

**Calaveras County Water District
Copper Cove, California
Bidding Documents
Copper Cove Water System Improvements Project – C-Tank Booster Pump
Station Modifications and Transmission Main**

**ADDENDUM NO. 3
Issued March 3, 2025**

The Drawings and Project Manual including Specifications are modified as follows. Addendum No. 3 forms a part of the Contract Documents and modifies the original documents dated January 2025.

This Addendum consists of six (6) pages.

Bidder's Note: Bidder shall acknowledge receipt and examination of this addendum on the Bid form and attach a signed copy to the Bid, both as required by the Sealed Proposal.

Contract Documents – Specifications Changes:

- 1) Add to Section 01 10 00 1.01 Work Under Contract as follows:
“D. Order of Precedence

The different parts of the Contract documents are intended to provide explanation for each other. Any work shown on the Plans and not in the Specifications, or vice versa, is to be executed as if indicated in both. In case of conflict in the Contract, the following order of precedence will govern interpretation of the Contract:

- 1. Calaveras County Encroachment Permit**
- 2. Field Instructions or other written directives including change orders**
- 3. Project Plans**
- 4. Special Provisions and Project-specific Specifications (Technical Specifications)**
- 5. District Improvement Standards, Technical Specifications, and Standard Details (Most recent edition)**
- 6. District General Guidelines**

Any work for which there are no provisions in these Specifications, the Special or Technical Provisions, or on the Contract drawings, shall be performed in accordance with the provisions of the State Standard Specifications.”

- 2) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:
 "2.02 Performance and Design Requirements
 A. Performance Parameters:
 1. High Head Pump (variable speed):
 ...
 g. Discharge flange ~~20~~ **12** IN (350 psi flange)."
- 3) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:
 "2.04 Components
 A. General:
 1. Furnish units consisting of a vertical shaft turbine, direct connected to a vertical ~~hollow~~ **solid** shaft motor with a steady bushing. Design unit with non-reversing ratchets."
- 4) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:
 "2.04 Components
 B. Column:
 1. Construct ~~46~~ **10** IN discharge column pipe of 0.375 IN thick steel and supply with flanged connections."
- 5) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:
 "2.04 Components
 D. Pump Bowl and Suction Bell:
 ...
~~9. The bowl shaft shall be rifle bored to allow fresh water lubrication to the bearing surfaces."~~
- 6) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:
 "2.04 Components
 ...
 E. Enclosed Line Shaft:
 1. Construct line shafting from ASTM A582-416SS stainless steel, rolled and ground.
 2. Provide shaft with a minimum ~~1-11/16~~ IN diameter in sections having maximum length of 10 FT.
 3. Enclose line shaft in tube constructed of ~~2-1/2~~ IN diameter, 304 SS, Sch 80 Pipe in sections not to exceed 5 FT in length.
 4. Provide ASTM B505 bronze line shaft bearings at maximum 5 FT intervals.
 a. Furnish sealed tension bearing assembly to provide tension on shaft enclosing tube and to serve as line shaft bearing. Construct bearing portion of assembly from bronze and assure it is designed not to "freeze" to shaft enclosing tube.

~~5. Provide connection to external fresh water piping to provide proper lubrication of shaft bearings."~~

- 7) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:

"2.04 Components

G. Discharge Head Assemblies:

...

8. Furnish cartridge style mechanical seals ~~as per Section 11060~~, designed to handle potable water at system head and shut-off pressures specified herein."

- 8) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:

"2.04 Components

H. Suction Baffle:

1. Supply heavy duty 304 stainless steel suction baffle. ~~as detailed in Figure 1.~~

- 9) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:

"2.04 Components

F. Pump Shaft and Impeller:

1. Provide pump unit shaft constructed of rolled and ground ASTM A479-410 **416** HT stainless steel.

2. Furnish semi-enclosed type impellers constructed of ASTM 433 ~~HT alloy steel~~ **316 stainless steel** or approved equal and securely attached to impeller shaft."

- 10) Revise Section 11 00 72: Pumping Equipment: Vertical Turbine (Line Shaft), as follows:

"2.04 Components

J. Motors:

1. Vertical ~~hollow~~ **solid** shaft, high thrust squirrel cage, induction type, inverter rated."

- 11) Revise Section 32 31 13 Chain Link Fences and Gates, as follows:

"2.01 Components

A. Fence Height: 6 feet"

- 12) Revise Section 32 31 13 Chain Link Fences and Gates, as follows:

"3.03 Installation

...

