

CONTRACT# ENG/220321

# CITY OF OCALA

## CONTINUING PROFESSIONAL SERVICES

### CONTRACT WORK ORDER

WORK ORDER NUMBER # 5EFFECTIVE DATE: 08/20/2024Contract Manager  
Approval/Initials**Project Title:** SE 36th and SE 8th Evaluation

To: *Black & Veatch Corporation*  
201 South Orange Avenue  
Suite 500  
Orlando, FL 32801

Attn: *Mr. Sam Miller, PE*FUNDING SOURCE: Professional ServicesEXPENDITURE  
ACCOUNT NUMBER:158-020-430-538-53-31010

In accordance with your executed City Council Agreement, you are hereby authorized to commence the work outlined in the attached scope of work. The approved work order amount as a maximum limiting amount shall not to exceed **\$ 36,767.00**.

Requested By:

Department Director

Date: 8/21/2024

Approved By:

City Manager / Asst. City Manager

Date: 8-28-24

**TASK ORDER NO. 5 TO THE AGREEMENT ENG/220321  
SCOPE OF SERVICES**

Owner: City of Ocala, Florida  
Engineer: Black & Veatch Corporation  
Project: SE 36th and SE 8th Evaluation

**BACKGROUND**

The City of Ocala (City) has actively maintained drainage systems. With those efforts the City has elected to evaluate the storage features near SE 36th and SE 8th to determine if the floodplain can be reduced in size or a pond upsizing would be required. SE 36th and SE 8th is designated as Zone AE with a base flood elevation (BFE) of 83.1 feet at vertical datum NAVD 1988.

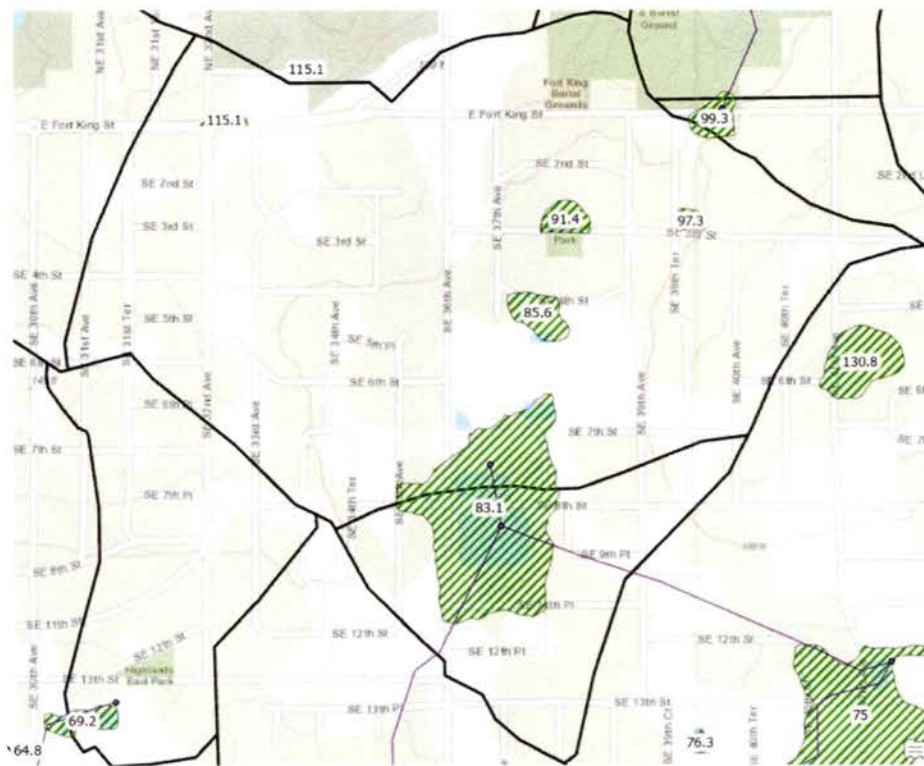


Figure 1: FEMA Flood Zones

As part of this project, Black & Veatch (Consultant) will revise the 2008 effective model basin with the latest available information including land use, soil data, geotechnical information (required), and elevation data. This intends to reduce the Flood Zones or develop a concept to increase the storage area capacity within the basin. This project is part of the City's initiative of updating flood maps and reducing stormwater impacts within the project area.

