

WORK ORDER No. 9 FOR PROFESSIONAL SERVICES

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

DATE: November 6, 2023

The City of Doral authorizes the firm of BCC Engineering, LLC to provide professional engineering services for the provision of developing a feasibility Study to determine future development for a dry retention area located at 6255 NW 102 Ave. 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 October 12, 2023, 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 October 12, 2023, to develop a feasibility study of the dry retention area. The schedule requires the scope of work to be completed within Three (3) months after Notice to Proceed is provided. 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 \$19, 789.00.

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.

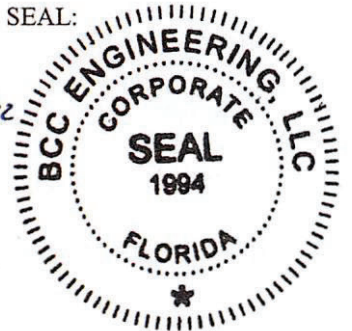
CONSULTANT: BCC Engineering, LLC

BY: [Signature]
NAME: Victor H. Welfels
TITLE: SE. Vice President

WITNESSES:

1. [Signature]
2. Sebastian Hernandez

SEAL:



OWNER: City of Doral

BY: [Signature]
NAME: Barbara Hernandez
TITLE: City Manager

AUTHENTICATION:

BY: [Signature]
NAME: Connie Diaz
TITLE: City Clerk

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

BY: Valerie Vicente
NAME: Valerie Vicente, Esq for Nabors
Gibling & Nickerson, P.A.
TITLE: City Attorney



October 12, 2023

Darlin Perez, PE
Chief of Engineering
City of Doral
8401 NW 53rd Terrace
Doral, FL 33166

Reference: CITY OF DORAL DRY RETENTION OPEN PARCEL FEASIBILITY STUDY

Via Email

Ms. Perez,

Thank you for the opportunity to present this Service Order proposal for Professional Engineering Services associated with performing a feasibility study to determine if the City of Doral (City) parcel depicted on Exhibit A can be developed to include a future City maintenance facility. This Service Order will be an integral part of the Continuing Professional Engineering Services Agreement (RFQ No. 2020-22) between the City and BCC Engineering, LLC (BCC). This Service Order defines the description of the project, scope of work, schedule, compensation, and scope of work exclusions for this project's professional engineering services.

I. PROJECT DESCRIPTION

BCC understands the City is considering developing the 6255 NW 102 Ave property with Folio #35-3017-001-0360 located in the City of Doral, Florida. The future development at this location will consist of a combination of buildings and parking lots to serve as a maintenance or similar facility. To maximize the developable area of this property, a dry retention area feasibility study will be required.

Exhibit A includes the project location map.

II. SCOPE OF WORK

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

- Task 1 – Project Coordination and Data Collection
 - Task 1.1 - Surveying and Utility Locates
 - Task 1.2 - Geotechnical Investigation
 - Task 1.3 – Alternate Dry-Retention Area Technologies

Task 2 – Feasibility Study Report

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Task 1 – Project Coordination and Data Collection

As part of this task, the BCC will attend up to three (3) monthly progress meetings to provide general project coordination and work planning, assuming a 3-month project schedule. The status of all ongoing tasks and City reviews will be discussed during these meetings. It is assumed that these meetings will be via Teams or Zoom. An additional meeting will serve as a project kick-off meeting to collect readily available data from the City and obtain input from the City on the design process. This meeting will be in person.

As part of this task, BCC will also perform a half-day field reconnaissance site visit to help familiarize key BCC staff with the sites and drainage conditions within the project limits, observe the conditions of the existing drainage systems, and verify available roadway conditions. BCC will prepare a field assessment report documenting the findings of the site visit.

BCC will also collect available data from the City, Miami-Dade County, South Florida Water Management District, and Florida Department of Transportation (FDOT). BCC will develop a data catalog of the information collected as part of this task.

Task 1.1 - Surveying and Utilities

BCC will review the available topographic survey for the project site to understand the working conditions. Additionally, BCC will create a Sunshine 811 ticket and catalog all the existing utilities found within the project site.

Task 1.2 - Geotechnical Investigation

BCC will review the available geotechnical information for the project site to support the feasibility study and recommendations. Additionally, BCC will review the percolation test available from the City of Doral for the project site.

