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**City of Pompano Beach  
UTILITIES ADMINISTRATION**

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**MEMORANDUM No. 26-24**

**DATE:** February 3rd, 2026

**TO:** Gregory P. Harrison, City Manager

**VIA:** Brian Donovan, Assistant City Manager

**FROM:** Renuka Mohammed, Utilities Director

**CC:** Nathaniel Watson, Utilities Field Superintendent  
Mondy Claude, Utilities Business Operations Analyst

**SUBJECT:** Approval Request – Carollo Engineers, Inc. Work Authorization No. 28 for Wastewater Master Plan

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**Purpose**

The Utilities Department is requesting approval to execute Work Authorization (WA) No. 28 with Carollo Engineers, Inc. for the development of a Wastewater Master Plan, under the City's Continuing Consulting Services (CCNA) contract for professional services, awarded under solicitation RLI-E023-20 and approved by Ordinance No. 2021-39 on February 23, 2021.

**Background**

The Utilities Department's wastewater collection system hydraulic model and master plan were last updated in 2021. The current hydraulic model has several critical limitations that do not reflect current wastewater collection system operations, sewer sheds, dry- and wet-weather conditions, tidal influences, and future growth conditions and capacity needs. As a consequence, the conditions and projects outlined in the current master plan will need to be updated accordingly. The study will be completed in two phases:

- **Phase I** - Update and calibrate the wastewater collection system model using current GIS data and select SCADA information. The model will be converted from Bentley WaterCAD to Bentley SewerGEMS, which is specifically designed for wastewater systems and allows for conditions such as extended-period simulations, pump operations, and wet-weather analysis.
- **Phase II** - The calibrated model will be used to identify system deficiencies, create sewer shed basins, identify rainfall impact from inflow and infiltration, assess lift station and force main performance, provide optimization strategies, condition assessments, and support the development and prioritization of wastewater collection system capital improvement projects. Furthermore, the model will be used to simulate future planning scenarios, incorporating population projections, dry- and wet-weather flow factors, and planned redevelopment.

### **Fiscal Impact**

Per the CCNA price formula, any study activity fees shall not exceed \$500,000. The fiscal impact for both phases is \$486,922.00, which is budgeted in account 420-7765-533-65-12.

### **Supports Strategic Goals, Objectives, Policies**

Strategic Plan: Goal 4 (Item 6): Superior Capacity for Growth through Quality, Sustainable Development  
- Expand and enhance utility infrastructure - water, wastewater, and stormwater.

Comprehensive Plan: Goal 6: Provide wastewater systems designed and maintained at the highest level to be durable, resilient, and sustainable to serve future generations to the maximum extent feasible and cost-effective.

### **Recommendation**

The Utilities Department recommends that City Officials approve and execute the attached Work Authorization.

### **Applicable Attachments**

- Work Authorization No. 28
- Ordinance No. 2021-39