

Exhibit B - Change Order Nos. 1 - 8

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 1

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
For the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, California

Contract No.: 300129.09.04

State No.:

Federal No.:

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractor's bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.
Change requested by: Richard Simmer, John Madonna Construction Inc.

No Cost Change Order:

Based on time impact analysis, a determination of the delay in completion of the contract due to long material procurement times has been made in accordance with Section 3-1.04, "Progress Schedule."

The contractor shall be granted 30 working days for the following dates: 7-8-13 Through 8-16-13.

See attached progress schedule.

Contract Price Adjustment

Decrease n/a or Increase n/a

By reason of this order the time of completion will be adjusted as follows: 29 Working Days

Submitted by: [Signature]
RESIDENT ENGINEER

Date: 12-06-13

Approval Recommended: [Signature]
CONSTRUCTION ENGINEER

Date: 12-17-13

Approved: [Signature]
DEPUTY DIRECTOR OF PUBLIC WORKS

Date: 12/17/13

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

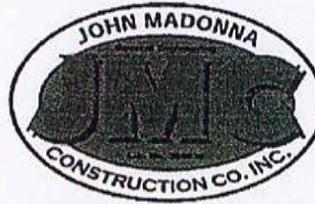
Accepted, Date: 12.10.13

Contractor: John Madonna Const.

By: [Signature] Title: CEO

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

John Madonna Construction Co., Inc.
 P.O. Box 5310
 San Luis Obispo, CA 93403



Contractors Lic #358030
 805-543-7751 (PH)
 805-543-7754 (FAX)

PROJECT: Oak Woodland Habitat Mitigation for
 the Willow Road & Highway 101
 Interchange Project

Project # 300129.09.04
 JMC Job # 455

CHANGE ORDER REQUEST

Date: 10/29/2013

			Amount
<i>Performed by Generations of Electrical Service</i>			
Trouble shoot existing plan for wiring & coil	2	\$ 85.00	\$ 170.00
Pull wire from pump control to pump through existing conduits	2	\$ 85.00	\$ 170.00
400ft #12 awg thhn copper wire	400	\$ 0.1625	\$ 65.00
Run conduit from the skid to the pump control panel on the backboard	1	\$ 85.00	\$ 85.00
10ft 1-1/4" EMT (2), 1-1/4" T condilets (4), 1-1/4" EMT Connectors	1	\$ 50.00	\$ 50.00
Remove 240 volt coil from the pump control and replace with 120 volt coil	2	\$ 85.00	\$ 170.00
120 volt coil	1	\$ 212.00	\$ 212.00
Project Management - Richard Simmer	2	\$ 63.78	\$ 127.56
Change Order Sub Total			\$ 1,049.56
Contractor's Mark Up			\$ 157.43
Change Order Amount			\$ 1,206.99

John Madonna Construction, Inc.
 CONTRACTOR
 P.O. BOX 5310
 SAN LUIS OBISPO, CA 93403

County of San Luis Obispo
 Jason Rath
 County Government Center, Roo
 San Luis Obispo, CA 93408

By John Madonna
 SIGNATURE _____
 DATE 10.30.13

By Jason Rath
 SIGNATURE _____
 DATE _____

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 3

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
For the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, California

Contract No.: 300129.09.04

State No.:

Federal No.:

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractors bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.
Change requested by: Richard Simmer, John Madonna Construction Inc.

Extra Work at Agreed Lump Sum:

In accordance with section 4-1.03 "Changes" of the Standard Specifications, furnish all labor, materials, and equipment to repair all freeze-damaged portions of the irrigation system in acres 2, 3, 4A, & 4B. See the attached breakdown of damaged materials as measured in the field.

For this work, the contractor shall receive and accept the agreed lump sum of \$2,466.28. This sum constitutes full and complete compensation for providing all labor, material, equipment, tools and incidentals, and includes all markups by reason of this change.

Extra Work at Agreed Lump Sum = \$2466.28

Based on time impact analysis, this change does not delay the controlling activity.

See the attached change order request.