Task 1.3 – Alternative Dry-Retention Area Technologies

BCC will use previously used storage technologies used by the City.

Task 2 – Feasibility Study Report

BCC will use the data collected as part of Task 1 to create a feasibility study report to explore the possibility of using different technologies to accommodate the site's dry retention area needs and maximize the developable area of the property.

BCC will use volumetric calculations to determine the required water quality and water quantity volumes. The following design storm events will be evaluated with this model:

- 5-year, 24-hour
- 25-year, 72-hour
- 100-year, 72-hour

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BCC will not develop any ICPR4 models.

BCC will coordinate with the South Florida Water Management District (SFWMD) and Miami-Dade County Department of Environmental and Economic Resources (RER) to ensure the property can be permitted and identify the required design criteria.

BCC will prepare a draft Feasibility Study Report summarizing the data collection results, the ICPR4 modeling, and the conceptual design. BCC will provide the City with a draft copy of the Feasibility Study Report in electronic format for review and comment. BCC will incorporate applicable comments and provide the City with the final Feasibility Study Report in electronic format. This report will be used to support the detailed design of the project in the future.

III. SCHEDULE

BCC will perform the work outlined in the scope of work in accordance with the schedule depicted in the table below. Tasks 1 through 2 will be completed within three (3) months after receiving notice to proceed (NTP). BCC will prepare a detailed schedule after receiving NTP.

Schedule of Deliverables		
Task(s)	Project Activity Description	Months from NTP
1	Project Coordination & Data Collection	2 Months
2	Feasibility Study Report	3 Months

IV. COMPENSATION

BCC will be compensated \$19,789.00 for performing the work detailed in the Scope of Work. The total project fee is on a lump sum basis for performing the required project work activities detailed in the Scope of Work. BCC will submit to the City monthly invoices for work billed as actual hours charged to the project. The table below outlines the estimated fee schedule of the required tasks in the Scope of Work. Exhibit B includes a detailed man-hour estimate for work outlined in the Scope of Work.

Summary of Compensation		
Task(s)	Project Activity Description	Fee
1	Project Coordination & Data Collection	\$8,385.00
2	Drainage Design Report	\$11,404.00
TOTAL		\$19,789.00

V. 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:

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1. Topographic surveys
2. Geotechnical investigations
3. Utility relocation design
4. Water quality and quantity modeling
5. Contamination or environmental assessments
6. Title search or ownership determination
7. Prepare a public outreach program
8. Consumptive Use or dewatering permits
9. No FDEP 404 or NPDES permits
10. Tree disposition plans or tree permits
11. Permit plans
12. Permit coordination
13. Irrigation design
14. Attend public workshops or meetings
15. Update the current Stormwater Master Plan
16. Advertise and administer bid and contract award
17. Reproduce construction contract documents for bidding purposes
18. Prepare and distribute Addendums
19. Construction Management services
20. CEI inspection services
21. Attend Commission meetings
22. Prepare as-built plans
23. Any work items not included in the Scope of Work

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, LLC.



Alex Vazquez, PE, CFM

Director of Water Resources/Project Manager

Enclosures:

