

**AMENDMENT NO. 1 TO THE PROFESSIONAL  
SERVICES AGREEMENT BETWEEN THE  
CITY OF MANTECA AND PACIFIC ADVANCED CIVIL ENGINEERS, INC**

This Amendment No. 1 (“Amendment”) to Agreement # C2022-156 (“Agreement”) between the City of Manteca and Pacific Advanced Civil Engineers Inc. (PACE) (Consultant), is made and entered into this 30<sup>th</sup> day of June, 2023, by and between PACE, a California corporation (“Consultant”) and the City of Manteca, a municipal corporation (“City”).

RECITALS

A. On October 13, 2022 the City of Manteca entered into an Agreement with Consultant to provide professional services for the preparation of Plans and Specifications for the WQCF Capacity Improvements Project (CIP 23002, 23003, 23004, 23005, and 17008).

B. City now desires to amend the Agreement to include additional scope and fee to be undertaken by Consultant.

C. Consultant represents that it has the necessary professional skills and experience to satisfactorily provide consulting services in a timely manner.

D. City desires to engage Consultant for the purposes of completing the additional scope of services identified.

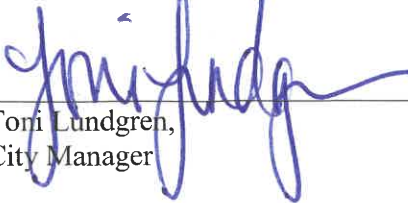
NOW, THEREFORE, the parties hereby agree as follows:

1. Scope of Work and Schedules. Attachment 2 & 3 to the Agreement is hereby amended to include additional scope as detailed in Attachment 1 to this Amendment, attached hereto and incorporated herein by reference, “ADDITIONAL AMENDMENT NO. 1 SCOPE OF WORK AND SCHEDULE”.
2. Paragraph 3 of the Agreement is hereby amended to read as follows:  
  
“3. Time of Performance. All such work shall be completed no later than December 31, 2025.”
3. Paragraph 4 of the Agreement is hereby amended to read as follows:  
  
“4. Compensation. Compensation for Amendment No. 1 services shall in no event exceed \$328,330 without additional authorization from the City.”
4. Except as otherwise provided in this Amendment, the Agreement shall continue in full force and effect.

THIS SPACE INTENTIONALLY LEFT BLANK

TO EFFECTUATE THIS AMENDMENT, each of the parties has caused this Agreement to be executed by its duly authorized representative as of the date set forth in the introductory paragraph on page 1 above.

**CITY OF MANTECA:**

  
\_\_\_\_\_  
Toni Lundgren,  
City Manager

**CONSULTANT:**

**Pacific Advanced Civil Engineering, Inc. (PACE)**  
*(Type name of Consultant/form of organization)\**

**ATTEST:**


  
\_\_\_\_\_  
Cassandra Candini-Tilton,  
Director of Legislative Services

By:

  
\_\_\_\_\_  
*(Signature)*

**Mark E. Krebs, PE - President**  
*(Type name and title)*

**COUNTERSIGNED:**


  
\_\_\_\_\_  
Jared Hansen,  
Deputy Director of Finance

By:

  
\_\_\_\_\_  
*(Signature)*

**Andy Komor, PE - Sr. Vice President**  
*(Type name and title)*

**COUNTERSIGNED:**

  
\_\_\_\_\_  
Dawn Cortesi,  
Interim Director of Human Resources

Address:

**17520 Newhope Street, Suite 200**

**Fountain Valley, CA 92708**

Telephone:

**(714) 481-7300**

**APPROVED AS TO FORM:**

L. David Nefouse, City Attorney

By:   
\_\_\_\_\_  
Daniella Green, Assistant City Attorney

**ATTACHMENT 1**

ADDITIONAL AMENDMENT NO. 1 SCOPE OF WORK AND SCHEDULE



## AUTHORIZATION FOR CHANGE ORDER

<b>TO:</b> City of Manteca   Engineering Dept.	<b>ATTN:</b>	Somporn Boonsalat
1001 W. Center St.	<b>DATE:</b>	February 3, 2023
Manteca, CA 95337	<b>PROJECT:</b>	Manteca
Office: 209.456.8429	<b>C.O. AUTH. #:</b>	01

The following was not included in the original contract. We are requesting authorization for additional budget.