Contract Price Adjustment

Decrease _____ or Increase \$2466.28

By reason of this order the time of completion will be adjusted as follows: No Adjustment

Submitted by: Joann Roth
RESIDENT ENGINEER

Date: 12-24-2013

Approval Recommended: [Signature]
CONSTRUCTION ENGINEER

Date: 1-6-14

Approved: [Signature]
DEPUTY DIRECTOR OF PUBLIC WORKS

Date: 1/7/14

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

Accepted, Date: 12.24.13

Contractor: John Madonna

By: [Signature] Title: CEO

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 4

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
For the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, California

Contract No.: 300129.09.04

State No.:

Federal No.:

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractors bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.
Change requested by: Richard Simmer, John Madonna Construction Inc.

No Cost Change Order:

Based on time impact analysis, a determination of the delay in completion of the contract due a delay in acorn availability has been made in accordance with Section 8-1.04, "Progress Schedule."

The contractor shall be granted 36 working days for the following dates: 12-09-13 Through 01-31-14.

See attached progress schedule for breakdown.

Contract Price Adjustment

Decrease n/a or Increase n/a

By reason of this order the time of completion will be adjusted as follows: 36 Working Days

Submitted by: Jason Roth Date: 12-24-2013
RESIDENT ENGINEER

Approval Recommended: [Signature] Date: 1-6-14
CONSTRUCTION ENGINEER

Approved: Dae Flynn Date: 1/7/14
DEPUTY DIRECTOR OF PUBLIC WORKS

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

Accepted, Date: 12.24.13 Contractor: John Madonna

By: [Signature] Title: CEO

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

County of San Luis Obispo
 PUBLIC WORKS DEPARTMENT
 CONTRACT CHANGE ORDER NO. 5

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
 For the Willow Road Extension
 And Highway 101 Interchange Project
 Nipomo, California

Contract No.: 300129.09.04

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractors bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.
 Change requested by: John Madonna, John Madonna Construction Inc. for John Humann, JD Humann Landscaping sub-contractor.

Payment Adjustment at Agreed Lump Sum:

In accordance with Section 10-2, "Planting and Irrigation System," subsection "Cost Break-Down," of the Special Provisions, perform the following modifications to Bid Item 10 (Lump Sum), "Irrigation System," as shown on the attached revised cost breakdown sheet.

- 1) Increase quantity of 3/4" pipe shown on the Irrigation System Cost-Breakdown by 600 LF
 Item 10, Irrigation System: [PVC Schedule 40 Pipe, 3/4" (UV Stabilized) cost break-down line item]
 Increase 600 LF of 3/4" PVC Schedule 40 Pipe (+1.7%) @ \$1.72/LF.....(+\$1,032.00)(101.8%)
- 2) Increase quantity of 1" pipe shown on the Irrigation System Cost-Breakdown by 160 LF
 Item 10, Irrigation System: [PVC Schedule 40 Pipe, 1" (UV Stabilized) cost break-down line item]
 Increase 160 LF of 1" PVC Schedule 40 Pipe (+80%) @ 3.53/LF.....(+\$564.80)(183.8%)

The increases in quantities are the actual quantities required to install the system properly. The design was based off of an aerial photo and elevations were not considered in the quantities of pipe which had to be installed running up and down hills increasing the overall quantity. The 3/4" PVC increased the most due to it being used on all of the laterals.

For this work, the contractor shall be paid an additional \$1596.84. This sum constitutes full and complete compensation for providing all labor, materials, equipment, tools, and incidentals, including all markups for this change in accordance with the special provisions and Section 4-1.03B of the Standard Specifications.

Payment Adjustment At Agreed Lump Sum = \$1596.84

This change order does not affect the controlling activity. No time adjustment is warranted.

