

INDIVIDUAL PROJECT ORDER NUMBER 2025-03

Describing a specific Agreement between Kimley-Horn and Associates, Inc. (Kimley-Horn), and The City of Ocala (the City) in accordance with the terms of the Master Agreement Contract Eng/210895 for Continuing Professional Services dated September 25, 2022, which is incorporated herein by reference.

Identification of Project:

Project: Reclaimed Water Master Plan

Client: City of Ocala

Project Manager: Alan Garri, PE

General Category of Services:

1. The City has determined that a reclaimed water master plan is necessary to efficiently and effectively manage the reclaimed water flows within the City's system and maximize the reclaimed water that is available to be sent to the various sites which accept reclaimed water.
2. The objective of this project is to gather information, develop future needs, perform necessary hydraulic analysis, develop costs, report recommendations, and produce a prioritized list of funding needs. The Reclaimed Master Plan will focus on the following:
 - a. Optimizing system pressures between WRF 2 and 3
 - b. Maximizing the reclaimed water that can be sent to the wetland recharge park
 - c. Identifying capital improvements required to serve the existing, 5-year, 10-year, and 20-year future needs of the utility service area.

SCOPE OF SERVICES

Task 1 – Data Collection, GIS Database Development and Kickoff Meeting

- A. Kimley-Horn will use the City's existing reclaimed water system mapping as the basis for the existing infrastructure information. Lines greater than or equal to 4" will be included in the reclaimed water system analysis.
- B. Kimley-Horn will use the previous utility master plan (2018) as the basis for the reclaimed water system analysis.
- C. Kimley-Horn will summarize the current permitting status and regulatory issues affecting reclaimed water systems, such as network limitations, treatment limitations, permit compliance issues, and regulatory concerns. Kimley-Horn will contact staff with the Florida Department of Environmental Protection (FDEP) to discuss the project and capture input or concerns from the FDEP.
- D. The City will provide a list of pump stations and forcemains with corresponding motor sizes and capacity. The City will also provide Kimley-Horn with copies of the most recent wastewater / reclaimed water permit application package.
- E. Kimley-Horn will prepare for and attend a project kick-off meeting with City staff. Project objectives, schedule, milestones, communication methods, and base information will all be discussed.

Kimley-Horn will prepare meeting minutes after the meeting and circulate the minutes to meeting participants.

Task 2 – Reclaimed Water System Hydraulic Modeling/Capacity Evaluation

- A. Kimley-Horn will prepare an existing reclaimed water system hydraulic model to include recent distribution system modifications and reclaimed water demand information provided by the City. The City will also provide detailed system plans for the City of Ocala reclaimed water system in GIS format. The model will be prepared using the Sewer Gems modeling software.
- B. Kimley-Horn will convert the City's existing InfoSewer model to the Sewer Gems format.
- C. The City will provide the GIS data for the Utility system for inclusion in the model.
- D. Kimley-Horn will calibrate the system model using pressure data at the distribution system pumps as provided by the City.
- E. Kimley-Horn will prepare recommended reclaimed water system hydraulic standards for acceptance by the City. Hydraulic standards will be established for the following parameters:
 - 1) Minimum System Pressure
 - 2) Maximum System Pressure
 - 3) Average System Delivery Pressure
 - 4) Maximum Pipe Velocity
- F. After successful calibration, Kimley-Horn will prepare a series of system models under the scenarios listed below.
 - 1) Balanced flows to the wetland recharge park
 - 2) Balanced pressures between WRF 2 and 3
 - 3) Upgrades to pipe sizes and pumps
- G. Kimley-Horn will review the model results with City staff. Kimley-Horn will conduct a one-day workshop with City staff at the Kimley-Horn Ocala office to conduct additional modeling and scenario analysis. The results of the additional analyses conducted during the workshop will be included in the master plan report.

Task 3 – Master Plan Report Update Volume I

- A. Kimley-Horn will prepare a draft update to the existing City's Utility Master Plan document. This first volume will be comprised of the reclaimed water master plan associated with this IPO. Subsequent volumes will be completed under separate IPO and are not included in this scope.
- B. Kimley-Horn will submit the Master Plan update for staff review and comment. Up to three hard copies of the Master Plan will be provided along with one electronic PDF copy.

- C. Kimley-Horn will revise the draft Utility Master Plan document one time to incorporate staff comments. Kimley-Horn will provide up to three hard copies and one electronic PDF copy of the final Utility Master Plan update.
- D. Kimley-Horn will prepare for and present a summary of the final Utility Master Plan update at a City Council workshop.

ADDITIONAL SERVICES

Services requested that are not specifically included will be provided under a new and separate IPO agreement or can be performed on an hourly basis upon written authorization.

SCHEDULE

Kimley-Horn will begin services upon receipt of an executed IPO. The above services will be provided as expeditiously as practicable to meet a mutually agreed-upon schedule.

FEE AND EXPENSE

Kimley-Horn will perform the Scope of Services described above for a lump sum fee of \$88,208.14. All permitting, application, and similar project fees will be paid directly by the City. A breakdown of the fee per task is provided in the Attached Table A.

Attachments: Table A

ACCEPTED:

THE CITY OF OCALA, FLORIDA

BY: _____

TITLE: _____

DATE: _____

KIMLEY-HORN AND ASSOCIATES, INC.

BY: 

Amber L. Gartner, PE

TITLE: Vice President

DATE: February 5, 2025

PROJECT RECLAIMED WATER MASTER PLAN

CLIENT: CITY OF OCALA

KHA PM: ALAN J. GARRI, P.E.

BASIS FOR ESTIMATE: COUNCIL-APPROVED HOURLY RATES, CONTRACT #ENG/210895

TABLE A
COST ESTIMATE FOR SERVICES

SHEET:

1 of 1

DATE:

2/7/2025

		DIRECT LABOR (MAN-HOURS)											
		Project Manager 2	Chief Engineer 1	Senior Engineer 1B	Senior Engineer 2	Project Engineer 2	Project Engineer 1	Engineering Intern	Chief Designer	Secretary/Clerical	LABOR HOURS	SUB (\$)	LABOR TOTAL
NO.	DESCRIPTION	\$224.86	\$305.66	\$262.47	\$260.05	\$225.65	\$175.50	\$137.42	\$170.09	\$103.26			
1A - B	Collect data on City's reclaimed system	2	3	4	6	8	12	12		4	51.0	\$ 9,950.16	
1C	Summarize Permitting Status	2	3	2	4	6	10	10		4	41.0	\$ 7,827.98	
1D	Kick off meeting. (Prep & attendance)			2	2	4	4	4			16.0	\$ 3,199.32	
2A - B	Prepare Model for existing conditions	2		6	8	18	20	24		4	82.0	\$ 15,387.76	
2C - D	Calibrate Model and prepare Hydraulic Standards	2	4	6	8	18	20	16		4	78.0	\$ 15,511.04	
2E - F	Prepare Model scenarios for proposed conditions	2	4	6	8	10	12	16		4	62.0	\$ 12,301.84	
3A - B	Draft Master Plan Report Vol 1	4	6	6	8	10	12	16		8	70.0	\$ 13,775.92	
3C - D	Final Master Plan Report Vol 1	4	4	6	8	6	8	8		6	50.0	\$ 10,254.12	
											SUB TOTAL: \$ -	\$ 88,208.14	
											GRAND TOTAL: \$	\$ 88,208.14	