The City has requested Black & Veatch (Consultant) to provide engineering services to support the preparation of the basin study report either justifying a LOMR application or pond expansion project.

### Scope of Services

The scope of services, by task, included within this Amendment is summarized below. The City will provide site specific geotechnical information to consider percolation within the pond system.

#### **Task 1 – Project Kick-Off Meeting and Data Collection**

The Consultant will schedule and conduct one (1) project kickoff meeting. Attendees will include the Consultant Project Manager, the Project Engineer, the City Project Manager, and other key City staff. The goal of the meeting will be to confirm project goals, roles, and responsibilities and to review the scope of services and schedule to ensure mutual understanding and enhance collaboration among project stakeholders and participants. The data request will include drawings, stormwater models, GIS, and other necessary information.

This task will be billed on a lump sum basis. The consultant will prepare a project data request for the City that will be discussed in the Kick-Off Meeting.

#### **Task 2 – Model Preparation**

The Consultant will revise the model for the basins utilizing readily available data such as soils, land use, record drawings, and the 2021 digital elevation model (DEM). During model development, the Consultant will coordinate with FEMA to verify the latest information has been utilized for the initial conditions of model development it is anticipated that the model will need to be migrated from a legacy ICPR platform to ICPR4. Once the model has been prepared, survey gaps will be identified for the City's surveyor to support future efforts if required.

This task will be billed on a lump sum basis.

#### **Task 3 – Alternatives Analysis and Summary Letter**

The Consultant will prepare an alternatives analysis for the City including documentation of the anticipated floodplain based on model revisions and pond upsizing sizing potential (two project scenarios). The letter will summarize the findings, modifications to the existing conditions H&H model, discussing the development and evaluation of the two scenarios and if the City can proceed with the LOMR application or an expansion of the pond will be required.

This task will be billed on a lump sum basis.

### **Project Deliverables**

#### **Task 1 Project Kick-Off Meeting and Data Collection**

- Kick-Off Meeting Agenda
- Meeting Minutes
- Data Request Log

#### **Task 2 Model Preparation and Survey Coordination**

- Revised Effective Model
- Survey Recommendations
- FEMA clearinghouse letter request

#### **Task 3 Alternatives Analysis and Summary Letter**

- Draft & Final Analysis (Included within the Summary Letter)
- Draft & Final Summary Letter

**Project Schedule (Based on Calendar Days from NTP)**

Description	Days Elapsed from Notice to Proceed
Task 1 – Project Kick-Off Meeting and Data Collection	21
Task 2 – Model Preparation and Survey Coordination	90
Task 3 – Alternatives Analysis and Summary Letter	150

Attachments:

Attachment A – Fee Worksheet

**OCALA - Task Order No.5**  
**5 SE 36th and SE 8th Evaluation**  
**Attachment A**

**BUDGET CALCULATIONS**  
**July 21, 2024**

DESCRIPTION											Total
	Project Manager 1	Engineer 2	Senior Engineer 2	Engineer 1	Senior Accountant	Accountant	Clerical	Hours	Project Expenses	Labor	
	\$200.51	\$176.00	\$255.24	\$144.29	\$148.25	\$128.27	\$105.50	Hours			
Task 1 – Project Kick Off Meeting and Data Collection	6	6			3	3	3	21	200	3,405	3,605
Task 2 – Model Preparation and Survey Coordination	12	32	8	60	3	3	3	121		19,884	19,884
Task 3 – Letter of Map Revision (LOMR) Package Preparation	12	40	6	8	3	3	3	75		13,278	13,278
	30	78	14	68	9	9	9			217	
hours labor	\$6,015	\$13,728	\$3,573	\$9,812	\$1,334	\$1,154	\$950			\$36,567	\$36,767