Contract Price Adjustment Decrease _____ or Increase \$1596.84

By reason of this order the time of completion will be adjusted as follows: No Adjustment

Submitted by: Jason RA Date: 7-21-14
 RESIDENT ENGINEER

Approval Recommended: [Signature] Date: 7-21-14
 CONSTRUCTION ENGINEER

Approved: [Signature] Date: 7/22/14
 DEPUTY DIRECTOR OF PUBLIC WORKS
 (contractor signature on page 2)

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 5

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
For the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, California

Contract No.: 300129.09.04

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

Accepted, Date: 7/21/14 Contractor: John Madonna Const. Co. Inc

By: Connie Walter Title: CEO

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 7

Sheet _____ of _____ Sheets

Project Name: Oak Woodland Habitat Mitigation
For the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, California

Contract No.: 300129.09.04

State No.:

Federal No.:

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractors bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by: Jason Rath, County of San Luis Obispo

Extra Work at Force Account:

As determined necessary by the Engineer, inspect and repair the irrigation system after damage from water well anomaly.

Estimate of Extra Work at Force Account = \$28,000.00

Based on a time impact analysis, this change affects the controlling activity by 0 days. No time adjustment granted.

Payment for the extra work required to be performed pursuant to the provisions in Section 4-1.03D, "Extra Work" and Section 9-1.03 "Force Account Payment," of the Standard Specifications.

Extra Work at Agreed Unit Price:

Deliver water at an agreed unit price of \$300 per 2000 gallon load to the project site while the existing well pump is repaired.

For this work, the contractor shall receive and accept \$300.00 per 2000 gallon load of water. This constitutes full and complete compensation for furnishing all labor, material, equipment, tools, and incidentals including all mark-ups by reason of this change.

Estimate of Extra Work at Agreed Unit Price = 38 Loads @ \$300/Load = \$11,400.00

The provisions of Section 4-1.03D, "Extra Work," of the 2006 Standard Specifications shall apply to the work of this change

Based on time impact analysis, this change order delays the controlling activity by 0 days. No time adjustment is granted.

Contract Price Adjustment

Decrease n/a or Increase **\$39,400.00**

By reason of this order the time of completion will be adjusted as follows: 0 Working Days

Submitted by: Jason Rath Date: 9-18-14
RESIDENT ENGINEER

Approval Recommended: James O'Hara Date: 9-18-14
CONSTRUCTION ENGINEER

Approved: David Flynn Date: 9/30/14
DEPUTY DIRECTOR OF PUBLIC WORKS

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

Accepted, Date: 9/22/2014 Contractor: John Madonna Const Co Inc

By: Annmarie Walter Title: CEO

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

County of San Luis Obispo
 PUBLIC WORKS DEPARTMENT
 CONTRACT CHANGE ORDER NO. 7

Sheet 1 of 2

SUPPLEMENTAL NO. 2

Project Name: Oak Woodland Habitat
 Mitigation for the Willow Road Extension
 And HWY 101 Interchange Project
 Nipomo, CA

Contract No.: 300129.09.04

State No.:

Federal Aid Project No.:

To: **John Madonna Construction, Inc.** Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the COUNTY ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by: RESIDENT ENGINEER

This Change Order Supplemental provides additional funds required for the Extra Work at Force Account and Extra Work at Agreed Price as described in Contract Change Order No. 7. The original cost estimate was not sufficient to cover all the materials and labor required to assess and repair the water well issue. Pump #2 required immediate replacement due to the well issues and Pump #1 has now failed. Extra Work will be paid in accordance with State Standard Specification Section 4-1.03D "Extra Work" and Section 9-1.03 "Force Account Payment," of the Standard Specifications as agreed on by the Contractor and Engineer.

Extra Work at Force Account:

<u>Description</u>	<u>Additional Cost</u>
Repair Pump #1	\$10,000.00
Subtotal Extra Work Increase = \$10,000.00	
Estimate of Extra Work at Force Account = \$10,000.00 Increase	

Extra Work at Agreed Price:

Water Load Delivery No Adjustment Required.

Net Cost Decrease \$ or Increase \$10,000.00

By reason of this order the time of completion will be adjusted as follows: **No Adjustment**

Submitted by: Jason Rath Date: 2-18-2015
 JASON RATH, RESIDENT ENGINEER

Approval Recommended: Dave O'Halloran Date: 2-19-15
 DAVE O'HALLORAN, CONSTRUCTION ENGINEER

Approved: Dave Flynn Date: 3/24/15
 DAVE FLYNN, DEPUTY DIRECTOR

(CCO Approval at Board of Supervision Agenda)

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, and perform all services necessary for the work above specified, and will accept as full consideration therefore, the price adjustment(s), if any, and time adjustment(s), if any, shown above.

