

City of St. George
Little Valley Pressurized Irrigation Project
Inquiry No.24-146
Addendum #2
Plans, Specifications & Contract Documents

September 6, 2024

The following additional information and clarifications shall be incorporated into the contract documents, plans, and specifications for the City of St. George *Little Valley Pressurized Irrigation Project - Dated August 2024, Inquiry No. 24-146*. These modifications shall supersede any existing specifications, plans as detailed herein, or previous Addendum's. The contractor shall acknowledge on the bid which he submits that he is in receipt of this addendum.

Specification:

1.0 Section 501. (i) Motor

The section is modified as follows:

The motor for driving the pump shall be of the Premium Efficiency Inverter Duty Rated, full voltage starting, vertical **hollow** shaft, squirrel cage induction type, shall comply with ASA Specification C70, and shall be Premium Efficiency High Standard Thrust. The motor shall be equipped with winding heaters to reduce humidity around the motor windings. The motor shall be of the proper size to drive the pump continuously over the specified operating range without the load exceeding the nameplate rating of the motor. The motor shall have a service factor applicable to the enclosure specified.

2.0 Section 501. (h) Column Assembly

The section is modified as follows:

The column assembly shall be supplied with ASTM A53 Grade B steel pipe **flanged** or flanged bronze bearing retainer equipped with suitable rubber lineshaft bearings for the application. Column bearing spacing shall be such that shaft first critical frequency shall be safely above or below the operating resonant frequency.

2.1 (j) Seals

The section is modified as follows:

The discharge head shall be equipped with a stuffing box rated at 300 PSI , minimum. The packing box shall contain no less than 6 Graphite Fiberglass packing rings and 2 ASTM B584GDC83600 Lantern rings. Sealing between the stuffing box and the discharge head and the plate and shaft enclosing tube shall be accomplished by means of "O" rings.

End of Addendum #2