

AGREEMENT NO. _____
(Amendment # 6 to Short-form Agreement No. 5959-2017-PUMPSTATION)

THIS SIXTH AMENDMENT TO AGREEMENT 5959-2017-PUMPSTATION is made this 20th day of September, 2019 by and between the County of Yolo ("COUNTY") and Luhdorff & Scalmanini Consulting Engineers, ("CONTRACTOR"), who agree as follows:

AMENDED TERMS

1. CONTRACTOR shall perform the following ADDITIONAL personal services: Additional services as set forth in Exhibit B-4 with regard to the Wild Wings CSA water system.
2. CONTRACTOR shall perform these personal services between March 13, 2017 and June 30, 2020.
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 up to \$76,000.

ADDITIONAL TERMS AND CONDITIONS

4. Raise total compensation cap by \$30,000 for a total amount of up to \$76,000. Add Exhibit B-4, attached hereto and incorporated herein, to scope of work. Billable rates for the services performed beginning January 1, 2019 may be charged up to the 2019 rate schedule included with exhibit B-3, provided that total aggregate amount paid to contractor does not exceed the maximum compensation described above.
5. Perform services as set forth in Exhibits B, B-1, B-2, B-3, and B-4. Except as set forth in this Sixth Amendment, the terms of the Agreement shall remain unchanged.

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

VICKI Kretsinger Grabert
Printed Name

500 First Street
Street Address/PO Box

Woodland, CA 95695
City/State/Zip

(530) 661-0109
Phone

COUNTY:

Mindi Nunes
Mindi Nunes, Department Head

Ryan Pistochini
Ryan Pistochini, Manager of Procurement

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

Exhibit B-4: Scope of Services

Contractor shall perform the following technical assistance tasks related to corrective action to various components of the Pintail and Canvas Back wells and distribution system at the Wild Wings County Service Area:

Several serious issues arose during the recent pump extension work at both site that were beyond Contractor's existing scope of work.

Recall the pump work at each site was to extend the pump settings at each site with Canvas Back requiring the complete removal of the pump to remove an existing 200 foot long suction pipe (installed during a past project many years ago) to make room for the pump extension. During the pump work at both sites, serious issues were found with the pumping equipment that needed immediate intervention, evaluation of the observations, and the development of recommendations by Contractor to correct the issues. While the pump extension work was within the scope of work of Contractor, the work listed below, associated also with the contractor's extra work, was out of scope. An explanation for the additional work is listed below:

A. Canvas Back

1. Inspect and evaluate material at Canvas Back that were pulled from the well – Upon removal of the well pump, several of the components were observed to be in a severely degraded condition and some of the column pipe threaded connections were corroded to the point the pipe had to be cut. All of the components were inspected thoroughly, and an evaluation made of the components to be reused and an inventory made of new components to be obtained.
2. Observe first video survey of well related to loss of well pump suction pipe – Upon removal of the well pump, the 200 foot long suction pipe was observed to have fallen from the bowl assembly suction flange. Since the pump extension was going to utilize the lower portion of the well, it was imperative the suction pipe be removed from the well. The first step in the removal of the pipe was to video log the well to ascertain the upper condition of the suction pipe (for removal purposes) and check the condition of the well for damage that might impair the removal.
3. Discuss and assist in developing a “game plan” for the recovery of the suction pipe – After review of the well video, Contractor discussed various “fishing” operations with the contractor to remove the suction pipe. Contractor also obtained estimates of cost for the work.
4. Inspect the suction pipe “fishing” operation – Contractor inspected all aspects of the suction pipe “fishing” operation.

Exhibit B-4: Scope of Services

5. Obtain and review costs for the extra work – Contractor obtained and reviewed all costs associated with the replacement parts for the well pump, the video logs, and the fishing operation.
6. Post “fishing” operation video log – Subsequent to the removal of the suction pipe from the well, Contractor ordered, observed and evaluated an additional video log to ensure the integrity of the well was not compromised during the fishing operation.
7. Well pump replacement parts – Contractor developed an inventory of required placement parts, obtained prices for the same and inspected the parts upon arrival to the site.

B. Pintail

1. Pintail electrical issues – There have been several electrical switchgear and control/instrumentation issues at the Pintail site. Contractor investigated the various issues and brought in their electrical engineer (sub-consultant) to inspect the operation of the equipment and instrumentation and provide recommendations on findings.
2. Pump equipment issues – The work at Pintail entailed just a pump extension only however, upon setting up to install the extension, the pump contractor found the pump to be frozen. It was recommended the pump be removed in entirety and the components inspected by Contractor. From the inspection of the components, Contractor made recommendations for replacement of various components and obtained costs for those parts. Contractor also inspected the replacement parts upon arrival to the site.
3. Video log of well – Once the pump was removed, Contractor recommended a video log be performed on the well to ensure the integrity of the well structure. Contractor observed and evaluated the video log.
4. Inspection of the pump reinstallation – Contractor inspected the reinstallation of the well pump.