

Rosedale-Rio Bravo Water Storage District
McCaslin / Bowling Well Drilling & Equipping

Final Addendum #3

July 31st, 2023

Bid Date August 3rd, 2023 2:00 PM

849 Allen Road Bakersfield, CA

Q: Is PG&E providing all the overhead pole work?

A: Yes, contractor (see item description) contractor provides underground conduit to above ground at drop pole PG&E will bring wires from drop pole through the supplied conduit to the transformer and to the meter downstream.

Q: Is there a wire schedule?

A: Wiring to be designed and sized per code. No schedule will be provided, that is part of the contractor's requirement to provide as a submittal.

Q: Is there a Control Panel layout and a written sequence of operation?

A: The Control Panel is the VFD. VFD panel layout would need to come from the manufacturer.

Q: With regards to the 5 KVA 120/240 Transformer, is it going to be in the Switch Gear or a separate Mini Load Panel?

A: 5 KVA transformer is preferred to be installed in the Mini Load Panel, but may be installed in either the VFD panel or the Mini Load Panel.

Q: Light Standard Location?

A: Light standard is an option, per the pictures sent with the first Addendum, the lights are expected to be mounted on the shade cover. If a light standard is selected, it will be in proximity of the well pump and electrical panels.

Q: AIC Rating on One Line drawing?

A: To be provided by the Contractor. (600 amp PG&E service, the 350 Hp motor and VFD required for handling the maximum Hp load)

Q: Per the pre-bid it was stated that after drilling and zone testing MC-2, the well design will be determined. From that information MC-1 will be designed the same. Can the contractor purchase the well casing and gravel pack for MC-1 after the design is determined from MC-2?

A: The final design of each well will be determined after the samples and the e-logs are evaluated by the District - with the first McCaslin well (McCaslin 2) also having the zone testing criteria as an additional step before the District completes the final design on that well. The exact design (perforation/blank placement and quantities would not be known until this evaluation has taken place. The Casing Schedule for each well must be approved by the District to verify match with approved design. Any gravel and casing ordered before the final design would be "at risk" by the contractor.

Q: Per the pre-bid meeting it was stated that the Bowling well will be designed from knowledge of the location. Can the contractor purchase the well casing and gravel pack if the design is already determined?

A: See answers in the question above. Final design will only be known after the pilot bore, sample evaluation and e-log is evaluated by the District for each well. McCaslin will also need the zone testing information before that well is designed.

Q: Please provide clarification on the deviation specification: "The well shall be constructed in such vertical alignment that a line drawn from the center of the well casing at ground surface to the center of the well casing at the bottom of the alignment test interval shall not deviate from the vertical more than 6 inches in 100 feet of length and shall be no closer to the inside wall of the casing than 5 inches." We understand the 6"/100' (AWWA specs), but this is the first time we have seen specifications state "no closer to the inside wall of the casing than 5 inches". Please clarify.

A: The Contractor will be held to the AWWA specs on the 6"/100'. The other portion of the specification with regards to distance to the inside wall of the casing can be disregarded.

Q: Is the column pipe to be NSF Coated? (Since everything else, including discharge)

A: The Column pipe is not intended to be NSF coated.

Q: Is there a drawing for the optional light post?

A: Refer to detail C-33

Q: Engineers Estimate for the project?

A: There is no Engineers Estimate for the project. For the sake of bonding and any other reason for a estimated project cost. Approximately \$2 million - \$2.5 million.

Q: The specs call for a Elapsed Time Meter, an Electronic Time Switch, a Key operated H-O-A selector switch and an E-Stop. I assume those are to be mounted on the door but the drawings don't show anything on door?

A: There is no Elapsed Time Meter or Key operated H-O-A selector switch - only the E-Stop is to remain.

Q: They also specify a Mercoid High Pressure Kill Switch. Please confirm how those are mounted.

A: The Mercoid High Pressure Switch is mounted on the Pump Discharge and wired directly into the panel (so they are mounted outside).

Q: Also normally included is a schematic as to how those items are to be wired. This time they only include a one-line drawing showing the transformer and convenience CB's but no detail on Time switch or elapsed timer. We can figure those out but they also show the HP Kill Switch wired to the VFD but no detail. Is it supposed to just act as an E-stop?

A: No Time switch or elapsed timer. The HP Kill Switch should act the same as an emergency stop.