

AGREEMENT NO. _____
(Amendment # 1 to Short-form Agreement No. 5959-2017-PUMPSTATION)

THIS AGREEMENT AMENDMENT is made this 23 day of May, 2017 by and between the County of Yolo ("COUNTY") and Luhdorff & Scalmanini, Consulting Engineers, an individual ("CONTRACTOR"), who agree as follows:

corporation
WLS

AMENDED TERMS

1. CONTRACTOR shall perform the following ADDITIONAL personal services: Additional services in regards to the Wild Wings pintail and canvas back well and pump stations as set forth in Exhibit B-1: Scope of Work.
2. CONTRACTOR shall perform these personal services between March 13, 2017 and August 31, 2017.
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 \$23,000.

ADDITIONAL TERMS AND CONDITIONS

4. Extend contract date to August 31, 2017 and increase total contract amount by \$19,800.
5. Except as set forth in this Amendment, the terms of the original contract 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: WLS
for Luhdorff & Scalmanini CE, Inc.
Contractor Signature

COUNTY: Mindi Nunes
Mindi Nunes, Department Head

William Coustauon
Printed Name

500 First st.
Street Address/PO Box

WOODLAND, CA 95695
City/State/Zip

530 661 0109
Phone

Tonia Montiero
Tonia Montiero, 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.

WLS
Contractor Signature

AGREEMENT NO. _____
(Amendment # 1 to Short-form Agreement No. 5959-2017-PUMPSTATION)

THIS AGREEMENT AMENDMENT is made this _____ day of May, 2017 by and between the County of Yolo ("COUNTY") and Luhdorff & Scalmanini, Consulting Engineers, an ~~individual~~ corporation ("CONTRACTOR"), who agree as follows:

AMENDED TERMS

1. CONTRACTOR shall perform the following ADDITIONAL personal services: Additional services in regards to the Wild Wings pintail and canvas back well and pump stations as set forth in Exhibit B-1: Scope of Work.
2. CONTRACTOR shall perform these personal services between March 13, 2017 and August 31, 2017.
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 \$23,000.

ADDITIONAL TERMS AND CONDITIONS

4. Extend contract date to August 31, 2017 and increase total contract amount by \$19,800.
5. Except as set forth in this Amendment, the terms of the original contract 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: William Coustason
for Luhdorff & Scalmanini CE, Inc.
Contractor Signature

COUNTY: Mindi Nunes
Mindi Nunes, Department Head

William Coustason
Printed Name

500 First St.
Street Address/PO Box

, Purchasing Agent

Woodland, CA 95695
City/State/Zip

530 661 0109
Phone

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.

William Coustason
Contractor Signature



GROUNDWATER RESOURCES
HYDROLOGY • DEVELOPMENT • MANAGEMENT

May 16, 2017
LSCE No. 17-5-018

Ms. Beth Gabor
Manager of Operations and Strategy
County of Yolo
County Administrator's Office
625 Court Street, Room 202
Woodland, CA 95695

SUBJECT: SCOPE OF WORK FOR INVESTIGATION OF CANVAS BACK AND PINTAIL WELL AND PUMP STATIONS - WILD WINGS CSA

Dear Ms. Gabor,

In follow up to your request, Luhdorff and Scalmanini Consulting Engineers (LSCE) is pleased to provide you with a Scope of Work and a Cost Estimate for technical assistance for the Canvas Back and Pintail Well and Pump Stations, as described below:

Task	Cost
1. Canvas Back Well and Pump Test - Pump the production well while performing a Time Series Sample Collection and a Pump Performance Test. This will include both a Step Test and a Constant Rate Times Series Sample Test. Concurrent testing of the three monitoring wells will also be conducted.	\$2,300
2. Canvas Back Site: Pump each of the 3 monitoring wells located at the Canvas Back Well site and collect samples for analysis (including arsenic). During production well pumping, monitor all 3 wells with transducers and data loggers to measure aquifer response.	\$2,000
3. Canvas Back Site: Start-up and recommissioning of the well, storage tank, hydropneumatic tank, booster pumps, line valves, and chlorine systems.	\$4,600
4. Pintail Well and Pump Test - Pump the production well while performing a Time Series Sample Collection and a Pump Performance Test. This will include both a Step Test and a Constant Rate Times Series Sample Test.	\$2,300

5. Pintail Well Testing: During the Pintail production well pumping, monitor all 3 monitoring wells at Canvas Back with transducers and data loggers to measure aquifer response.	Included In Item 2
6. Pintail Site: Start-up and recommissioning of the well, storage tank, hydropneumatic tank, booster pumps, line valves, and chlorine systems.	\$4,600
7. Summary report: a.) Canvas Back well and pump test results, b.) Canvas Back mw data and water quality, c.) Pintail Well and pump test results, d.) recommissioning and inspection reports, and e.) recommendation for remediation or rehabilitation efforts, if needed.	\$4,000
Total	\$19,800

LSCE proposes to perform the work outlined above on a time and material basis for the NOT TO EXCEED amount of Nineteen Thousand Eight Hundred Dollars (\$19,800). We have attached our "Schedule of Fees - Engineering and Field Services" for your reference.

Please note that lab costs for the water quality testing are not included as it is assumed that the lab analysis will go through the County's contracted lab for the facility. This would generally be the most cost effective option for the County.

Additionally, a licensed (arc certified) electrician should "meg" the pump motors. If National O & M has an arc certified operator, LSCE will lend a "megger" for motor insulation measurements.

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

Sincerely,

LUHDORFF & SCALMANINI
CONSULTING ENGINEERS



William Gustavson
Principal Project Manager



Thomas Elson
Principal Engineer



LUHDORFF & SCALMANINI
CONSULTING ENGINEERS
500 FIRST STREET WOODLAND, CALIFORNIA 95695

SCHEDULE OF FEES - ENGINEERING AND FIELD SERVICES
2017

Professional:*

Senior Principal	\$202/hr.
Principal Professional	\$200/hr.
Project Manager	\$190/hr.
Senior Professional	\$178/hr.
Project Professional	\$135 to 170/hr.
Staff Professional	\$115 to 130/hr.

Technical:

Engineering Inspector	\$115 to 130/hr.
ACAD Drafting/GIS	\$120 to 130/hr.
Engineering Assistant	\$100/hr.
Technician	\$100/hr.

Clerical Support:

Word Processing, Clerical	\$70/hr.
---------------------------	----------

Vehicle Use	\$0.55/mi.
Subsistence	Cost Plus 15%
Groundwater Sampling Equipment (Includes Operator)	\$170.00/hr.
Copies	.20 ea.

Professional or Technical Testimony	200% of Regular Rates
Requested Technical Overtime	150% of Regular Rates
Outside Services/Rentals	Cost Plus 15%
Services by Associate Firms	Cost Plus 15%

* Engineer, Geologist, Hydrogeologist, and Hydrologist