

**WORK ORDER No. 1 FOR PROFESSIONAL SERVICES**

TO: BCC Engineering, LLC  
6401 SW 87 Avenue, Suite 200  
Miami, Florida 33173  
(305) 670-2350

DATE: January 27, 2021

The City of Doral authorizes the firm of BCC Engineering, LLC to provide professional engineering design services for the provision of necessary support for the required Conditional Letter of Map Revision (CLOMR) for Doral Central Park. Where BCC Engineering, Inc. is a prequalified provider of professional engineering services selected in accordance with Consultant Competitive Negotiation Act (CCNA) requirements and approved by the City Council in October 2020 through Resolution 20-243. The work should be performed in accordance with the contract provisions contained in the Continuing Professional Services Agreement between BCC Engineering, LLC and the City of Doral dated January 4, 2021, and the attached Proposal dated January 27, 2021 and submitted by your firm for the above referenced project.

**SCOPE OF SERVICES AND SCHEDULE:**

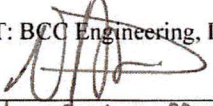
The scope of the project will be as described in the attached proposal from BCC Engineering, LLC dated January 27, 2021 for the CLOMR support for Doral Central Park. The schedule requires the scope of work to be completed within 2 weeks of NTP. All limitations of time set forth in this Work Order are of the essence. The performance of services associated with this Work Order will be executed on a lump sum basis not to exceed the amount of \$14,320.10.

You are required by the Continuing Service Agreement to begin work subsequent to the execution of this Work Order, or as directed otherwise. If you fail to begin work subsequent to the execution of this Work Order, the City of Doral will be entitled to disqualify the Proposal and revoke the award.



Work Order incorporates the terms and conditions set forth in the Continuing Services Agreement dated January 4, 2021 between the parties as though fully set forth herein. In the event that any terms or conditions of this Work Order conflict with the Continuing Services Agreement, the provisions of this specific Work Order shall prevail and apply. Work Order is not binding until the City of Doral agrees and approves this Work Order.

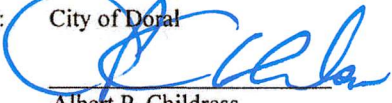
IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the day and date first above written, in three (3) counterparts, each of which shall, without proof or accounting for the other counterpart be deemed an original Contract.

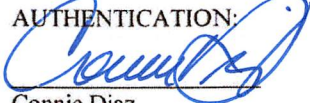
CONSULTANT: BCC Engineering, LLC

BY:   
NAME: VICTOR H. HERDERA  
TITLE: SR. VICE PRESIDENT

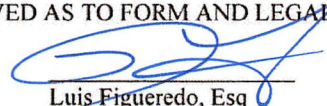
WITNESSES: SEAL:

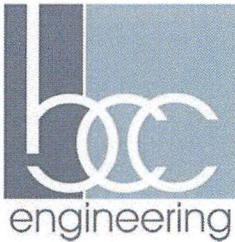
1.   
2. 

OWNER: City of Doral  
BY:   
NAME: Albert P. Childress  
TITLE: City Manager

AUTHENTICATION:  
BY:   
NAME: Connie Diaz  
TITLE: City Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY FOR THE SOLE USE OF THE CITY OF DORAL:

BY:   
NAME: Luis Figueredo, Esq  
TITLE: City Attorney



January 27, 2021

Eugene Collings-Bonfill, P.E., P.S.M., DBIA, PMP, CFM  
Assistant Director/Chief of Engineering  
City of Doral  
8401 NW 53rd Terrace  
Doral, FL 33166

**Reference: CITY OF DORAL CENTRAL PARK CLOMR MODELING AND MAPPING SUPPORT**

Mr. Collings-Bonfill:

Thank you for the opportunity to present this Service Order proposal for Professional Engineering Services associated with Central Park CLOMR submittal support. This Service Order will be an integral part of the Continuing Professional Engineering Services Agreement (RFQ No. 2017-21) between the City of Doral (City) and BCC Engineering, Inc (BCC). This Service Order defines the scope of work, schedule, exclusions, and compensation for this project's professional engineering services.

## **I. SCOPE OF WORK**

The Scope of Work is comprised of the following essential tasks:

- Task 1 – Data Collection and Evaluation
- Task 2 – Model Refinementsfor Central Park Proposed Improvements
- Task 3 – Flood and Inundation Map Development
- Task 4 – Technical Memorandum

### **Task 1 - Data Collection and Evaluation**

BCC will attend up to one (1) meeting with the City and 300 Engineers, Inc. to collect the required information and data to assist with the modeling to support the CLOMR submittal. The data that is anticipated to be collected and evaluated will include:

1. Lastest survey for Central Park
2. Conceptual layout of the proposed stormwater infrastructure for Central Park

BCC will review and evaluate the collected data for inclusion into the citywide ICPR V4 model.