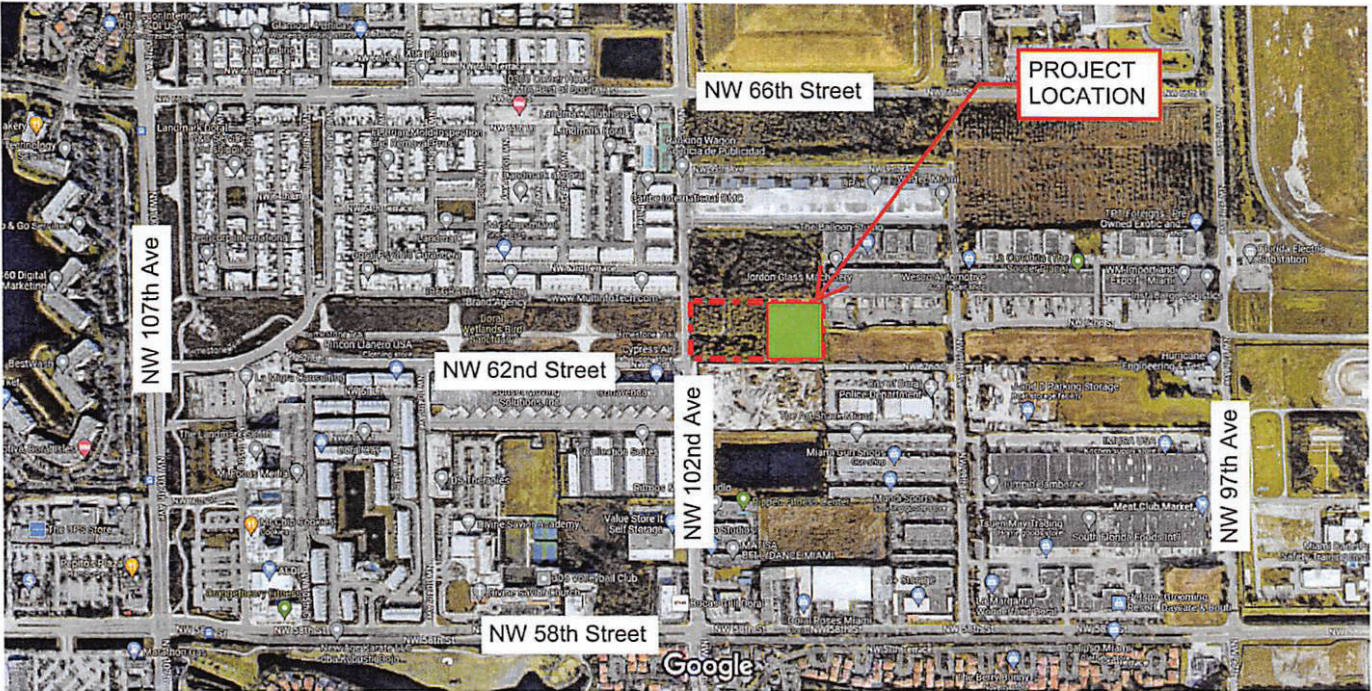
Attachment: Exhibit A – Project Location Map
Exhibit B – Fee Estimate

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Exhibit A – Project Location Map

EXHIBIT A

PROJECT LOCATION MAP



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Exhibit B – Fee Estimate



Date Estimated: 10/12/2023

**EXHIBIT B
CITY OF DORAL
FEASIBILITY STUDY
FEE ESTIMATE**

WORK ACTIVITY	BCC Staff by Category							TOTAL HOURS	LABOR COST	Comments/Assumptions
	Principal/QC	Project Manager	Senior Project Engineer	Project Engineer	GIS Tech	CADD Technician	Clerical			
HOURLY RATE	\$210.00	\$195.00	\$173.00	\$120.00	\$68.00	\$77.00	\$50.00			
Task 1 – Project Coordination and Data Collection										
Kick-off meeting	2	2		2				4	\$840.00	
Monthly progress meetings				3				3	\$585.00	In person - 2 eng, 2 hours
Field site visit		3		3				6	\$945.00	3 meetings - virtual meeting and meeting minutes
Prepare field report		1		4				5	\$975.00	1/2 day, 2 eng
Collect data from existing utilities				4				4	\$480.00	
Develop data catalog				2				2	\$240.00	
Task 1.1 - Surveys and Utilities		1		2				3	\$435.00	Coordination and review
Task 1.2 - Geotechnical Investigation		1		2				3	\$435.00	Coordination and review
Task 1.3 - Alternate Dry-Retention area Technologies		1		2				3	\$435.00	Use recommended technology
								0	\$0.00	
Task 2 – Feasibility Study Report										
Perform volumetric calculations	5	14	8	52	0	0	0	79	\$11,404.00	
Dry-Retention area technology analysis		4	8	16				28	\$4,084.00	3 critical design storms
Prepare draft Feasibility Study Report	2	4		4				10	\$1,680.00	1 alternative
Prepare final Feasibility Study Report	2	4		24				30	\$4,080.00	Electronic submittal
	1	2		8				11	\$1,560.00	Electronic submittal
								0	\$0.00	
								0	\$0.00	
Total Hours	7	25	8	74	0	0	0	114	\$19,789.00	
Total Fee	\$1,470.00	\$4,875.00	\$1,354.00	\$8,880.00	\$0.00	\$0.00	\$0.00	114	\$19,789.00	