



Luhdorff & Scalmanini
Consulting Engineers

June 17, 2020
LSCE 175018, 185073 & 175146

Ms. Kimberly Villa
Community Services Analyst
County of Yolo
Community Services Department
292 W. Beamer Street
Woodland, CA 95695

**SUBJECT: REQUEST FOR ENGINEERING SERVICES CHANGE ORDER
WILD WINGS WATER SYSTEM COMMISSIONING SERVICES**

Dear Ms. Villa;

In follow up to our recent correspondence, Luhdorff and Scalmanini Consulting Engineers (LSCE) respectfully requests an amendment to our existing contract with the County for additional services that have been provided and include anticipated services in the future. The services provided are engineering and construction administration services associated with the recommissioning of water system facilities and recent construction activities associated with a new service connection to the Watts-Woodland airport.

The work completed since the beginning of 2020 on behalf of the County includes:

- Watts-Woodland Airport Service Connection – LSCE met with SUSP, a representative from the homeowners association, the pipeline contractor and a representative from Woodland Aviation, at the project site to discuss the point of connection, the work schedule, the expectation of workmanship to be employed, and to review and answer any of the construction plans.

LSCE also reviewed and approved all of the contractor's material submittals.

LSCE worked with SUSP to resolve a potential disinfection issue with the service tap into the water system main line.

Lastly, LSCE has worked to inspect portions of the contractors work. LSCE has some work remaining including testing and acceptance of the installation.

- Radio and SCADA Issues – Recently, radio communications between the Canvas Back well site and the WWTP Office has become sporadic resulting in an inability to remotely monitor or operate the well pump station. At times, due to communication interruptions, the station would (and continues) either shut down or not respond to remote commands.

AGREEMENT NO. _____
(Amendment # 7 to Short-form Agreement No. 5959-2017-PUMPSTATION)

THIS AGREEMENT AMENDMENT is made this 15 day of June, 2020 by and between the County of Yolo ("COUNTY") and Luhdorff & Scalmanini Consulting Engineers, an individual ("CONTRACTOR"), who agree as follows:

AMENDED TERMS

1. CONTRACTOR shall perform the following ADDITIONAL personal services: Additional Services as set forth in Exhibit B-5 with regard to the Wild Wings CSA water system.
2. CONTRACTOR shall perform these personal services between March 13, 2017 and June 30, 2021.
3. Subject to CONTRACTOR's satisfactory fulfillment of the terms and conditions of this Agreement, and upon CONTRACTOR's submission of an appropriate claim or invoice, COUNTY shall pay CONTRACTOR a total amount of \$94,000.

ADDITIONAL TERMS AND CONDITIONS

4. Raise total compensation cap by \$18,000 for a total amount of \$94,000. Add Exhibit B-5 attached hereto and incorporate herein to scope of work.
5. Extend the term of agreement to June 30, 2021

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first written above by affixing their signatures hereafter.

CONTRACTOR:

Vicki Kretsinger Grabert
Contractor Signature

COUNTY:

Taro Echiburu
Taro Echiburu, Department Head

Vicki Kretsinger Grabert
Printed Name

500 First St
Street Address/PO Box

Woodland, CA 95695
City/State/Zip

(530) 661-0109
Phone

Ryan Pistoichini 7/7/2020
Ryan Pistoichini, Purchasing Agent

CERTIFICATION: I hereby certify under the penalty of perjury that all statements made in or incorporated into this Agreement are true and complete to the best of my knowledge. I understand and agree that the COUNTY may, in its sole discretion, terminate this Agreement if any such statements are false, incomplete, or incorrect.

Vicki Kretsinger Grabert
Contractor Signature



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The SCADA contractor, who had been making certain upgrades to the overall system (the system is over 15 years old) was contacted in an attempt to trouble-shoot the issue. The contractor inspected the radios involved, the cabling, antenna systems and signal strength. With some maintenance work an improvement in signal strength was attained but still did not solve the sporadic communications.

During that time, LSCE reviewed other radio sources of potential interference and determined any outside sources were probably not at play. LSCE also communicated with the contractor at the various steps in the investigation to provide input and receive information on findings.

With the tree growth in the area, and given the frequency spectrum utilized, the solution is to raise the height of the base station antenna mast to provide a wider range of transmission and receiving capability. LSCE worked with the contractor to provide guidance in developing a scope of work for a new mast and antenna system.

LSCE will continue to work with the contractor and work to obtain competitive bids. Once bids have been received, LSCE will review the bids and advise the County on an acceptable proposal. LSCE will oversee the review of material submittals (including the submitted design of the antenna mast foundation), the installation of the mast and related facilities, and the retesting of the radio system to ensure the proper operation of all communications safety guards and instrumentation/controls to monitor and protect the well pump station(s).

- Distribution System Operation and Maintenance - Non-operation of the distribution system valves through the years resulted in numerous issues during some of the recent pump station work. Due to the in-operation of the valves, complete shut-downs of the system could not be effected to allow work to commence on the recent work at the pump stations. That episode exposed a serious system vulnerability requiring the need to initiate a valve maintenance program. That program should be designed to coincide with a system water quality flushing program.

To date, through County Amendment 6 to Agreement 5959-2017-PUMPSTATION, the engineering services agreement was increased to the contract amount of \$76,000 (Seventy Six Thousand Dollars). As of the latest May billings, LSCE has invoiced a total of \$79,639.92 (Seventy Nine Thousand Six Hundred Thirty Nine Dollars and Ninety Two Cents) through LSCE project numbers 175018, 175146 and 185073 for work associated with the Wild Wings Community Services Association. That amount also includes the 2018 invoice that apparently is missing. Therefore, the billing is in excess of that authorized under the Amendment #6 amount of \$3,639.92 (Three Thousand Six Hundred Thirty Nine Dollars and Ninety Two Cents).

The work remaining is listed above and accordingly we respectfully request an amendment to our contract in the amount of \$18,000 (Eighteen Thousand Dollars) for a proposed amended total contract amount of \$94,000 (Ninety Four Thousand Dollars). As before, LSCE will perform all the work outlined

Ms. KIMBERLY VILLA
JUNE 17, 2020
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above on a time and material basis in accordance with the Attached Schedule of Fees for Professional and Field Services, dated June 2020.

Should you require additional information or have any questions, we will be pleased to respond.

Sincerely,

LUHDORFF AND SCALMANINI
CONSULTING ENGINEERS

A handwritten signature in black ink, appearing to read 'William A. Gustavson', written in a cursive style.

William A. Gustavson
Principal Project Manager

Encl: 2020 Schedule of Fees