### **Task 2 - Model Refinement for Central Park Proposed Improvements**

BCC will use the existing and future conditions with sea-level and groundwater ICPR V4 model developed for the City's Stormwater Master Plan Update, to simulate two flood event conditions:

- Existing flood elevations without improvements within the Central Park Parcel
- Future flood elevations with proposed Central Park stormwater management improvements

### **Task 2.1 – Existing Central Park Flood Elevations without Improvements**

BCC will perform the following activities as part of this sub-task:

1. Revise the County's LiDAR data to incorporate the latest existing conditions survey within the Central Park limits
2. Revise the City of Doral Stormwater Master Plan existing conditions ICPR V4 model 2D mesh
3. Regenerate 2D Mesh
4. Run model for the 100-year, 3-day design storm event

### **Task 2.2 – Future Central Park Flood Elevations with Improvements**

BCC will perform the following activities as part of this sub-task:

1. Incorporate the proposed Central Park stormwater management improvement into the future conditions with sea-level and groundwater rise ICPR V4 model developed as part of the City's Stormwater Master Plan Update
2. Revise future conditions with sea-level and groundwater rise ICPR V4 model 2D mesh
3. Regenerate future conditions 2D mesh
4. Run model for the 100-year, 3-day design storm event

### **Task 3 – Flood and Inundation Map Development**

BCC will prepare flood and inundation maps for the two scenarios identified in Task 2. The flood maps will be generated for the entire City and the Central Park property limits.

### **Task 4 – Technical Memorandum**

BCC will prepare a draft Technical Memorandum summarizing the activities performed as part of Tasks 1 through 3. One (1) electronic copy of the draft Technical Memorandum will be submitted for the City's review and comments. BCC will attend one (1) meeting with the City and 300 Engineering, Inc. to present the Technical Memorandum contents. Applicable comments from the City and 300 Engineers, Inc. will be implemented in the final Technical Memorandum. BCC will submit once (1) an electronic copy of the final Technical Memorandum and provide applicable model files and GIS data in electronic format.

## **II. SCHEDULE OF WORK – TIME OF PERFORMANCE**

BCC shall complete the task included in Task 1 through 4 within two (2) weeks of receiving notice to process.



### III. COMPENSATION

BCC will be compensated \$14,320.10 on a lump sum basis for performing the work detailed in the Scope of Work. Attachment A includes a detailed man-hour estimate for work outlined in the Scope of Work.


### IV SCOPE OF WORK EXCLUSIONS

The services outlined below are not included as part of the scope of work, although additional service orders can be executed to assist the City with these services if necessary:

1. Independent hydrologic/hydraulic model for the Central Park limits.
2. Water quality modeling.
3. Topographic or as-built surveys
4. Geotechnical assessments
5. Environmental assessment
6. Attend public workshops or meetings
7. Development of detailed design plans of flood protection projects
8. Stormwater or environmental permitting
9. Hard copies of technical memorandums

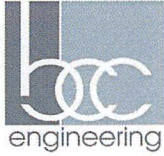
We look forward to assisting the City on this important project assignment. If you have any questions or need additional information, please do not hesitate to contact Victor Herrera, PE, or me at (305) 670-2350.

