



# Memorandum

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Date: September 11, 2024

To: Honorable Mayor and Councilmembers

From: Rey Valdes  
City Manager

Department: Carlos Arroyo  
Public Works Director

Subject: **Work Order No. 1 BCC Engineering – Design of Stormwater Improvements Year 1, Sub Basin D-1-1 and Sub basin H-79AVE-N**

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## **Introduction**

The Public Works Department (PWD) respectfully requests that the Mayor and City Councilmembers authorize the City Manager to execute Work Order No. 1 for BCC Engineering, LLC (BCC) to provide professional services to design the stormwater improvements project associated with Year 1 of the Stormwater Capital Improvement Plan (CIP). Year 1 includes the stormwater improvements for Sub Basin D-1-1 and Sub Basin H-79AVE-N, as identified in the Stormwater Master Plan.

## **Background**

On May 12, 2021, the 2021 Stormwater Master Plan and the proposed 5-Year Capital Improvement Plan (CIP) was adopted by the City Council via Resolution No. 21-123 (approved 5-0). The results of the Stormwater Master Plan analysis allowed the City to identify and prioritize general areas where major drainage systems are deficient and define the extent of the deficiencies. With the problem areas identified, planning-level drainage projects were developed and prioritized with the intent of alleviating flooding in flood prone areas. In addition, planning level construction costs were determined in order to budget and define the implementation schedule for the proposed projects. The preparation and execution of a Stormwater CIP, which follows the City's strategic initiative of improving infrastructure, ensures that adequate infrastructure is in place to help prevent flooding. A properly functioning drainage system improves safety by

preventing vehicles from hydroplaning and prevents damage to public and private property that may be caused by flooding.

In January of 2024, the PWD requested a proposal from BCC to provide professional services for the design and permitting of stormwater improvements for Year 1 of the Stormwater CIP. Year 1 includes the stormwater improvements for Sub Basin D-I-1 (NW 29<sup>th</sup> Street, between NW 79<sup>th</sup> Avenue and NW 77<sup>th</sup> Court, NW 79<sup>th</sup> Avenue between NW 29<sup>th</sup> Street and NW 32<sup>nd</sup> Street, NW 32<sup>nd</sup> Street between NW 79<sup>th</sup> Avenue and NW 77<sup>th</sup> Court, NW 77<sup>th</sup> Court between NW 29<sup>th</sup> Street and NW 32<sup>nd</sup> Street ), Sub Basin H-79AVE-N (NW 79<sup>th</sup> Avenue between NW 58<sup>th</sup> Street and NW 41<sup>st</sup> Street, as identified in the Stormwater Master Plan. The proposed improvements will help address and minimize flooding from significant rain events that have been observed over time at these locations. The scope of work includes new exfiltration trench (known as “French drain”), new manholes, new catch basins, new storm pipes, new backflow preventor, new inlets, and asphalt restoration.

PWD staff and BCC negotiated the attached proposal on a time and material basis with a not to exceed amount of \$235,689.62. It should be noted that the construction phase of this project has a \$500,000.00 State Grant managed by the Florida Department of Environmental Protection (FDEP).

### **Procurement**

The contract between BCC Engineering and the City of Doral was procured through the publicly advertised Request for Qualification (RFQ) 2023-08 process to select a pool of pre-qualified Engineering and Architecture firms. This group of eleven (11) firms was approved by the Mayor and City Councilmembers during the March 2024 Council meeting via Resolution No. 24-54 (approved 5-0). The scope of services for this work order is to provide professional services to design the stormwater improvements associated with Year 1 of the Stormwater Capital Improvement Plan. BCC prepared the attached proposal on a time and material basis with a not to exceed amount of \$235,689.62.

Attached please find "Exhibit A" which includes the proposal and fee estimate from BCC, a copy of the General Consultant Work Order Tracking Sheet, and Work Order No. 1.

### **Fiscal Impact:**

Work Order No. 1 for design of stormwater improvements associated with Year 1 of the Stormwater Capital Improvement Plan will have a fiscal impact of \$235,689.62. Funding for this request is available in the Public Works Stormwater Fund – “Construction in Progress”, Account No. 401.80005.500650.

### **Strategic Plan Alignment**

This item follows the Public Safety Strategic Initiative of the City’s Strategic Plan as it addresses infrastructure improvements.

**Recommendation**

The City's Staff respectfully requests that the Mayor and City Councilmembers authorize the City Manager to execute Work Order No. 1 enclosed as part of "Exhibit A" for BCC Engineering to provide professional engineering services to design the stormwater improvements along Sub Basin D-1-1 and Sub Basin H-79AVE-N as identified in Year 1 of the Stormwater Capital Improvement Plan.