

BIGHORN DESERT VIEW WATER AGENCY

ADDENDUM NO. 1

PUMP REPLACEMENT PROJECT

November 20, 2018

REVISION TO SPECIFICATIONS:

A. Specifications

1. Second paragraph at Page 2 of NOTICE INVITING BIDS is deleted in its entirety and replaced with the following:

“Successful bidder shall be licensed in accordance with requirements of Paragraph 10, LICENSING REQUIREMENTS, of Section A, INSTRUCTIONS TO BIDDERS.”
2. Add Page 13-1 to the BID SCHEDULE
3. Page 1505-4 is issued with this addendum, having been omitted from the specification document issued for bid.

ALL BIDDERS SHALL INDICATE RECEIPT OF THIS ADDENDUM BY SIGNING BELOW AND INCLUDE THIS SHEET WITH THEIR BID.

CONTRACTOR’S AUTHORIZED REPRESENTATIVE’S SIGNATURE HERE

DATE

BIDDING SCHEDULE
PUMP REPLACEMENT PROJECT

ITEM NO.	ESTIMATED QUANTITY	<u>BID SCHEDULE DESCRIPTION</u>	UNIT PRICE (IN FIGURES)	TOTAL (IN FIGURES)
12	1	Additional amount to furnish soft start, current-limiting capability for Well Nos. 8 and 9	\$ _____	\$ _____

TOTAL AMOUNT FOR BID SCHEDULE – ITEMS 1 - 12

(WORDS)

\$ _____
(FIGURES)

	Description	Well 6	Well 7	Well 8	Well 9
8.	Length of drop pipe from bottom of supporting flange to top of bowl assembly (feet)	190	190	320	240
9.	Minimum drop pipe diameter (inches)	3	3	5	5
10.	Motor size (hp)	30	30	75	75
11.	Maximum motor speed (rpm)	3450	3450	3450	3450
12.	Motor voltage (volts)	480	480	480	480

In addition, the head-capacity curve of the pump shall rise continuously to the left.

6.0 PUMP EFFICIENCY TESTS

6.1 General - Each pump shall be factory tested and field tested as specified. Costs for all testing shall be borne entirely by the Contractor. It is required that the pump manufacturer list the guaranteed efficiencies for his pumps at the specified design heads and submit curves showing the performance characteristics of the pumps. In the event of failure of any of the pumps to meet the guaranteed efficiencies or to operate to the Engineer's satisfaction, the Contractor shall make such modifications and repairs as are necessary to make the unit conform to specification requirements and shall receive no additional compensation therefor.

6.2 Factory Test - A factory laboratory running test shall be conducted at the manufacturer's plant for each pump in accordance with procedures specified in AWWA Standard E101-77. The minimum pump efficiencies specified Subsection 5.0 are the minimum laboratory efficiencies for a completely staged and assembled unit. Certified copies of the performance tests shall be furnished to the Engineer.

6.3 Field Test - Field tests for each pump shall be run to demonstrate that the pumping unit shall operate without excessive noise, vibration, and to measure and verify overall efficiency. The Contractor shall make all necessary changes to obtain a smooth running pump.

7.0 PUMP CONSTRUCTION

Impellers shall be of the enclosed type and constructed of stainless steel, Type 316, accurately fitted, smoothly finished and statically and dynamically balanced at normal pump speeds. Bowl case shall be constructed of close-grained cast iron per ASTM A48 and shall be lined with either a porcelain enamel or three coats of an epoxy resin to a total thickness of 25 mils, NSP 61 approved. Pump bearings shall be bronze and/or synthetic rubber type, easily removable. The bronze used in and bearings shall meet the requirements of ASTM Designation 145. Pump bearing length shall be at least 2 1/2 times the shaft diameter. The pump shaft shall be Type 416 stainless steel.

8.0 DISCHARGE COLUMN/DROP PIPE / DROP PIPE