Accepted, Date: N/A Contractor: N/A

By: N/A Title: N/A

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 7

Sheet 1 of 1 Sheets

SUPPLEMENTAL NO. 3

Project Name: Oak Woodland Habitat
Mitigation for the Willow Road Extension
And Highway 101 Interchange Project
Nipomo, CA

Contract No.: 300129.09.04

To: **John Madonna Construction, Inc.** Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work at contract price, agreed price and force account. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by: **RESIDENT ENGINEER**

This Change Order Supplemental provides additional funds required for the Extra Work at Force Account and Extra Work at Agreed Unit Price as described in Contract Change Order No. 7. We have received final recommendation from Wallace Group on how to proceed with getting the irrigation system back to fully functioning. The original cost estimate was not sufficient to cover all the materials and labor required to assess and repair the water well issue. Extra Work will be paid in accordance with the State Standard Specification Section 4-1.03D "Extra Work" and Section 9-1.03 "Force Account Payment," of the Standard Specifications as agreed on by the Contractor and Engineer.

Extra Work at Force Account:

<u>Description</u>	<u>Additional Cost</u>
Repair Irrigation System from Well Anomaly as recommended by Wallace Group	\$30,000.00

Extra Work at Agreed Unit Price:

<u>Description</u>	<u>Additional Cost</u>
Deliver Water at an agreed unit price of \$300 per 2000 Gallon Load until the well water can be treated. Estimate of Extra Work At Agreed Unit Price = 30 Loads @ \$300/Load = \$9,000.00	

Total Estimate of Net Cost for this Change Total: \$ 39,000.00

Net Cost Decrease **\$0** or Increase **\$ 39,000.00**

By reason of this change order the time of completion will be adjusted as follows:

Adjustment of Days this CCO: 0

Adjusted Contract Completion Date: February 23, 2017

Submitted by: Jason Rath Date: 5-26-2015
JASON RATH, RESIDENT ENGINEER

Approval Recommended: Dave O'Halloran Date: 5-26-15
DAVE O'HALLORAN, CONSTRUCTION ENGINEER

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full payment for the prices shown above.

Accepted, Date: N/A on Supplement Contractor: n/a

By: n/a Title: n/a

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.

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County of San Luis Obispo
PUBLIC WORKS DEPARTMENT
CONTRACT CHANGE ORDER NO. 8

Exhibit A

Sheet _____ of _____ Sheets

SUPPLEMENTAL NO.

Project Name: OAK WOODLAND HABITAT MITIGATION
FOR THE WILLOW ROAD EXTENSION
AND HWY 101 INTERCHANGE PROJECT
NIPOMO, CA

Contract No.: 300129.09.04

State No.:

Federal No.:

To: John Madonna Construction, Inc. Contractor

You are hereby directed to make the herein described changes from the plans and specifications or do the following described work not included in the plans and specifications on this contract.

Note: This change order is not effective until approved by the CONSTRUCTION ENGINEER

Description of work to be done, estimate of quantities, and prices to be paid. Segregate between additional work prices based upon Contractors bid, agreed price, force account, or other contract amount. Unless otherwise stated, rates for rental of equipment cover only such time as equipment is actually used and no allowance will be made for idle time.

Change requested by: Jason Rath, County of San Luis Obispo

Estimate of Extra Work at Force Account:

As determined necessary by the designer, perform the work as recommended in the attached memorandum from Wallace Group, dated 5-13-15.

Estimate of Extra Work at Force Account = \$40,000.00

Based on a time impact analysis, this change affects the controlling activity by 0 days. No time adjustment granted.

Payment for the extra work required to be performed pursuant to the provisions in Section 4-1.03D, "Extra Work" and Section 9-1.03 "Force Account Payment," of the Standard Specifications.

Extra Work at Agreed Unit Price:

Deliver water at an agreed unit price of \$375 per 2000 gallon load to the project site while the well & irrigation system is repaired.