### Description of Services:

The original RFP contract scope objectives included enhanced nitrogen removal, increased capacity, and better reliability. The proposed improvements to achieve these objectives included:

- A. Replacement of 10 internal recycle pumps with variable control
- B. Improvement to North Plant flow splitting to avoid short circuiting
- C. Addition of instrumentation and controls to better control oxidation conditions

Over the past three months we have worked closely with City staff including five site visits, we provided detailed evaluation of the existing configurations, and we modeled various improvement ideas. The following conclusions were developed in this process:

1. Existing internal recycle pumps are too numerous, too small, not meter-able, and have no redundancy per train
2. The biological trains will have much better nitrogen removal if they operate with Zone B aerobic (currently anoxic at times) and Zone D anoxic
3. The North Plant level can be raised approximately two feet higher to gain 17% capacity in the north plant using existing blowers, and there is currently available freeboard
4. The North Plant can be re-routed simply to operate as two trains instead of five, optimizing a flow split
5. Adding plastic media to Zone B will provide additional capacity.

If approved, we suggest the City proceed with all of these recommendations in a clean and efficient installation to allow for non-disruptive construction during operations and on-going ease of operation. The suggested improvements would include:

1. Provide two new duplex (two pump each) internal recycle stations, one for each plant. These stations would have flexible discharge with no valves and no new structures, with visible discharge of flow into the ideal location in the plant. One pump out of service would still allow operation at acceptable flow for the entire plant (no trains need to be taken out of service).

*NOTE: These two new stations are included in the base scope as an alternative, and no additional scope is needed. The existing South Plant internal recycle pumps would be re-purposed as mixers if additional improvements described are implemented, and the existing north internal recycle pumps can be used as shelf spares.*

- 2. Provide changes to baffles, weir walls, screens, gates, and mixer improvements within the internal trains of each Plant. (additional scope)
- 3. Provide a primary effluent lift station to raise the hydraulic profile to allow for operation of the North Plant at a higher level. The North Plant will be configured to run without these pumps operational as a fail-safe operation. (additional scope)

We are proposing to the City to provide additional engineering services for these new scope items to achieve the objectives of the project, and improve overall near term and future performance and capacity. The proposed change order includes plans, specifications, and cost estimate work tasks for the new Primary Effluent Pump Station, internal elements to the North Plant Secondary Reactors, and internal elements to the South Plant Secondary Reactors. It also included doubling of the construction phase tasks (not including Task 9 bid phase) to accommodate these additional elements.

Original Scope:

Tasks 1-8:	Engineering Design Services	\$ 461,870
Tasks 9-11:	Construction Phase Services	\$ 123,920

Proposed Additional Scope – CO1:

Tasks 12-14:	Engineering Design Services	\$ 218,290
Tasks 10b & 11b:	Construction Phase Services	\$ 110,040

NOTE: If funding CO1 services is infeasible, it is proposed to consider omitting Tasks 9-11 (including Task 10b and 11b) and defer these tasks until construction phase, and allocate existing budget from Tasks 9-11 (\$123,920) to proposed Tasks 12-14. This would leave a remaining shortfall of \$94,370 to complete all proposed engineering design tasks. In the spirit of helping the project move forward without Council processing, PACE is willing to proceed with a \$25,000 credit for these proposed services in an effort to complete this important work now.

Amount of Compensation:

This Request - Change Order # 01: \$ 328,330

Estimated By:

  
 Andy Komor, PE - PACE

2/3/23  
Date

**AGREED TO AND ACCEPTED BY:**

By \_\_\_\_\_  
City of Manteca

\_\_\_\_\_  
Date