~~V. Install operator in accordance with manufacturer's instructions and in accordance with NFPA 70."~~

Responses to Bidder Questions:

Question #1: Please provide the elevation of the existing barrels suction centerline. Hydraulic Institute requires the lip of the pump's suction bell to be located at least 2-barrel diameters below the suction centerline. Most OEM's will not guarantee pump performance or vibration if HI standards are not met. Has the engineer evaluated this?

Response #1: The exact invert of the suction line is not known; however, the detail included in plans and as-builts indicate suction bell elevation of 772.50.

Question #2: 2.02.A.g - Requires a 20" discharge diameter but drawing M02 shows this as 12". Please advise which is required.

Response #2: The discharge diameter should be 12 inches, the specifications have been revised as identified herein.

Question #3: 2.04.A.6 - Please confirm NSF61 certification is indeed required. If so, there are several special pump materials specified that are not available with a NSF61 certification. Floway's NSF61 certification allows them to only to offer materials of construction from a pre-defined list on record with UL. They cannot offer different materials without voiding their NSF61 certification. Therefore, in order to meet the NSF61 certification requirement, Floway will be required to quote the following material deviations:

- 2.04.F.1 - Shafting will be quoted as 416 stainless steel, not 410.
- 2.04.F.2 - Impeller material will be quoted as 316 stainless steel, not 433 HT alloy steel.

Response #3: "Per CCWD standards, all material coming in contact with potable water is to be ANSI/NSF 61 compliance". The specifications have been modified to reflect these material changes.

Question #4: 2.04.D.9 & 2.04.E. 3 - Please confirm the rifle bored bowl shaft is required. This is an uncommon and very expensive adder that requires clean water source piped to the pumps suction. We do not see the drawings showing any sort of detail on this clean water source. It will need to produce a pressure that exceeds the pump's shutoff value (approximately 250 psi). I assume there will need to be auxiliary pumps, piping, solenoid valves etc. that are part of this system. Please confirm.

Response #4: The rifle bored bowl shaft is not needed, please see revised specification section included herein.

Question #5: 2.04.G.8 - This paragraph references mechanical seals per section 11060. We do not see section 11060 included in the specs.

Response #5: References to 11060 have been removed.

Question #6: 2.04.G.9 - Requires a flanged adjustable spacer coupling which is the recommended configuration with this size motors and mechanical seals. However, the FASC's are only compatible with solid shaft motors, not hollow shaft. Floway plans on quoting solid shaft motors. 2.04.J.1 again references hollow shaft motors.

Response #6: A hollow shaft motor is not required. A solid shaft motor is acceptable. Please see revised specifications included herein.

Question #7: 2.04.H.1 - This paragraph requires a suction baffle detailed per figure 1. We do not see a figure 1 provided in the specs or drawings. Custom suction baffles/ vortex breakers can get very expensive. Please provide detail of what is required.

Response #7: A custom suction baffle is not required. The reference to figure 1 has been removed. Please see revised specification section included herein.

Question #8: Is this project subject to the BUY AMERICA or BUY AMERICAN material requirements for steel products?

Response #8: There are no BUY AMERICAN requirements.

Question #9: In the General Conditions it mentions Pollution Liability Insurance, but it is not listed in the Supplement Conditions. Will we as a fencing subcontractor be required to have Pollution Liability Insurance for this project?

Response #9: The fencing subcontractor will not be required to have Pollution Liability Insurance.

Question #10: There are no details of the new fence and no height of the fence is given. A detail of the new fencing would be helpful. What height is the new fencing, section 32 31 13 does not give that information. Please clarify the fence height.

Response #10: The fence height will be 6 feet. The specification section has been revised as identified herein.

Question #11: Which Bid Item covers the chain link fencing work? Please clarify.

Response #11: Bid item #12 includes the fencing work.

Question #12: We could not find an Order of Precedence for the plans and specs. Please provide the Order of Precedence.

Response #12: The order of precedence has been included in the specifications as identified herein.

Question #13: Will the fencing submittals be required to have an Engineer's Stamp and Calculations by an Engineer for acceptance?

Response #13: Yes, submittals will be required to have an Engineer's stamp and calculations by an engineer.

Question #14: We did not see a new or re-located gate on the plans. Under Installation 3.03 –“V” , it says to install operator in accordance with manufacturer's instructions. Please confirm that there is no gate with an operator on this project.

Response #14: The plans indicate to remove and salvage the existing gate. There is not currently an operator on the existing gate, and no operator must be installed. Please see revised specification sections included herein.

Question #15: Can AIC be considered as an approved project integrator?

Response #15: Yes, the District will consider AIC qualifications for project integration via the submittal process post bid.

(NOTE – Bidders are hereby advised that they also need to sign their acknowledgement of this Addendum on their Bid Schedule.)

-END OF ADDENDUM NO.3 -