For this work, the contractor shall receive and accept \$375.00 per 2000 gallon load of water. This constitutes full and complete compensation for furnishing all material, equipment, tools, and incidentals, including mark-ups by reason of this change.

Estimate of Extra Work at Agreed Unit Price = 32 Loads @ \$375.00/Load = \$12,000.00

The provisions of Section 4-1.03D, "Extra Work," of the 2006 Standard Specifications shall apply to the work of this change.

Based on time impact analysis, this change order delays the controlling activity by 0 days. No adjustment granted.

Contract Price Adjustment

Decrease \$ _____ or Increase **\$52,000.00**

By reason of this change order the time of completion will be adjusted as follows:

Adjustment of days this CCO: 0

Adjusted Contract Completion Date: n/a

Submitted by: Jason Rath
RESIDENT ENGINEER

Date: 6-24-2015

Approved: _____
CONSTRUCTION ENGINEER

Date: _____

We, the undersigned contractor, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above, and perform all services necessary for the work above specified, and will accept as full consideration therefor, the price adjustment(s), if any, and time adjustment(s), if any shown above.

Accepted, Date: 6/25/15

Contractor: John Madonna Const. Co. Inc

By: Ann W. Walter

Title: CFD

If the Contractor does not sign acceptance of this order, his attention is directed to the requirements of the specifications as to proceeding with the ordered work and filing a written protest within the time therein specified.



P.O. Box 5310 San Luis Obispo, CA. 93405 CA license Number 358030
**REQUEST FOR CHANGE ORDER #8 – ACID INJECTION SYSTEM EST TIME TO COMPLETE 8 WORKING DAYS
WORK REQUIRED PER WALLACE GROUP MEMO TO CORRECT PH**

Acid Injection System to be installed by Fluid Resource Management – Scope includes:

Supply and install an acid injection system with the following components;
Peristaltic pump sized for 21oz per 1,000 gallons produced; this is based off of a 25 GPM flow rate from the well; pour a 4'x4'x 4" concrete slab for the acid injection system; supply a single 50 gallon drum of sulfuric acid 95-98% concentration; provide a mounting pedestal for the chemical injection pump; supply and install a 2 drum hardcover kit for secondary containment/security with lockable hinged access around the acid injection system; provide conduits and conductors necessary to turn on the chemical pump when the well is running; provide piping from the chemical injection pump to the well discharge piping and install a lockable access cover around the injection point; Install a vaned static mixer upstream of the chemical discharge piping, and a sample port prior to the tank to allow testing of the PH; integrate the necessary chemical pump ancillary controls into the existing well motor control panel; provide start up and tuning of the system to correct the PH per the Wallace Group memorandum which recommends a final PH of 5.4-6.7

Supply and install an automated pump to waste system with the following components;
Two 316 stainless steel automated ball valves that will control the flow path for the well water; excavate and install two 5'x5'x2' deep infiltration basins with concrete flow dispersion around the basin inlet, line the exterior of the infiltration basin with straw waddle for erosion control; install manual valves to provide isolation/ flow equalization between the two infiltration basins; provide conduits and conductors from the well control panel to the new automated valves; provide piping from the automated valves to the infiltrator ponds including pipe supports as necessary; provide adjustable timer relays and ancillary electrical components required to automate the pump to waste system.

Shock chlorinate the existing well per AWWA specifications, this will be performed by a California Licensed Distribution Operator

Provide on-site system tuning to the existing Dakota Irrigation Pump Station

This is a design build project and includes the following assumptions: submittals on key components, well output is 25 GPM, the well feeds a tank and operates below 20 psi, startup is a single mobilization, native soil will allow percolation of the pump to drain water sufficiently per the design, construction water is available on-site, a 20a 120v duplex outlet is available on-site. FRM exclusions include - permits, permit fees, unforeseen acts of nature, costs of delays outside of FRM's scope, effectiveness of the acid injection system/ pump to waste system; FRM will make it work per the Wallace Group Memorandum.

Request includes management by JMC. Price does not include delivered water. Water to be billed out separately from proposal on a per load/need basis @ \$300 per load.

PRICE TO COMPLETE REQUESTED CHANGE \$30,487