Sincerely  
**BCC ENGINEERING, INC.**



Alex Vazquez, PE, CFM  
Director of Water Resources/Project Manager

Enclosures:  
Attachment A – Fee Estimate



**CITY OF DORAL  
CITY OF DORAL CENTRAL PARK CLOMR MODELING AND MAPPING SUPPORT**

**FEE ESTIMATE**

Date Estimated: 1/27/2021

WORK ACTIVITY	BCC Staff by Category							TOTAL HOURS	TOTAL FEE	Comments/Assumptions
	Principal/QC	Project Manager	Sr. Project Engineer	Project Engineer	GIS Tech	CADD Technician	Clerical			
<b>HOURLY RATE</b>	<b>\$200.00</b>	<b>\$180.00</b>	<b>\$160.50</b>	<b>\$105.30</b>	<b>\$80.00</b>	<b>\$73.00</b>	<b>\$50.00</b>			
<b>Task 1 - Data Collection and Evaluation</b>		3	3	2				8	\$1,232.10	
1.1 Attend meeting with City and Consultant to collect data		2	2					4	\$681.00	1 mtg, 2 eng, 2 hours
1.2 Review and evaluate data		1	1	2				4	\$551.10	
<b>Task 2 - Model Refinement for Central Park Proposed Improvements</b>		5	14	34				53	\$6,727.20	
2.1 Refine County LiDAR to include Central Park Survey			2	4				6	\$742.20	
2.2 Revise existing condition ICPR 2D mesh		1	2	6				9	\$1,132.80	
2.3 Regenerate existing conditions ICPR V4 2D mesh			2	4				6	\$742.20	
2.4 Run existing model for 100-year, 3-day		1		2				3	\$390.60	
2.5 Incorporate Central Park Improvements into future conditions ICPR v4 model		1	2	6				9	\$1,132.80	
2.6 Revise future conditions ICPR V4 2D mesh		1	4	6				11	\$1,453.80	
2.7 Regenerate future conditions ICPR V4 2D mesh			2	4				6	\$742.20	
3.8 Run future conditions model for 100-year, 3-day design storm event		1		2				3	\$390.60	
<b>Task 3 - Flood and Inundation Map Development</b>	2		2	4	8			16	\$1,782.20	
3.1 Prepare flood and inundation maps for existing conditions	1		1	2	4			8	\$891.10	
3.2 Prepare flood and inundation maps for existing conditions	1		1	2	4			8	\$891.10	
<b>Task 4 - Technical Memorandum</b>	1	3	6	22	3	3	2	40	\$4,578.60	
4.1 Prepare draft Technical Memorandum	1	2	2	12	2	2	1	22	\$2,500.60	One electronic copy
4.2 Attend meeting with City and Consultant to present memorandum			2	2				4	\$531.60	2 engs 2/hr mtg
4.3 Prepare final Technical Memorandum		1	2	8	1	1	1	14	\$1,546.40	One electronic copy

**RESOLUTION No. 20-243**

**A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AUTHORIZING THE CITY MANAGER TO NEGOTIATE AND ENTER INTO PROFESSIONAL SERVICES AGREEMENTS WITH 300 ENGINEERING GROUP, A&P CONSULTING TRANSPORTATION ENGINEERS CORP., BCC ENGINEERING, EAC CONSULTING, GANNETT FLEMING, HW LOCHNER, KIMLEY-HORN, MARLIN ENGINEERING, STANTEC, AND THE CORRADINO GROUP; FOR THE PROVISION OF PROFESSIONAL ENGINEERING AND ARCHITECTURAL SERVICES; AUTHORIZING THE CITY MANAGER TO EXPEND BUDGETED FUNDS ON BEHALF OF THE CITY; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, in response to RFQ #2020-22 titled “Professional General Engineering and Architectural Services”, the City of Doral received twenty-five (25) submittals by the August 7, 2020, 10:00 a.m. deadline; and

**WHEREAS**, the selected firms will be used to create a “pool” of pre-qualified consultants to provide professional general engineering and architectural services thereby reducing the costly and time-consuming process of individual solicitations; and

**WHEREAS**, this expedited process would follow the City of Doral Procurement Ordinance #2004-03 whereby any work in excess of the stated minimum is brought before the City Council for approval; and

**WHEREAS**, funding for the tasks assigned under these contracts will be budgeted each fiscal year; and

**WHEREAS**, Staff respectfully recommends that the City Council authorize the City Manager to negotiate and enter into professional service agreements with the following ten (10) firms: 300 Engineering Group, A&P Consulting Transportation Engineers, BCC Engineering, EAC Consulting, Gannett Fleming, H W Lochner, Kimley-Horn, Marlin

Engineering, Stantec, and The Corradino Group for the provision of professional engineering and architectural services;

**WHEREAS**, in the event the City cannot successfully negotiate with one of/or any of the firms recommended, staff and the City Manager are authorized to move onto the next highest ranked firm and commence negotiations, and so forth, until ten (10) firms have executed contracts.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DORAL AS FOLLOWS:**

**Section 1. Recitals.** The above recitals are confirmed, adopted, and incorporated herein and made a part hereof by this reference.

**Section 2. Approval of Rankings.** The City Council hereby approves the rankings of the ten (10) firms, attached as Exhibit "A", as provided by the proposals submitted.

**Section 3. Authorization.** The City Manager is authorized to expend budgeted funds for professional services associated with this Professional Services Agreement.

**Section 4. Implementation.** The City Manager and the City Attorney are hereby authorized to take such further action as may be necessary to implement the purpose and the provisions of this Resolution.

**Section 5. Effective Date.** This Resolution shall take effect immediately upon adoption.



The foregoing Resolution was offered by Councilmember Mariaca who moved its adoption.  
The motion was seconded by Councilmember Puig-Corve and upon being put to a vote,  
the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Pete Cabrera	Yes
Councilwoman Digna Cabral	Yes
Councilwoman Claudia Mariaca	Yes
Councilman Oscar Puig-Corve	Yes

PASSED AND ADOPTED this 16 day of December, 2020.

  
\_\_\_\_\_  
JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:

  
\_\_\_\_\_  
CONNIE DIAZ, MMC  
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY  
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:

  
\_\_\_\_\_  
LUIS FIGUEREDO, ESQ.  
CITY ATTORNEY