



ADDENDUM NO. 1 TO THE BID DOCUMENTS FOR:

Wells 10, 15, & 25 Rehabilitation Project Capital Projects #23W07 & #23W08

Date of Addendum: March 15, 2023

Previous Addendums: None

To: **Prospective Bidders:**

This Addendum forms part of the “Contract Documents” and modifies or clarifies the original “Contract Documents” for this Project dated March 7, 2023. Prospective Bidders **shall** acknowledge receipt of the total number of Addenda issued for this Project on Page 4 of the Bid Document.

Item 1:

Clarify schedule of work: The work shall be completed before October 1, 2023. Due to a deep snow pack in Mammoth Lakes work is not likely to be possible until mid-June.

Item 2:

The cable specification for Well 17 was undersized and should be **350MCM** and not 250MCM. The following changes have been made to the bid documents (See bold red text below):

- Bid Tabulation No. 21 now reads: “Supply **350MCM** flat-jacketed submersible well cable”
- Page 12, Item G, No. 3 second bullet of Appendix A – Technical Specifications now reads: “Well 17 Power Cable Gauge – **350MCM**”

Item 3:

The quantity of column pipe should be 357’ due to the standard 21’ stick length (17 sticks @ 21’/stick). The following change has been made to the bid documents (See bold red text below):

- Bid Quantity for Bid Item No. 3 is now **357**

Continued on Page 2



Item 4:

Section 3.3.4 of Appendix A has been updated to clarify the portion of casing to be mechanically cleaned and has removed the requirement to bail the loosened material as this is an open hole well. The following changes have been made to Section 3.3.4 of the Bid Document (See bold red text below):

3.3.4. MECHANICAL CLEANING OF WELL 17

- A. Contractor shall inspect the most recent video of Well 17 and recommend a method of Mechanical Cleaning, if appropriate, based on well casing condition.
- B. Brushing - The **screened portion of the** casing shall be mechanically cleaned with an appropriate brush or other device capable of loosening or removing encrustations without damaging the well casing and screening.
- C. Minimum time spent cleaning shall be 20 minutes per 10 feet of **screened** well casing.
- ~~D. Loosened material shall be bailed or pumped from the casing before proceeding with further Work. Material removed from the well shall be retained on-site until disposed of in accordance with applicable Waste Discharge Permits. The materials shall be assumed to be non-hazardous.~~

End of Addendum 1

Attachments – Bid document pages with changes shown in **bold red text**.

Dated: 3/15/2023

Mammoth Community Water District

By: Jacob Trauscht

Jake Trauscht
Associate Engineer

1.3 BID SCHEDULE

Base Bid Schedule – Wells 10, 15, & 17 Rehabilitation Project

Item No.	Description	Units	Qty	Unit costs (\$)	Amount (\$)
1	Mobilization and site prep	LS	1		
2	Demobilization and site clean-up	LS	1		
3	Supply 6” Black Steel Column Pipe	LF	357		
Well 10					
4	Remove existing column pipe, sounding tubes, submersible well cable, pump, and motor	FT	320		
5	Video survey of well	LS	1		
6	Supply new submersible pump motor	LS	1		
7	Install/Re-install all well components including pump, motor, column pipe, check valves, sounding tubes, submersible well cable, etc.	EA	1		
Well 15					
8	Remove existing column pipe, sounding tubes, submersible well cable, pump and motor	FT	380		
9	Video survey of well	LS	1		
10	Supply new motor and pump (Include proposed motor and pump with pump curves with bid)	LS	1		
12	Supply 2 new ductile iron VFD rated check valves	EA	2		
13	Supply 2 new 1” PVC sounding tubes	FT	780		
14	Supply 2/0 flat-jacketed submersible well cable	FT	390		
15	Install/Re-install all well components including pump, motor, column pipe, check valves, sounding tubes, pump cable, etc.	FT	380		
Well 17					
16	Remove existing column pipe, sounding tubes, submersible well cable, pump and motor	FT	425		
17	Video survey of well	LS	1		
18	Supply new motor and pump (Include proposed motor and pump with pump curves with bid)	LS	1		
19	Supply 2 new ductile iron VFD rated check valves	EA	2		
20	Supply 2 new 1” PVC sounding tubes	FT	860		
21	Supply 350MCM flat-jacketed submersible well cable	FT	435		
22	Install all well components including pump, motor,	FT	425		

Item No.	Description	Units	Qty	Unit costs (\$)	Amount (\$)
	column pipe, check valves, sounding tubes, submersible well cable, etc.				
*Base Bid Total:					\$

Alternative Bid – Wells 10, 15, and 17 Rehabilitation Project

Item No.	Description	Units	Qty	Unit costs (\$)	Amount (\$)
1	Complete mechanical well rehabilitation of Well 17	LS	1		
2	Post mechanical rehab well video	LS	1		
Alternative Bid Total					\$

Grand Total (Base Bid + Alternative Bid): \$ _____

* Low bid will be determined based on the **BASE BID TOTAL**

[Include the following section if there are any addenda to the bid documents.]

