\$ 1,670.00	
3.02	Preliminary Site Plan Update	\$ 5,591.00		\$ -	\$ -	\$ 27,112.00	\$ 32,703.00	
3.03	Preliminary Architectural Plans	\$ 61,780.00		\$ -	\$ -	\$ 121,780.00	\$ 183,560.00	
3.04	Planting Plan	\$ 6,236.00		\$ -	\$ -	\$ -	\$ 6,236.00	
3.05	On-Site Drainage Analysis	\$ 4,770.00		\$ -	\$ -	\$ -	\$ 4,770.00	
3.06	Preliminary Schematic Construction	\$ 11,030.00		\$ -	\$ -	\$ 6,886.00	\$ 17,916.00	
3.07	Preliminary Design Meeting	\$ 2,400.00		\$ -	\$ -	\$ 2,496.00	\$ 4,896.00	
3.08	Preliminary Architectural FGBC Strategy Development				\$ 3,530.00	\$ -	\$ 3,530.00	
	TASK 3-Preliminary Design	\$ 93,477.00	\$ -	\$ -	\$ 3,530.00	\$ 158,274.00	\$ 255,281.00	
	TASK 4 - Design Development (60% Plans)							
4.01	Design Development Site Plan	\$ 13,039.00		\$ -	\$ -	\$ 45,180.00	\$ 58,219.00	
4.02	Community Center Program	\$ 12,910.00		\$ -	\$ -	\$ -	\$ 12,910.00	
4.03	Design Development Plan	\$ 9,344.00		\$ -	\$ -	\$ -	\$ 9,344.00	
4.04	Irrigation Plan	\$ 12,610.00		\$ -	\$ -	\$ -	\$ 12,610.00	
4.05	Design Development Civil	\$ 14,420.00		\$ -	\$ -	\$ 10,334.00	\$ 24,754.00	
4.06	Design Development Architectural	\$ 101,650.00		\$ -	\$ -	\$ 36,385.00	\$ 138,035.00	
4.07	Pool and Splash Pad Design	\$ 27,630.00		\$ -	\$ -	\$ -	\$ 27,630.00	
4.08	Site Plan Processing	\$ -		\$ -	\$ -	\$ -	\$ -	
4.09	Design Development Meeting	\$ 11,200.00		\$ -	\$ -	\$ 11,200.00	\$ 22,400.00	
	TASK 4 - Design Development	\$ 202,803.00	\$ -	\$ -	\$ -	\$ 103,099.00	\$ 305,902.00	
	TASK 5-Construction Documents (100% Plans)							
5.01	Site, Site Amenities, Plans	\$ 19,480.00				\$ 18,078.00	\$ 37,558.00	
5.02	Construction Documents	\$ 13,250.00				\$ -	\$ 13,250.00	
5.03	Construction Documents	\$ 179,370.00				\$ 90,245.00	\$ 269,615.00	
5.04	Construction Documents	\$ 36,280.00				\$ -	\$ 36,280.00	
5.05	Construction Documents	\$ 3,200.00				\$ -	\$ 3,200.00	
	TASK 5-Construction Documents	\$ 251,580.00	\$ -	\$ -	\$ -	\$ 108,323.00	\$ 359,903.00	
	TASK 6-Permitting	\$ 36,680.00		\$ -	\$ -	\$ -	\$ 36,680.00	
	TASK 7 - Bidding Assistance	\$ 33,500.00	\$ (11,880.00)	\$ (21,620.00)	\$ -	\$ -	\$ -	
	TASK 8 - Geotech	\$ 20,600.00		\$ -	\$ -	\$ -	\$ 20,600.00	
	TASK 9 - Construction Administration	To be negotiated at a later date.						
	Total	\$ 735,600.00	\$ -	\$ (3,530.00)	\$ 3,530.00	\$ 369,696.00	\$ 1,105,296.00	

Prepared by: 
Todd Mohler, RLA

Senior Project Manager

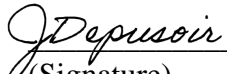
Approved by: 
Bruce Reed, RLA

Regional Practice Leader

Work Authorized by:

City of North Miami Beach
(Name of City)

Jamorie Depusoir,
(Print or Type Name)


(Signature)

Capital Improvements Program Manager
(Title)

09/07/2022
(Date)