Acknowledge Addenda

Addendum #: _____ Signed: _____

Addendum #: _____ Signed: _____

Addendum #: _____ Signed: _____

Addendum #: _____ Signed: _____

- D. The CONTRACTOR shall comply with the requirements of the Town of Mammoth Lakes Noise ordinance and shall supply any sound dampening devices or other systems needed to comply with the ordinance. Current ordinance is available at:

https://library.municode.com/ca/mammoth_lakes_/codes/code_of_ordinances?nodeId=TI8HESA_CH8.16NORE

3.3.2. MOBILIZATION

- A. Mobilize to the site and set up all equipment and materials needed to complete the Work, as required, in accordance with the current regulations and guidelines set forth by the Occupational Safety and Health Administration (OSHA).

3.3.3. VIDEO INSPECTION OF WELL

- A. The inside of the well casing shall be surveyed with a down-hole camera, from the top of the casing to the bottom, in the presence of the District.
- B. The CONTRACTOR shall inject potable water and a water clarifier if needed into the well for a period of 12 to 24 hours prior to the video survey to provide greater clarity during the video survey.
- C. Camera Requirements:
- (1) The camera used shall allow for both down-hole and side-view observation and focusing, and 360 degree rotation.
 - (2) The camera shall be equipped with a lighting system, and shall continuously transmit depth during the survey.
 - (3) Resolution: 525 TVL, minimum.
- D. The equipment used shall have a color monitor for viewing the camera log as it is conducted.
- E. The video log shall include continuous measurements from the surface at increments of 0.1 ft.
- F. All observations made shall be documented on the Groundwater Well Casing Inspection Report Form (**Attachment 2**). Additionally, the video recording system shall be capable of recording audio comments of the inspection concurrent with the video.
- G. The CONTRACTOR shall note the depths at which each screened section of the casing begin and end, in addition to all observations related to the condition of the casing. The camera operator shall stop vertical movement of the camera and focus in on each specific observation for an adequate amount of time to allow detailed visual evaluation.

3.3.4. MECHANICAL CLEANING OF WELL 17

- A. Contractor shall inspect the most recent video of Well 17 and recommend a method of Mechanical Cleaning, if appropriate, based on well casing condition.
- B. Brushing - The **screened portion of the** casing shall be mechanically cleaned with an appropriate brush or other device capable of loosening or removing encrustations without damaging the well casing and screening.
- C. Minimum time spent cleaning shall be 20 minutes per 10 feet of **screened** well casing.

- ~~D. Loosened material shall be bailed or pumped from the casing before proceeding with further Work. Material removed from the well shall be retained on-site until disposed of in accordance with applicable Waste Discharge Permits. The materials shall be assumed to be non-hazardous.~~

3.3.5. WELL DISINFECTION

- A. Following mechanical cleaning, disinfect the well in accordance with AWWA A100-06 and AWWA C654.
- B. The quantity of sodium hypochlorite added to the well shall be sufficient to produce a minimum of 100 parts per million (ppm) and a maximum of 500 parts ppm available chlorine when mixed with the total volume of water in the well. The total volume of water in the well shall be calculated to be twice the borehole volume. The sodium hypochlorite shall not be more than 2 weeks old.
- C. The method used to introduce the chlorine into the well shall ensure that chlorine solution reaches all portions of the well in which contamination may have occurred during rehabilitation.
- D. The Contractor shall prepare the disinfection by mixing a concentrated solution of sodium hypochlorite and water in suitable mixing tanks.

3.3.6. INSTALLATION TEST

- A. Performed by pump installer in the presence of ENGINEER or OWNER.
- B. Functional test complete assemblies for proper alignment, connection, and operation.
- C. Pump/Motor Installation Checklist – The CONTRACTOR shall complete a pump/motor installation checklist provided by the pump manufacturer, and submit a completed copy to the ENGINEER or OWNER immediately following the test of the new pump. If the manufacturer cannot provide such a checklist, the District may provide one.

+ + END OF SECTION + +